Horizon Europe Digital technologies brokerage event

October 30, 14.00-18.00 (EET), ATTA CENTRE (Krasta 60)

5G TECHRITORY

FOCUS ON TOPICS:

- Telco Edge Cloud deployments and 3C Networks
- Quantum Technologies and Quantum Computing
- Semiconductors
- Robotics
- AI and Generative AI
- Next Generation Computing Technologies
- Advanced Sensor Technologies
- Virtual Worlds
- High-Performance Computing

EVENT SESSIONS:

TO MAXIMIZE ENGAGEMENT & COLLABORATION OPPORTUNITIES

- Info session
- Pitching session
- Matchmaking session

Participation is free of charge | Register until OCT 29 or until all spots are filled | www.ncpwideranet.eu/travel-grants/ travel grants are available

MORE INFO & REGISTRATION: www.b2match.com/e/horizon-europe-digital-brokerage-event

Event is part of 5G Techritory Forum and is organized as a co-creation event by:

Latvian Council of Science

Estonian Research Council

Research Council of Lithuania

HORIZON EUROPE DIGITAL TECHNOLOGIES BROKERAGE EVENT

14:00-14:30	**Future Horizon Europe Cluster 4 Digital topics** Presenter: Deividas Petrulevičius
14:30-15:15	**Power Up Your Horizon Europe Project - building unstoppable consortia and crafting killer applications!** Presenter: Roger Horam
15:15-16:30	**Pitching session**
16:30-18:00	**Matchmaking session & coffee**

Latvian Council of Science

Estonian Research Council

RCL
Research Council of Lithuania

FUTURE HORIZON EUROPE CLUSTER 4 DIGITAL TOPICS

Deividas Petrulevičius
Research Council of Lithuania
Horizon Europe NCP (CL4)
deividas.petrulevicius@lmt.lt

HORIZON EUROPE

EURATOM

SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

Exclusive focus on defence research & development

- Research actions
- Development actions

SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT*

Exclusive focus on civil applications

Pillar I
EXCELLENT SCIENCE

- European Research Council
- Marie Skłodowska-Curie
- Research Infrastructures

Pillar II
GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre

Pillar III
INNOVATIVE EUROPE

- European Innovation Council
- European Innovation Ecosystems
- European Institute of Innovation & Technology*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

- Widening participation & spreading excellence
- Reforming & Enhancing the European R&I system

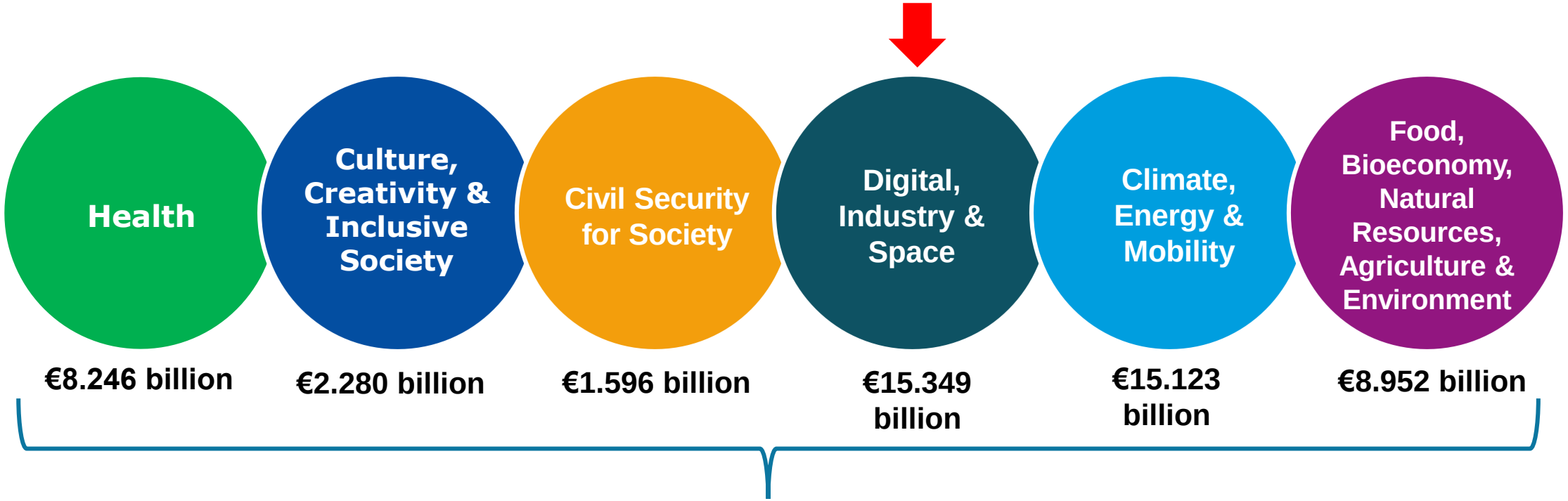
EURATOM

- Fusion
- Fission
- Joint Research Center

GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

II Pillar

Developing key technologies and solutions in line with EU policies and sustainable development goals (6 clusters, including Joint Research Centre)



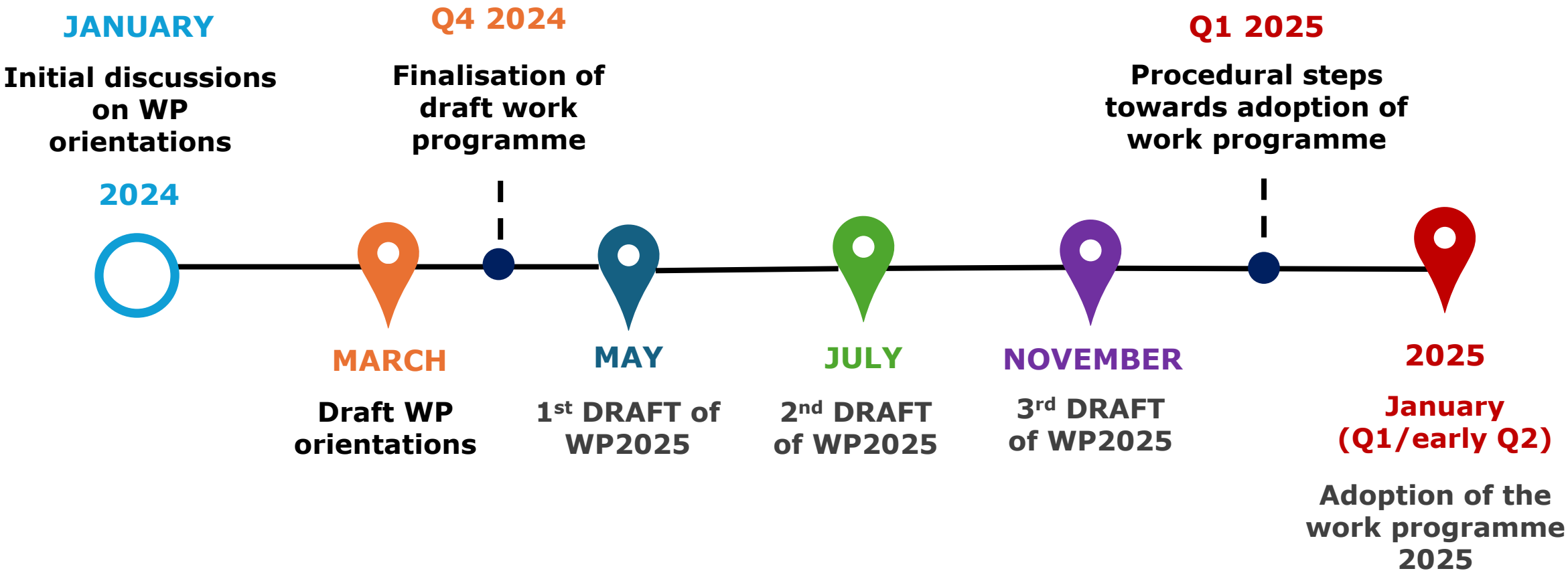
* €1.970 billion Joint Research Center (JRC)

CLUSTER 4: ADVANCING DIGITAL, INDUSTRY AND SPACE

- INDUSTRY: #climate neutrality #circularity #industrial and digital value chains #raw materials #chemicals #innovative materials
- DIGITAL: #data-services #trustworthy AI services #digital&emerging enabling technologies #human-centric approach
- SPACE: #global space-based infrastructure #services #applications #data

Information on Cluster 4

TOWARDS 2025 WORK PROGRAMME



POSSIBLE TOPIC AREAS

Twin transition

- Manufacturing
- Construction
- Energy –Intensive Industries (Decarbonization and Energy Efficiency)
- Circularity and Zero Pollution

Materials

- Raw materials
- Innovative Advanced Materials
- Safe and Sustainable by Design
- Textiles

Data

- Connected Collaborative Computing Networks (3C Networks)
- AI-GenAI, Data and Robotics

Digital & emerging

- Quantum and high-performance computing
- Dimensional material/Graphene
- AI, GenAI/Data/Robotics
- AI in Science

Space

- Accessing Space
- Acting in Space
- Using Space on Earth (Telecommunications)
- Earth Observation
- Satellite navigation
- Monitoring Space

Human centric

- Virtual Worlds
- AI, Data, and Robotics
- Standardisation and Knowledge Valorisation
- International cooperation

CLUSTER 4: DIGITAL TOPICS

DIGITAL: #data-services #trustworthy AI services #digital & emerging enabling technologies #human-centric approach

DATA & AI SERVICES

- Data Economy Transformation;
- Key Technology Support;
- Cloud-to-Edge/IoT Infrastructure;
- European Data Spaces and Immersive Technologies;
- Industrial Virtual Worlds;
- AI and Data-Driven Tools;
- Quantum and Next-Gen Communication Networks

CLUSTER 4: DIGITAL TOPICS

DIGITAL: #data-services #trustworthy AI services #digital & emerging enabling technologies #human-centric approach

DIGITAL & ENABLING TECHNOLOGIES

- Strategic Autonomy and Digital Transformation;
- Hardware and Component Supply;
- Microelectronics and Photonic;
- Agile Cloud/Edge/IoT Infrastructure;
- Immersive Virtual and Extended Realities (VR/XR);
- Artificial Intelligence and Robotics;
- Quantum and Emerging Technologies

CLUSTER 4: DIGITAL TOPICS

DIGITAL & INDUSTRY HUMAN-CENTRIC INNOVATION

- Virtual Worlds Development/WEB3;
- AI, Data, and Robotics;
- Standardization and Knowledge Valorization;
- Technology Infrastructure;
- International collaboration

DIGITAL: #data-services #trustworthy AI services #digital & emerging enabling technologies #human-centric innovation

"HORIZON EUROPE" PARTNERSHIPS

European Partnerships

- Unite the **European Commission** with **private and public partners**
- Address **collaborative research and innovation**
- **Horizon Europe main implementation tool**
- Strengthen EU priorities

Co-Programmed European Partnerships

- **Commission and private** (sometimes public) **partners**
- Specify the objectives
- **EUR 8 billion** budget
- Runs **from 2021-2030**

Co-funded European Partnerships

- **EU countries**, **with research funders** and other public authorities **at the core of the consortium**

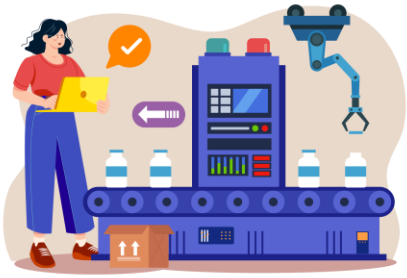
Institutionalized European Partnerships

- Research and innovation field
- The **Union**, **EU member states** and/or **industry**

ChipsJU: DRIVING ADVANCEMENTS IN SEMICONDUCTOR TECHNOLOGIES

- Established in **2023**
- **Tri-partite European partnership**
- **31** member countries

Uniting Innovation



Resources

Strategic Vision

Driving Force

- **Support** research and development **in semiconductor technologies**
- **Facilitate collaboration** between **public and private sectors**
- **Promote** the **standardization** and **adoption** of **new solutions**
- **Foster innovation** in critical digital infrastructure

3 Industrial associations

EPoSS. European Association on Smart Systems Integration

Aeneas Engage in the Digital Future

Inside Industry Association

SNS JU: EUROPEAN SMART NETWORKS AND SERVICES JOINT UNDERTAKING

5G

6G SNS

Public-private partnership

Technological Leadership and Excellence

- Enhance technological and scientific excellence

Strategic Alignment and Industry Collaboration

- Aligned strategies across ICT sectors
- Coordination with EU digital programs

Digital Infrastructure and Innovation

- Boost infrastructure
- Drive Innovations
- Support EU policies

2 MAIN MISSIONS

- **Fostering** Europe's **technology sovereignty in 6G**
- **Boosting** **5G deployment in Europe**

HORIZON EUROPE

2021-2027

EUR 1.8 billion budget

HPC JU: THE EUROPEAN HIGH PERFORMANCE COMPUTING JOINT UNDERTAKING

EuroHPC Joint Undertaking

- **Leading the Way in European Supercomputing**

- Established in **2018**
- Located in Luxembourg
- **Legal and funding entity**
- **35** member countries

Individuals

Solve complex chllenges

Business

Boost productivity

Science

Enhance digital transformation

EUR 7 billion budget

HORIZON EUROPE

2021-2027

3 Private partners

BDV BIG DATA VALUE ASSOCIATION

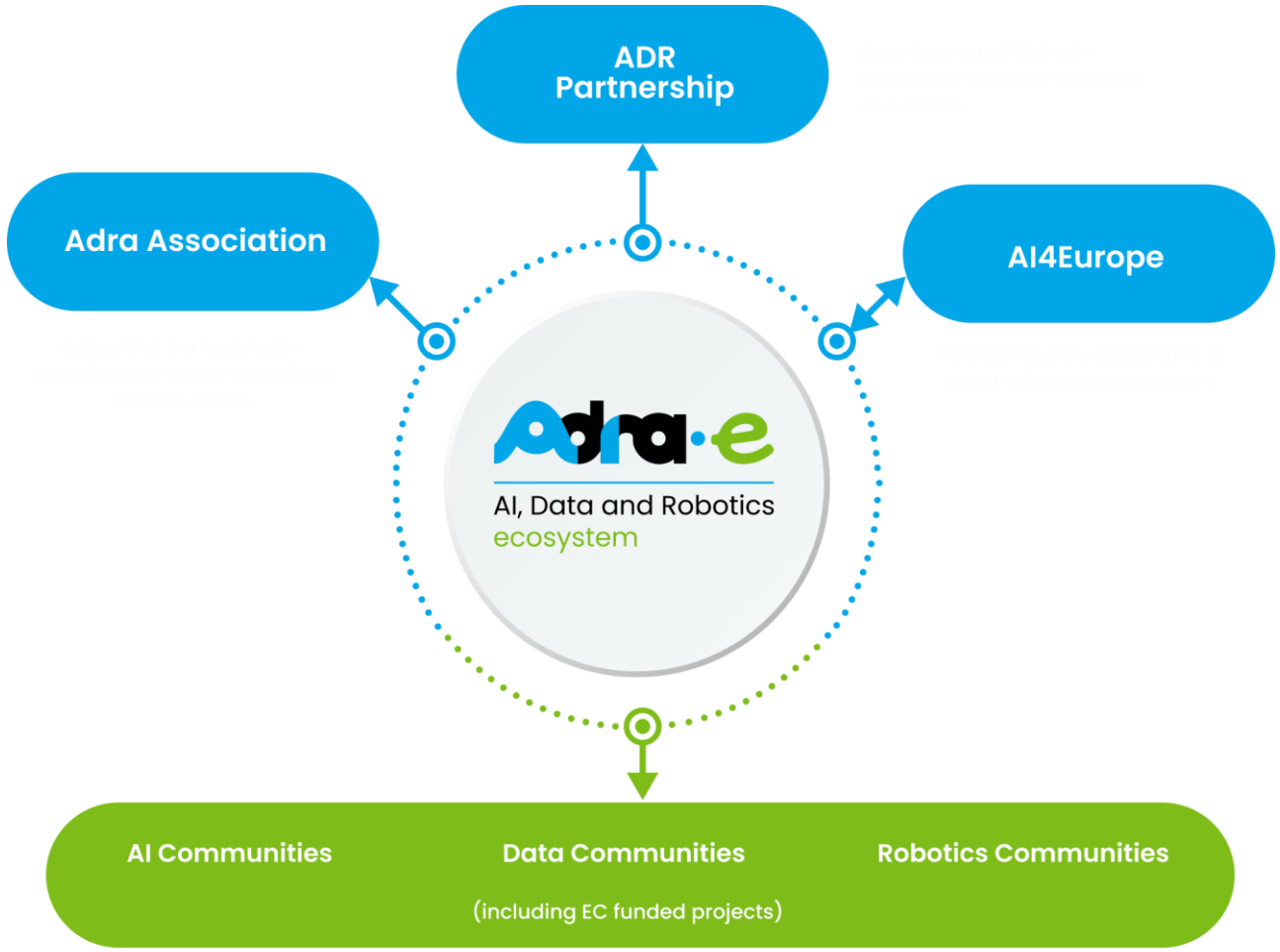
ETP 4 HPC EUROPEAN TECHNOLOGY PLATFORM FOR HIGH PERFORMANCE COMPUTING

QIC European Quantum Industry Consortium

ADRA: AI, DATA AND ROBOTICS ASSOCIATION

- Started on **July 1st 2022**
- **CSA action under Horizon Horizon Europe**
- **15** organizations

- **Support, update** and **implement** the AI, Data, and Robotics Strategic Agenda
- **Map** AI, Data, and Robotics **landscape and infrastructures**
- **Increase innovation capacity**
- **Support** the **development of standards and regulations**



NEW PARTNERSHIP

More information

VIRTUAL WORLDS:

- Co-programmed European Partnership.
- Starting year: 2025.
- The partnership will involve industry and sectoral entities, academia and end-users as well as policy makers and regulators.
- The Partnership will support:

- Research and innovation in Technology building blocks.
- Policies, human and ethical aspects.
- Applications – ecosystem.
- Open Standards.

STATISTICS

D3: World Leading Data and Computing Technologies

Call	Topic		Type of action	Proposals	Projects Funded	Scores	Success ratio, %
HORIZON-CL4-2023-DATA-01	**02**	Integration of data life cycle, architectures and standards for complex data cycles and/or human factors, language (AI, data and robotics partnership)	**RIA**	29	5	12.5 to 14.5	17.2
	07	Collaboration with NSF on fundamental research on new concepts for distributed computing and swarm intelligence	**CSA**	1	1	11	100.0
	04	Cognitive Computing Continuum: Intelligence and automation for more efficient data processing (AI, data and robotics partnership)	**RIA**	66	5	13.5 to 15.0	7.6
	06	Coordination and Support of Cognitive Computing Continuum research and policy	**CSA**	3	1	14	33.3

STATISTICS

D4: Digital and Emerging Technologies for Competitiveness and Fit for the Green Deal (1/2)

Call	Topic		Type of action	Proposals	Projects Funded	Scores	Success ratio, %
HORIZON-CL4-2023-DIGITAL-EMERGING-01	**01**	Novel paradigms and approaches, towards AI-driven autonomous robots (AI, data and robotics partnership)	**RIA**	51	4	13.5 to 14.0	7.8
	12	Adaptive multi-scale modelling and characterisation suites from lab to production	**RIA**	35	4	14.0 to 14.5	11.4
	51	Pervasive photonics - multi- technology integration for digital infrastructure, sensors and internet of things (Photonics partnership)	**RIA**	30	4	14.5 to 15.0	13.3
	53	Versatile light sources and systems as tools for manufacturing and medical application (Photonics Partnership)	**RIA**	23	4	14.5	17.4
	57	Advanced imaging and sensing technologies (IA)(Photonics Partnership)	**IA**	14	4	12.5 to 14.0	28.6

STATISTICS

D4: Digital and Emerging Technologies for Competitiveness and Fit for the Green Deal (2/2)

Call	Topic		Type of action	Proposals	Projects Funded	Scores	Success ratio, %
HORIZON-CL4-2023-DIGITAL-EMERGING-01-CNECT	**02**	Industrial leadership in AI, Data and Robotics – advanced human robot interaction (AI Data and Robotics Partnership)	**IA**	11	3	10.5 to 12.5	27.3
	11	Low TRL research in micro- electronics and integration technologies for industrial solutions	**RIA**	36	9	14.0 to 15.0	25.0
	32	Sustainable safe-by-design 2D materials technology	**RIA**	4	1	13.5	25.0
	33	2D materials of tomorrow	**RIA**	16	3	13.5 to 14.5	18.8
	40	Quantum Photonic Integrated Circuit technologies	**RIA**	9	3	15	33.3
	41	Investing in alternative quantum computation and simulation platform technologies	**RIA**	4	2	14.0 to 14.5	50.0
	50	Next generation quantum sensing and metrology technologies	**RIA**	10	3	15	30.0
	56	Photonic Strategies and Skills Development (Photonics Partnership)	**CSA**	4	2	12.0 to 13.5	50.0

STATISTICS

D6: A human-centred and ethical development and industrial technologies (1/4)

Calls	Topic		Type of action	Proposals	Projects Funded	Scores	Success ratio, %
HORIZON-CL4-2023-HUMAN-01	**31**	Toolbox for efficient IP licensing for market uptake and societal value creation	**CSA**	5	1	12.5	20.0
	32	Piloting communities of expert facilitators to improve industry- academia-public sector co-creation	**CSA**	6	1	13.5	16.7
	33	Fostering knowledge valorisation through societal and cultural interactions	**CSA**	4	2	10.0 to 12.0	50.0
	51	Pilots for an innovative human-centric industry	**RIA**	7	1	12.0	14.3
	52	Drivers and success factors for progress towards Industry 5.0	**RIA**	5	1	15.0	20.0
	53	Localised and Urban Manufacturing, supporting creativity and the New European Bauhaus	**RIA**	8	4	13.0 to 14.5	50.0

STATISTICS

D6: A human-centred and ethical development and industrial technologies (2/4)

Calls	Topic		Type of action	Proposals	Projects Funded	Scores	Success ratio, %
HORIZON-CL4-2023-HUMAN-01	**54**	Green and digital skills and training needs for a just transition	**CSA**	9	3	10.0 to 12.5	33.3
	62	Boosting industrial symbiosis by standardization	**CSA**	2	1	11.5	50.0
	63	Provide for a strong and sustainable pool of experts for European Standardization: attract the students of university/HEI	**CSA**	3	1	13.0	33.3
	64	Pre-normative research and standardization in industrial ecosystems	**CSA**	3	2	10.5 to 11.5	66.7
	91	International Hub for Digital Partnerships in the Indo-Pacific	**CSA**	5	1	14.5	20.0
	92	R&I cooperation with Sub-Saharan Africa	**CSA**	7	1	10.5	14.3
	93	R&I cooperation with Latin America (Mexico, Brazil, Argentina, and other countries in the BELLA network or members of RedClara)	**CSA**	6	1	15.0	16.7

STATISTICS

D6: A human-centred and ethical development and industrial technologies (3/4)

Calls	Topic		Type of action	Proposals	Projects Funded	Scores	Success ratio, %
HORIZON-CL4-2023-HUMAN-01-CNECT	**01**	Efficient trustworthy AI - making the best of data (AI, Data and Robotics Partnership)	**RIA**	48	4	14.5 to 15.0	8.3
	02	Large Scale pilots on trustworthy AI data and robotics addressing key societal challenges (AI Data and Robotics Partnership)	**IA**	7	3	10.5 to 13.5	42.9
	03	Natural Language Understanding and Interaction in Advanced Language Technologies (AI Data and Robotics Partnership)	**RIA**	25	3	13.5 to 14.5	12.0
	04	Open innovation: Addressing Grand challenges in AI (AI Data and Robotics Partnership)	**CSA**	5	1	13.5	20.0
	05	Through AI from Disinformation to Trust	**IA**	9	2	11.0 to 14.0	22.2
	11	Next Generation Internet Fund	**RIA**	3	1	14.5	33.3
	12	Pilots for the Next Generation Internet	**IA**	4	4	10.0 to 13.0	100.0

STATISTICS

D6: A human-centred and ethical development and industrial technologies (4/4)

Calls	Topic		Type of action	Proposals	Projects Funded	Scores	Success ratio, %
HORIZON-CL4-2023-HUMAN-01-CNECT	**13**	Next Generation Internet International Collaboration - USA	**RIA**	2	1	13	50.0
	14	Next Generation Internet Commons Policy	**CSA**	1	1	11.5	100.0
	21	Next Generation eXtended Reality	**RIA**	55	4	14.0 to 15.0	7.3
	22	eXtended Reality for Industry 5.0	**IA**	17	3	12.5 to 14.0	17.6
	23	Supporting the emergence of an open human- centric Metaverse	**CSA**	7	1	14.5	14.3
	65	Support facility for digital standardisation and international cooperation in digital partnerships	**CSA**	2	1	11	50.0
	66	Promoting EU standards globally	**CSA**	1	1	12	100.0
	82	Art-driven digital innovation: Towards human compatible and ecologically conscious technology	**CSA**	1	1	13.5	100.0

IDEAL-IST PROJECT

IDEAL-IST

GA No 101070043

International Digital NCP network

COMPREHENSIVE SUPPORT FOR PROPOSERS

- Enhance project submissions
- Boost execution effectiveness

Over 65 global partners

- National services → boost efficiency with IDEAL-IST tools.
- Guided tools for Horizon Europe and organizing brokerage events.

https://ideal-ist.eu/

IDEAL-IST

IDEAL-IST SERVICES

HELPING WITH:

- Interpreting Horizon Europe Cluster 4 Digital Work Programme
- **Submitting project ideas** aligned with Horizon Europe topics
- **Building consortia**

- SMEs
- Large enterprises
- Academia
- Research organisations
- Non-profit organisations
- Public administrations
- Consultancies

IDEAL-IST

ONLINE TRAININGS, SEMINARS & WEBINARS

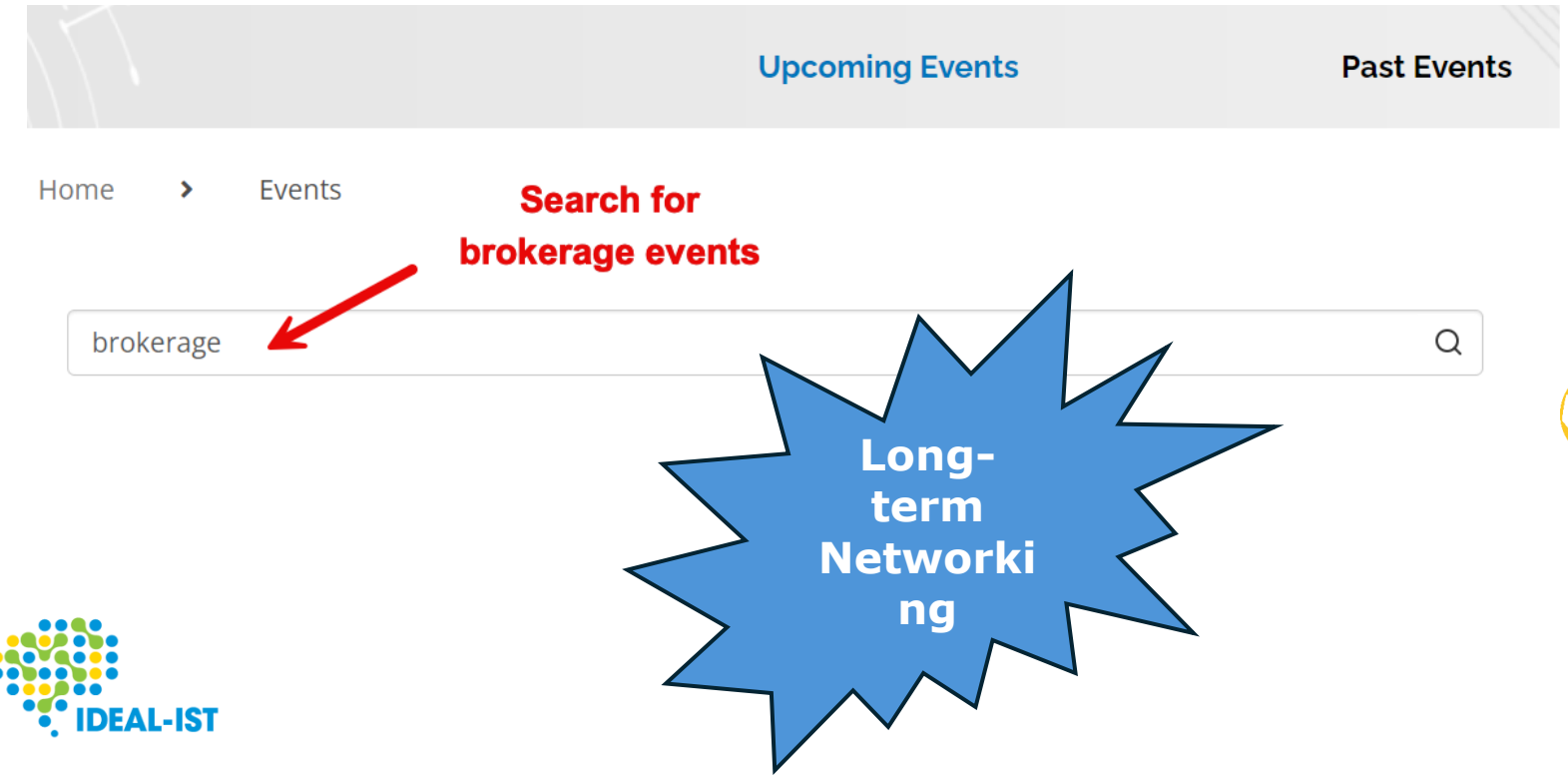
- Partnerships in Horizon Europe
- Opportunities for SMEs (Transition, Accelerator, DIH, Cascading grants …)
- Digital Across Horizon and beyond
- What is a brokerage event?
- Coping with open access / open data
- Project coordinator tips (series of small films covering different subjects)
- Evaluator tips

IDEAL-IST

BROKERAGE EVENTS

Find your event

https://ideal-ist.eu/events



- Register
- Create a profile
- Share cooperation offers
  - Project ideas
  - Expertise
  - Requests
- Find contacts & partners

IDEAL-IST

TOOLBOX FOR PROPOSERS

https://www.ideal-ist.eu/toolbox/

- A collection of useful information material;
- Support in all phases of the application process.

FOLLOW 3 SIMPLE STEPS

Determine application phase → **Choose the topic of interest** → **Select the relevant material**

Contact NCP:

https://www.ideal-ist.eu/representatives

IDEAL-IST

FULL-PROPOSAL CHECK

In-depth feedback on advanced proposal drafts.

1 MONTH BEFORE DEADLINE

- Experienced Horizon Europe evaluators
- National Contact Points (NCPs)

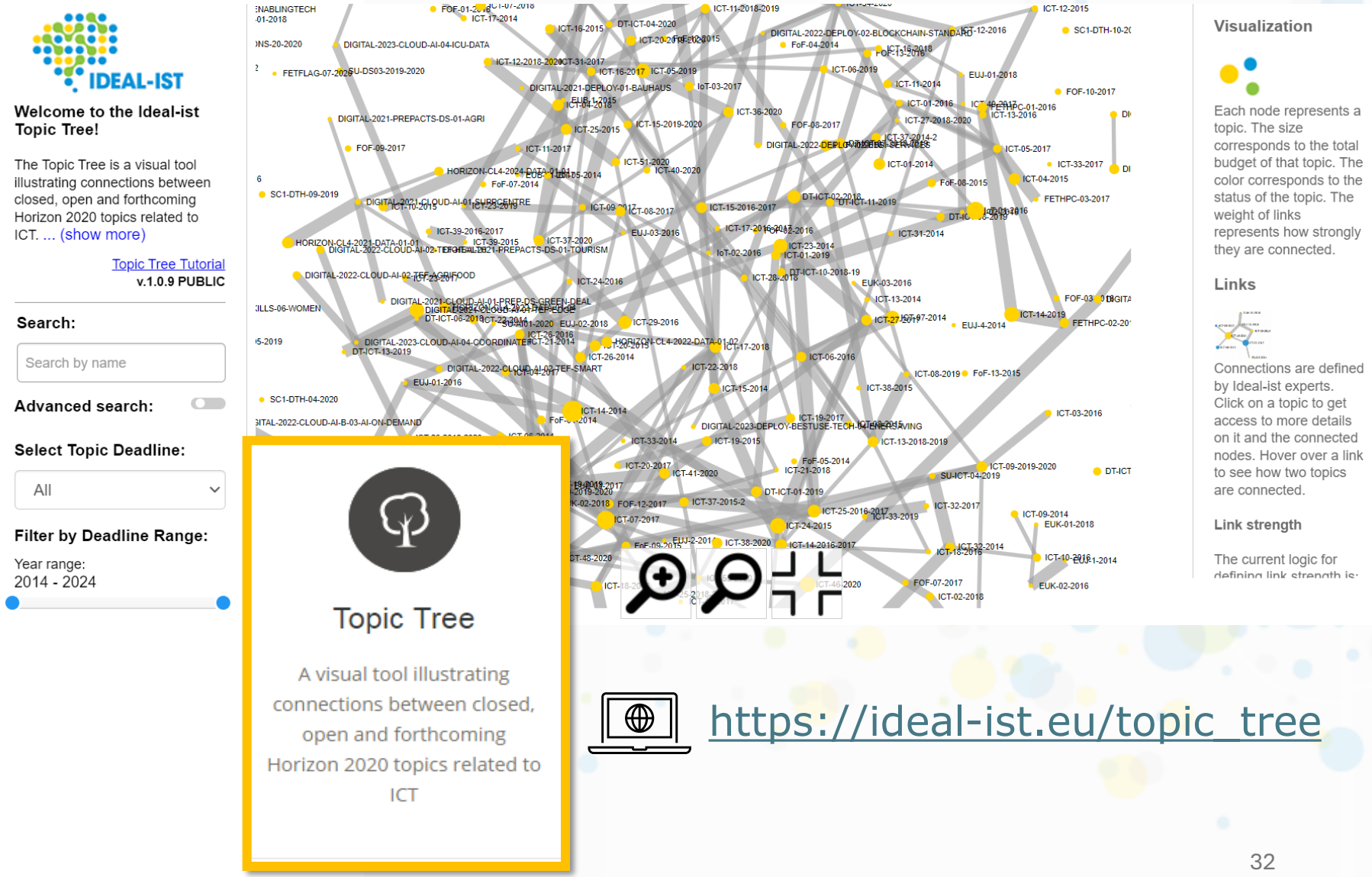
FREE **of charge for the proposers**

https://ideal-ist.eu/

IDEAL-IST

IDEAL-IST TOPIC TREE (UNDER DEVELOPMENT)

- How are call topics linked?
- How have these areas evolved over the years?
- What is the new focus this year?



https://ideal-ist.eu/topic_tree

DIGITAL, INDUSTRY & SPACE

FIND YOUR HORIZON EUROPE NCP

[National Contact Points for Horizon Europe]

HORIZON EUROPE DIGITAL TECHNOLOGIES BROKERAGE EVENT

FIND US DURING THE NETWORKING SESSION!

CLUSTER4
DIGITAL · INDUSTRY · SPACE




Latvian Council of Science

Estonian Research Council

RCL
Research Council of Lithuania

CORMACK CONSULTANCY GROUP

Internationalising Higher Education

5G TECHRITORY

Power Up Your Horizon Europe Project - building unstoppable consortia and crafting killer applications!

Roger Horam

CORMACK CONSULTANCY GROUP
Internationalising Higher Education

Building winning partnerships and mastering the art of EU funding success

CLUB ORIZONT

Content:

- Introduction
- Building the Dream Team – Crack the code to building powerhouse partnerships!
- Writing the Killer Application – Crafting a standout proposal
- Mastering evaluation criteria – What the reviewers want
- Networking and partnership tools
- Q&A and wrap-up

5G TECHRITORY

Question

How many of you have applied for European funding before (e.g., Horizon Europe, Digital Europe, Erasmus+ or other EU programmes)?

- Yes
- No
- In process of
- Someone has done it for me

Question

How familiar are you with the different types of European funding opportunities available, such as Horizon Europe, Erasmus+, and others?

- No knowledge
- Know about but limited understanding
- Have a reasonable knowledge
- Would consider myself an expert

Building the dream team

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CLUB ORIZONT

Introduction to Horizon Europe

- Types of Calls
- Importance of Consortia

Why Strong Partnerships Matter

- Strategic Alignment
- Diverse Expertise
- Geographic Spread

Identifying and Selecting Partners

- Use of Networking Tools
- Leverage Existing Networks
- Industry-Academia Collaborations

Building a Balanced Consortium

- Core Partners vs. Supporting Partners
- Role of Each Partner
- Balanced Consortium

Success Stories & Case Studies

- Examples of Successful Consortia
- Lessons Learned

5G TECHRITORY

Building the Dream Team – forming the right consortium

1 Define the Project's Core Objectives

- Start with a Clear Vision
- Identify Gaps

2 Essential Elements of a "Dream Team" Consortium

To build a winning consortium, aim for diversity in skills, experience, and geographical location.

- Diversity in Expertise
  - Research organisations and universities for R&D and theoretical knowledge.
  - SMEs and startups for innovation and agility.
  - Large corporations for scale and market access.
  - NGOs and public sector partners for societal impact and policy relevance.
  - Technology providers for practical implementation.
- Geographic Distribution
- Sectoral Mix
- Track Record

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3 Selecting the Right Roles

In your consortium, each partner should bring something unique to the table and should have a clearly defined role.

- Coordinator
- Work Package (WP) Leaders. For example:
  - Technical Leader
  - Dissemination Leader
  - Policy Expert/partner with expertise in EU policy or regulatory affairs.
  - SMEs for real-world application and scaling.
- Advisory Partners. This could be an industry body or policy think tank that lends credibility and strategic insight.

4 Where to Find the Right Partners

Building the dream team starts with finding the right partners.

- Use Horizon Europe Networks and Platforms:
  - Horizon Europe Participant Portal. Use the built-in partner search tool.
  - CORDIS. This database can help you find partners that have previously participated in EU projects.
  - Leverage National Contact Points (NCPs). NCPs often organise networking events and can help matchmake organisations with complementary expertise.
- Tap into Existing Networks
- Industry Events and Conferences
- LinkedIn & ResearchGate

5G TECHRITORY

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5 Collaboration and Relationship Building

Once you've identified potential partners, the next step is to ensure they are a good fit and will work well within the consortium. Here's how:

- Common Goals and Shared Values
- Complementary Strengths. Avoid overlap where possible.
- Effective Communication - clear communication channels and leadership
- Cultural Fit

6 Legal and Administrative Considerations

- Consortium Agreement
- Budget Distribution
- Risk Management

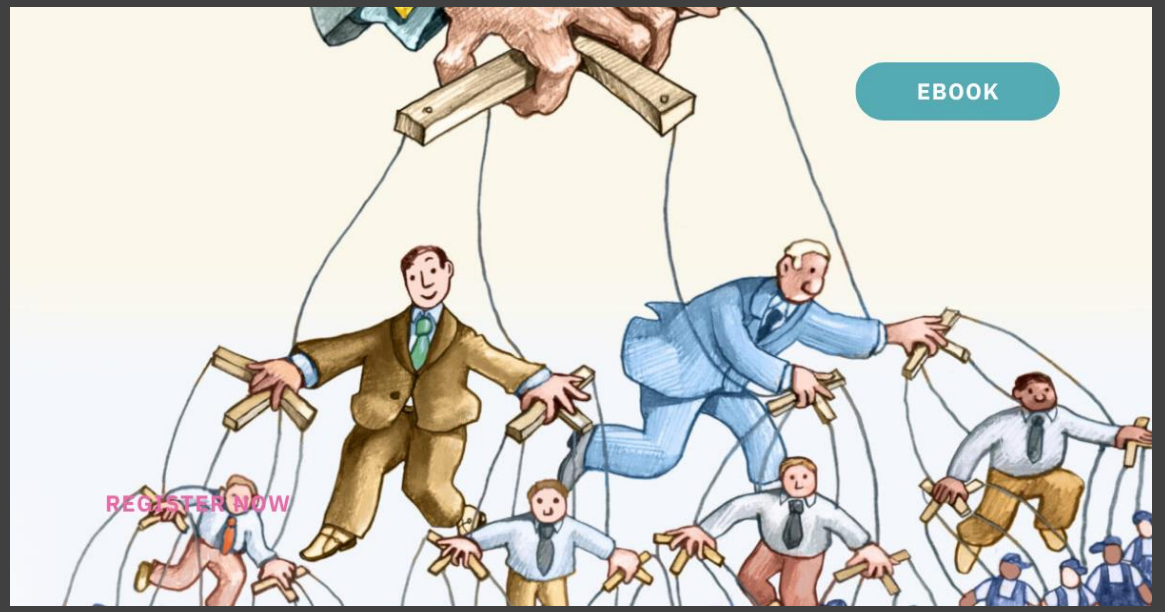
7 Success Stories & Examples

8 Cormack Consultancy Group's Expertise

- Insights into our experience in successfully forming consortia for past European funding projects.
- Challenges and common pitfalls to avoid during consortium formation.
- Hands-on advice on partner search strategies and consortium management, possibly from our networks.

5G TECHRITORY

Tools and Strategies



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Internationalising Higher Education

Building winning partnerships and mastering the art of EU funding success

CLUB ORIZONT

Key networking and partnership tools to help you find and manage partners for Horizon Europe projects. These tools and platforms are essential for building strong, well-connected consortia, and staying updated on collaboration opportunities:

1 Horizon Europe Participant Portal (Funding & Tenders Portal)

- This is the go-to platform for all things related to Horizon Europe funding calls.
- Partner Search Tool
- Calls for Proposals
- Organisations from across Europe (and beyond) use this platform.

2 CORDIS (Community Research and Development Information Service)

- European Commission's primary public repository and portal to disseminate information on all EU-funded research projects.
- Project Database: Allows you to explore past and ongoing EU-funded projects
- Partner Profiles: Search for organisations or researchers based on expertise or past project involvement.
- By studying past projects, you can find experienced and reliable partners with a successful track record in your field of interest.

5G TECHRITORY

Building winning partnerships and mastering the art of EU funding success

3 Enterprise Europe Network (EEN)

- The world's largest support network for small and medium-sized enterprises (SMEs), but it's also open to universities and research institutions.
- Partnering Opportunities: EEN offers a partnering database
- Brokerage Events. EEN hosts numerous matchmaking events, both physical and virtual
- EEN is particularly useful for finding SMEs and industry players across Europe and internationally.

4 National Contact Points (NCPs)

- NCPs are expert organisations in each EU country (and beyond) that provide free guidance and support to Horizon Europe applicants.
- Many NCPs have partner search databases or can help you network with other NCPs across Europe to find potential partners.
- NCPs frequently organise training sessions, information days, and matchmaking events to connect researchers, companies, and institutions
- NCPs have deep knowledge of the local landscape and are well-connected across sectors and countries. They often have access to unofficial networks and contacts.

Building winning partnerships and mastering the art of EU funding success

5 LinkedIn

- LinkedIn is an often-overlooked but highly valuable tool for finding partners for Horizon Europe projects, particularly in niche fields or across industries.
- Numerous LinkedIn groups dedicated to Horizon Europe, specific sectors (e.g., renewable energy, healthcare innovation), and even geographical regions (e.g., Horizon Europe Nordic).
- By using keywords related to your project, you can find researchers, organisations, and companies that have the expertise you need.
- LinkedIn enables you to connect directly with professionals and organisations across the world, facilitating easy communication and partnerships.

6 ResearchGate

- ResearchGate is a social networking site for scientists and researchers. It's particularly useful for academia, but also for finding industry professionals with research and innovation expertise.
- Researchers can post their project ideas or search for collaborations. It's also a platform for discussing funding opportunities.
- You can search for researchers with expertise in specific areas, making it easier to find academic partners with the right knowledge and experience.
- ResearchGate is useful for identifying academic and research-focused partners, especially for Horizon Europe projects with a strong R&D component.

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7 European Clusters Collaboration Platform (ECCP)

- ECCP is an EU initiative that helps clusters (geographical concentrations of companies and institutions in the same industry) collaborate across Europe and internationally.
- Provides a database of European clusters from various sectors (e.g., health, energy, ICT), which can be excellent partners for Horizon Europe projects.
- The ECCP frequently organises matchmaking events for clusters looking to join or lead Horizon Europe consortia.
- Clusters offer access to a concentrated network of industry players and researchers, providing immediate access to expertise and resources in specific sectors.

8 Ideal-ist

- Ideal-ist is an international ICT-focused network that supports organizations involved in digital and information technologies.
- Ideal-ist provides a partner search service for Horizon Europe calls, particularly in the ICT sector.
- In addition to finding partners, Ideal-ist helps in aligning project proposals with Horizon Europe requirements.
- If your project involves digital technologies or ICT, Ideal-ist is a tailored platform that can help you find specialized partners in these fields.

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9 EU Innovation Radar

- Innovation Radar is a platform that identifies high-potential innovations and key innovators in EU-funded projects, including those from Horizon Europe.
- Innovation Radar provides profiles of organisations and innovations that have emerged from past and ongoing projects, making it easier to identify high-potential partners.
- Innovators can showcase their technologies and seek collaborations for further development.
- Innovation Radar helps you identify cutting-edge technologies and partners who are leaders in innovation within the EU.

10 Thematic Networks and Associations

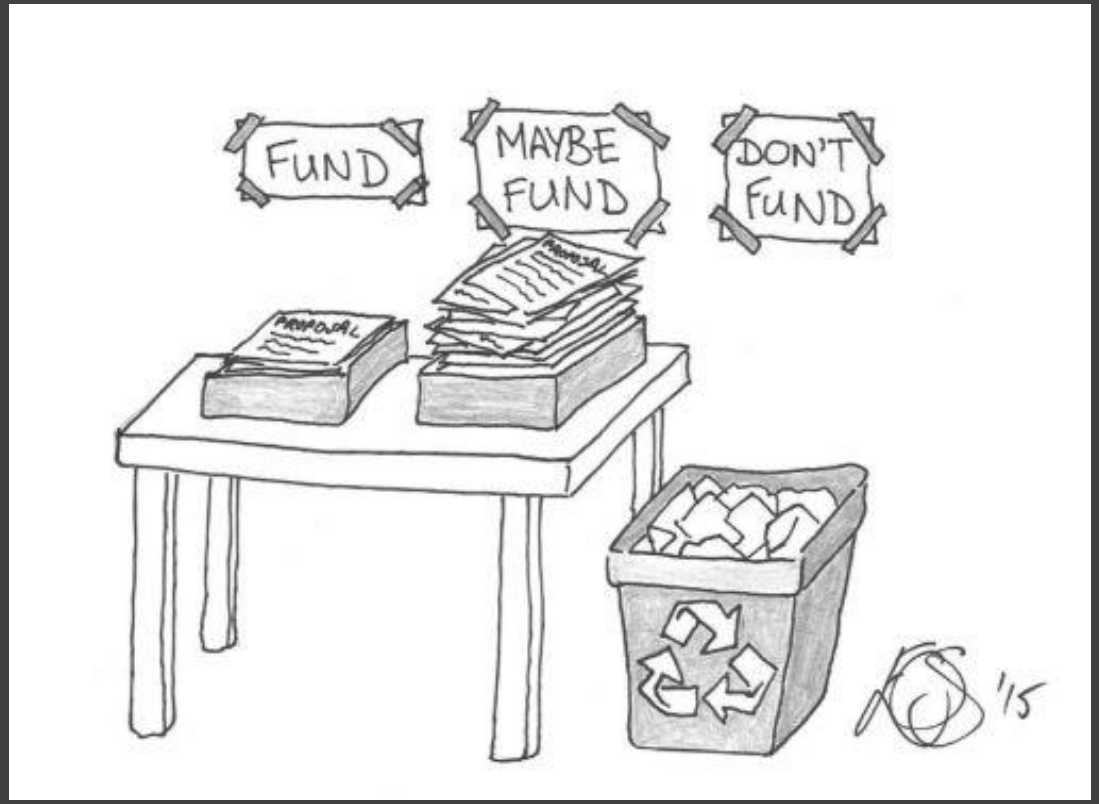
There are many sector-specific networks that support Horizon Europe participation:

- ERRIN (European Regions Research and Innovation Network): A network of European regions that collaborate on R&I, focusing on regional development and innovation projects.
- EUREKA Network: Helps businesses, research centers, and universities collaborate on R&D projects across borders, particularly in industry-driven innovation projects.

Tips for Using These Tools Effectively

- **Be proactive**. Use these tools regularly, even outside of calls for proposals, to stay connected with the latest developments and potential collaborators.
- **Participate in events**. Many platforms (EEN, ECCP, and NCPs) organise matchmaking events and Info Days where you can meet partners face-to-face or online.
- **Prepare your profile.** On platforms like the Participant Portal or CORDIS, create a strong profile for your organisation, highlighting your expertise and previous experience in EU-funded projects.

Writing the killer application



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1. Understand the call and align your proposal

- Read the call for proposals thoroughly
- Relevance is key

2. Create a compelling concept

- Problem definition and solution: Start with a strong problem statement and offer a novel solution that demonstrates added value for Europe
- Innovative and ambitious vision…. goes beyond the state of the art……
- Impact and long-term benefits: in terms of economic, environmental, or societal impact

5G TECHRITORY

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3. Consortium building

- Strong and diverse partners / balanced consortium
- International collaboration / transnational from various European countries and sectors (academia, industry, government, etc.).
- Clear roles and responsibilities.

4. Excellence in science and innovation

- Scientific soundness/ based on solid research or innovation foundations. Provide data, literature, and prior research to support your claims.
- Clear objectives (SMART) - ambitious but realistic.
- Present a clear, well-structured methodology. Address potential risks and contingency plans.

5G TECHRITORY

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5. Impact

- Make the potential impact of your project quantifiable wherever possible. Use indicators and specific metrics to assess success.
- Path to impact. A clear dissemination, exploitation, and communication plan that outlines how you will maximise the impact of your project. Who will benefit from your findings? How will you reach them?
- Consider the long-term sustainability of the project outcomes. How can they be scaled or replicated after the funding period?

6. Implementation

- Realistic and well-defined work plan. Ensure the timeline is feasible.
- Budget justification. Each cost item should be justifiable and proportional to the tasks.
- Risk Management. Horizon Europe evaluators appreciate detailed risk assessments.

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7. Clarity and conciseness

- Avoid jargon / write clearly and concisely.
- Visual Aids. Use figures, tables, and charts to explain complex ideas, timelines, or data.

8. Adhere to the Formalities

- Follow the guidelines regarding length, formatting, and submission procedures. Even a small oversight here can disqualify a proposal.
- Ensure the application is submitted well before the deadline to avoid technical problems and allow for revisions.

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9. Engage the Evaluators

- Structure your proposal around the three core evaluation criteria of Horizon Europe: Excellence, Impact, and Quality and Efficiency of Implementation.
- Make it reader-friendly. Evaluators review many proposals. Ensure your narrative flows logically, is engaging, and answers the key questions.
- Sell your idea. Your enthusiasm and belief in the project should be evident in the proposal. Passion can help convince evaluators of the project's worthiness.

10. Seek Feedback and Review

- Have colleagues or experts review your proposal before submission to ensure clarity and strength. Incorporating feedback is vital to refining your application.

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Key sections are structured around Excellence, Impact, and Implementation

Excellence Demonstrates the quality and novelty of your project. It focuses on the research and innovation aspects, making a strong case for why the project is essential.

Key elements:

Objectives	Relation to the call topic	Concept and methodology	State of the art and innovation potential	Interdisciplinary approach
• Clearly defined, measurable, and achievable goals. • They should address the specific challenge laid out in the call and provide solutions to current problems. • Use the SMART criteria (Specific, Measurable, Achievable, Relevant, Time-bound).	▪ Explain how your project aligns with the scope and objectives of the call ▪ Be explicit in connecting your objectives to the call's expected impacts.	▪ Describe the overall concept, including the rationale behind your approach. Why is this the best solution? ▪ Include a clear, well-structured methodology. In phases or work packages (WPs) to make it easier for evaluators to understand the steps you'll take.	▪ Demonstrate knowledge of the current state of the art, citing relevant literature or existing solutions. ▪ What makes your project innovative. How does it go beyond current knowledge, techniques, or solutions?	▪ How your project integrates different scientific disciplines or sectors, which adds strength to the proposed research.

5G TECHRITORY

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Impact This section focuses on the broader effects of the project, especially in terms of how the results will be used, who will benefit, and how the project aligns with European or global challenges.

Key elements:

Expected Impacts	Dissemination, Exploitation, and Communication Plan	Market Potential or Societal Benefits	Sustainability of Results
▪ Provide a detailed explanation of how your project will contribute to the outcomes and impacts specified in the call. ▪ Address how the results will benefit European society, industry, or policy. ▪ Quantify impacts where possible, using specific and measurable metrics.	▪ Dissemination: Plan how you will share results with the scientific community and relevant stakeholders during and after the project ▪ Exploitation: Outline strategies for how results will be exploited by partners or external entities ▪ Communication: Specify how you will communicate with the broader public or target groups outside the project	▪ If applicable, provide evidence of the market potential of your project's results or how it addresses societal challenges.	▪ Explain how the project's outcomes will be sustained and scaled after the funding period ends. Demonstrate longevity.

5G TECHRITORY

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Implementation This section outlines how the project will be managed and carried out, ensuring that it is feasible and the resources are appropriate.

Key elements:

Work plan and Work Packages (WPs)	Management structure and procedures	Consortium composition and roles	Resources allocation and budget	Risk management
▪ Clear objectives ▪ Defined tasks and deliverables ▪ Assigned partners responsible for each task ▪ Include a detailed timeline with a Gantt chart to show the schedule for each WP and its corresponding tasks.	▪ Explain how the project will be managed, including decision-making, risk management, and how responsibilities are shared among partners. ▪ Mention key individuals who will take on leadership roles and their expertise.	▪ Justify why each partner has been chosen, emphasizing their expertise and how they complement one another. ▪ Clarify the roles and responsibilities of each partner in relation to the work plan.	▪ Provide a detailed, realistic, justified breakdown of the resources required, including personnel, equipment, and other costs.	▪ Identify potential risks (scientific, technical, managerial, etc.) and provide contingency plans for each.

Additional Key Sections

These components often support the main Excellence, Impact, and Implementation sections but are also critical for the success of your proposal.

Ethical considerations

Address any ethical issues related to the research or innovation activities (e.g., data protection, societal impact, etc.).

Gender and diversity considerations

Explain how the project promotes gender equality, both in research content and in the composition of the consortium (if relevant to the project).

Climate and environmental considerations

If applicable, explain how your project contributes to reducing environmental impact or aligning with climate goals.

Building winning partnerships and mastering the art of EU funding success

Writing with clarity, precision, and persuasiveness is crucial for creating a standout proposal

Clarity Clear writing ensures your ideas are easily understood by the reader, especially by evaluators who may not be experts in your specific field.

Tips for clarity:

- **Define your key concepts early**. Avoid introducing complex ideas without first explaining them. Start with a clear definition or explanation of key terms.
- **Avoid jargon and technical language.** Use simple, straightforward language whenever possible. If technical terms are necessary, explain them briefly.
- **Use short, simple sentences**. Long sentences with multiple clauses can confuse readers. Break complex ideas into smaller, digestible parts.
- **Stay focused**. Each paragraph should have one main idea. Avoid adding unnecessary details that can detract from the core message.
- **Use clear transitions**. Help the reader follow your argument by using transition words and phrases (e.g., "therefore," "however," "in addition"). This makes your writing flow smoothly.
- **Visual aids**. Use diagrams, charts, or tables to clarify complex information. A well-placed visual can explain something in seconds that may take a paragraph of text.

Example:

- Unclear: "The project focuses on developing new paradigms for environmental sustainability which could involve various sectors."
- Clear: "The project will develop new models for environmental sustainability that focus on the energy and transportation sectors."

Building winning partnerships and mastering the art of EU funding success

Precision Writing with precision means being specific and avoiding vague language. This ensures your arguments are focused and convincing.

Tips for Precision:

- **Be specific with data and examples**. Provide concrete numbers, dates, or case studies to back up your points.
- **Use active voice**. Writing in the active voice makes your sentences more direct and dynamic, helping to clarify who is responsible for each action. For example, instead of "A decision was made by the consortium," write "The consortium decided."
- **Avoid generalisations.** Steer clear of vague words like “many,” “some,” or “various.” Specify quantities and examples whenever possible.
- **Be accurate with facts.** Double-check all facts, figures, and references to ensure accuracy.
- **Use the right word**. Choose words carefully to reflect your meaning. Avoid using a complex word where a simpler one will do, but make sure the term you choose precisely matches your intended message.

Example:

- Vague: "The project will address many important environmental problems."
- Precise: "The project will address air pollution and water contamination in urban areas, particularly focusing on reducing carbon emissions by 20% over five years."

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Persuasiveness To persuade, you need to make a compelling case for why your project is necessary, innovative, and impactful. Persuasion also involves addressing potential concerns or objections.

Tips for Persuasiveness:

- **Highlight the benefits early.** Quickly and clearly show why your project matters. What problem are you solving, and why is it important now?
- **Focus on the impact**. Describe the tangible benefits and outcomes of your project, both short-term and long-term. Show how it aligns with broader societal or environmental goals.
- **Appeal to logic and emotion.** Use evidence to appeal to logic (e.g., facts, data, examples), but don't be afraid to use emotionally resonant language to show the importance of the issue (e.g., why this matters to people, communities, or the environment).
- **Address objections.** Acknowledge any potential weaknesses or challenges and explain how you will overcome them. Demonstrates confidence and foresight.
- **Use power words.** Words like "innovative," "transformative," "efficient," "groundbreaking," or "scalable" add energy to your proposal and can make your ideas more compelling.
- **Use testimonials or evidence.** Where applicable, reference successful previous projects, endorsements, or partnerships that demonstrate the feasibility and potential impact of your project.

Example:

- Less Persuasive: "The project will likely have a positive impact on the local environment."
- More Persuasive: "The project will significantly reduce air pollution in the city by 30% within three years, improving health outcomes for over 100,000 residents and setting a new standard for urban environmental management across Europe."

Building winning partnerships and mastering the art of EU funding success

Structure for Impact The way you structure your writing can enhance clarity, precision, and persuasiveness.

Tips for Effective Structure:

- **Follow a logical progression.** Make sure your ideas flow logically from one point to the next. Start with a strong introduction that outlines your key points
- **Use headings and subheadings.** Break up your writing into sections that are easy to navigate. This helps readers locate key information quickly.
- **Emphasise key points.** Use bold, italics, or bullet points (when appropriate) to draw attention to the most important points or data in your proposal.
- **End with a call to action or conclusion**. Sum up your key points and explain what you expect the reader to do next (e.g., fund your project, partner with you, etc.).

Example:

- **Unstructured** "The project covers many aspects of environmental health, addressing pollution and conservation, and we will use innovative technologies for this."
- **Structured**: Introduction. "This project will address the urgent issue of urban air pollution through the use of innovative, cost-effective technologies."
- Problem Statement. "Urban air pollution is responsible for over 500 premature deaths annually in our target city. The European Environment Agency has called for immediate action to reduce these risks."
- Solution. "We will implement a cutting-edge carbon capture technology that has been tested in similar cities and has shown a 30% reduction in emissions within two years."

Edit Ruthlessly Your first draft is unlikely to be perfect. Editing is essential for ensuring clarity, precision, and persuasiveness.

Tips for Editing

- **Read aloud.** Hearing the text can help you catch awkward phrasing or overly long sentences.
- **Cut unnecessary words.** Tighten your sentences by removing filler words or phrases (e.g., “in order to,” “very,” “really”).
- **Get a fresh perspective**. Have a colleague or mentor review your work for clarity and impact. They might spot areas that need improvement or clarification.
- **Use editing tools.** Leverage grammar and style-checking tools (like Grammarly or Hemingway) to catch mistakes and suggest improvements.

Mastering evaluation criteria

Building winning partnerships and mastering the art of EU funding success

By understanding what reviewers are looking for and aligning your proposal with their expectations, you can greatly increase your chances of success

Know the Evaluation Criteria

In Horizon Europe and most EU funding programs, proposals are evaluated based on three core criteria:

- ✓ Excellence
- ✓ Impact
- ✓ Quality and Efficiency of Implementation

Excellence – What the Reviewers Want

This criterion evaluates the novelty, clarity, and scientific or technological foundation of the proposal.

What to align with:

- Reviewers want to see well-defined, ambitious, but achievable objectives that align with the call. Use the SMART framework.
- Innovative and groundbreaking approach: Goes beyond the state of the art. Solving a current challenge in a new way? Demonstrate originality and transformative potential.
- Proposals need a robust scientific or technical foundation. Reviewers assess whether the methodology is appropriate to achieve the project's objectives.
- Interdisciplinary and multidisciplinary integration. Show how you'll bring together different disciplines or sectors to strengthen your approach. Reviewers appreciate interdisciplinary cooperation, especially for complex problems.
- Ensure that your core concept is clearly articulated and directly relevant to the call's objectives. Avoid unnecessary complexity that can confuse reviewers.

Pitfalls to avoid:

- Lack of clear and measurable objectives
- Overly technical explanations without context
- Weak or underdeveloped innovation claims

Impact – What the Reviewers Want

Impact is one of the most important sections.
Reviewers assess the real-world effects of your project on society, the economy, or policy.

What to align with:

- **Alignment with expected impact from the call**. Make a direct connection between your project and the impacts the call aims to achieve. Address both short-term and long-term benefits.
- **Dissemination, exploitation, and communication plan**: This is critical. Reviewers want to see how your results will be shared, who will use them, and how they will be communicated to stakeholders and the broader public.
  - Dissemination. Academic and scientific sharing of results (papers, conferences, workshops).
  - Exploitation. How will the outcomes be used in practice? Will the project results lead to commercialization, new policies, or improved processes?
  - Communication. How will you engage the public and stakeholders throughout the project? Communication should be continuous and target diverse audiences.
- **Clear path to societal or economic benefits.** Show specific metrics for the expected impact, such as reductions in pollution, job creation, or policy changes.
- **Sustainability and scalability**: Demonstrate how the project's outcomes will continue after the funding ends. Scalability (how results can be replicated or expanded) is also key.

Pitfalls to avoid

- Vague or unrealistic claims about impact
- No clear plan for how to maximise the use of the results
- Lack of detailed stakeholder engagement strategy

Quality and Efficiency of Implementation – What the Reviewers Want

This criterion assesses how well your project is planned and managed. Reviewers want to ensure the project is feasible and that you have the right team and resources to execute it.

What to align with:

- **Work plan and Work Packages (WPs).** Break the project into clear, manageable work packages with well-defined tasks, timelines, deliverables, and milestones. Reviewers need to see a logical flow of activities.
- **Well-defined consortium roles.** Clearly outline the role of each partner and their contribution to the project. Reviewers want to see complementary expertise and strong collaboration.
- **Risk management.** Address potential risks (scientific, technical, managerial) and provide mitigation strategies. Reviewers expect a realistic approach to managing uncertainties.
- **Resource allocation and budget justification.** Ensure that your budget is reasonable and directly linked to the work plan. Over- or under-budgeting can raise red flags.
- **Strong project management.** Demonstrate a clear project management structure, decision-making process, and procedures for monitoring progress. Reviewers need to feel confident in your ability to keep the project on track.

Pitfalls to avoid:

- Inadequate detail in work packages or unclear deliverables
- Poorly justified budget or unrealistic timelines
- Weak management structures or lack of a risk management plan

Tailoring Your Proposal to the Reviewers' Perspective

Remember that reviewers are experts, but they may not have the same deep knowledge of your specific niche. They often evaluate many proposals in a short period, so make their job easier by being clear, concise, and logical.

Tips for aligning with reviewers' expectations

- **Structure your proposal around the evaluation criteria.** Follow the structure laid out by Horizon Europe (Excellence, Impact, Implementation). Don't force reviewers to dig for information—make it easy for them to find the answers they're looking for.
- **Address the evaluation criteria explicitly**. Use headings that mirror the evaluation criteria (e.g., "Impact on Society" or "Risk Management") to ensure you directly address what reviewers are assessing.
- **Be concise and clear**. Avoid overly technical or convoluted language. Reviewers appreciate proposals that are easy to follow and well-organized.
- **Use quantifiable metrics.** Where possible, provide specific, quantifiable metrics for your expected impact. This gives reviewers confidence that your project will deliver concrete results.
- **Show your enthusiasm and commitment.** A well-written, enthusiastic proposal is more likely to engage reviewers. Passion for your project can shine through in your writing.
- **Review previous successful proposals**. If possible, read previous successful proposals to see how they addressed each evaluation criterion.

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DO YOU HAVE ANY QUESTIONS?

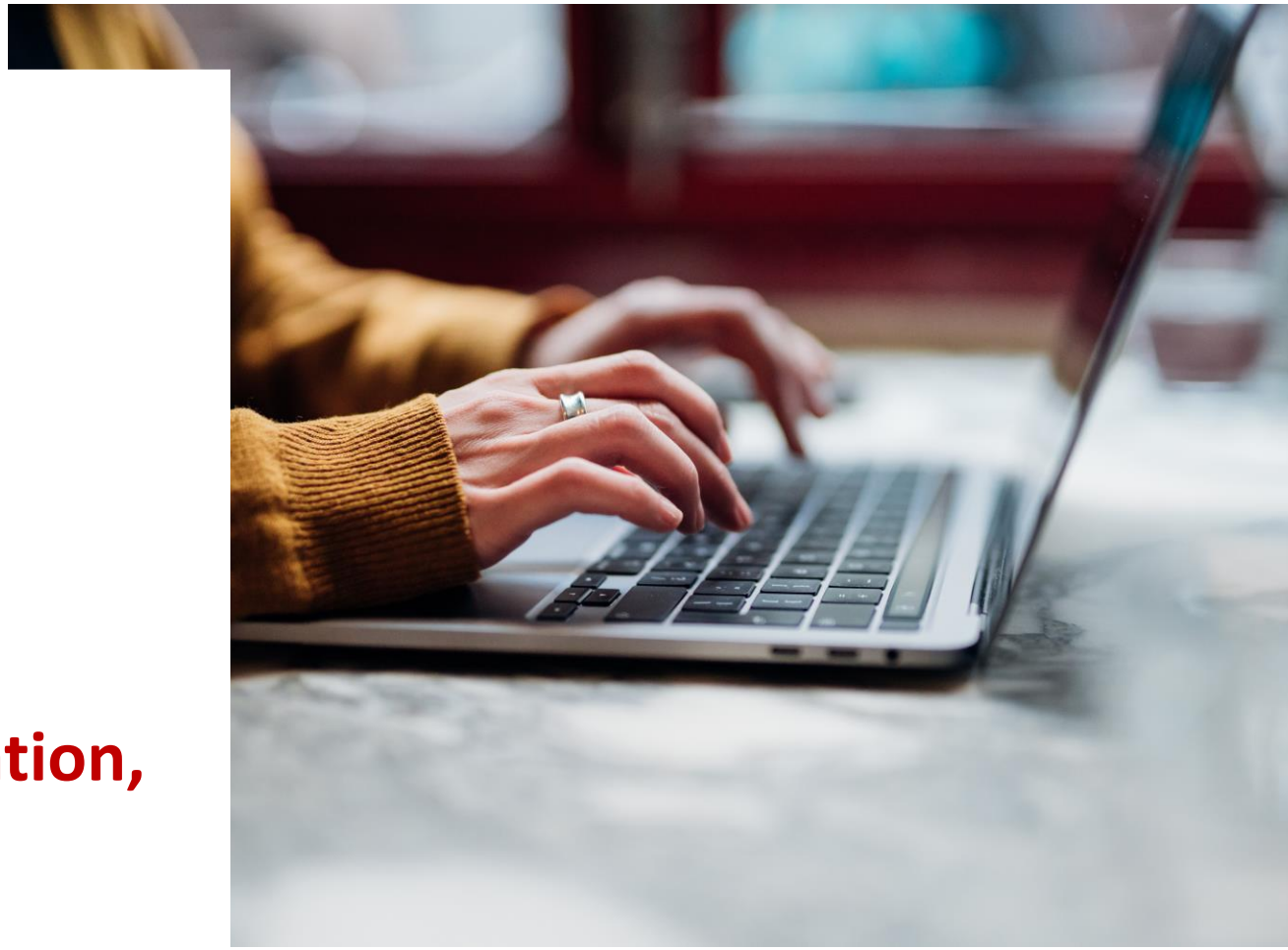
5G TECHRITORY

Building winning partnerships and mastering the art of EU funding success

Contact:

Roger Horam
roger@consultcormack.com

Thank you for listening
If you'd like a copy of the presentation, please email me and I'll forward.



Electronic Communications Office of Latvia

Māris Aleksandrovs

DIRECTOR OF SPECTRUM SUPERVISION DEPARTMENT

OUR COMPETENCES & OFFER TO POTENTIAL PARTNERS

STATE JOINT-STOCK COMPANY WITH 30+ YEARS OF EXPERIENCE

- National authority in Latvia for the radiofrequency spectrum management
- Spectrum planning& supervision
- Equipment compatibility solutions

Skudra

THE CORE FUNCTIONALITY:

- Spectrum scanning
- Automatic signals detection
- Spectrum user identification
- Automatic transmitters' localization
- Data long term storage
- Radiofrequency assignment database
- Data analysis
- Remote control
- Triggered tasks
- 24/7 measurements

QUALITY INNOVATION AWARD 2019

OWNERS&ORGANIZERS OF 5G TECHRITORY

STATE SECTOR PARTNER

INNOVATIVE APPROACH

SPECTRUM POLICY MAKING

STANDARDISATION

EU PROJECT EXPERIENCE

EXPERIENCED WP&TASK LEADER

PROJECTS UP UNTIL NOW:

- **METACITIES**
- **MEASUREMENTS USING DRONES**
- **5G CORRIDOR STUDIES**
- **DRONE CORRIDOR SET UP& PARAMETER MEASUREMENT**
- **INTEGRATION OF QKD OPTICAL NETWORKS INTO WIRELESS NETWORKS**

Electronic Communications Office of Latvia

ENGINEERS BY PROFESSION

INNOVATORS BY CALLING

WWW.VASES.LV

MARIS.ALEKSANDROVS@VASES.LV
MONTA.BALTA@VASES.LV

Міністерство
цифрової трансформації
України

THE MINISTRY OF DIGITAL
TRANSFORMATION
OF UKRAINE

ELINA GANSETSKA

LEGAL & EUROPEAN INTEGRATION
EXPERT

hansetska@thedigital.gov.ua

Міністерство
цифрової трансформації
України

THE MINISTRY OF DIGITAL
TRANSFORMATION
OF UKRAINE

UKRAINE'S CAPABILITIES IN AI & DIGITAL INFRASTRUCTURE

1.AI for E-Government and Public Services

1. Developed AI tools to automate government functions, improve public service delivery, and ensure transparency.
2. Expertise in creating AI solutions that prioritize ethics, privacy, and security.

2.Cyber-Resilient Infrastructure

1. Pioneering secure digital frameworks designed to withstand modern cyber threats.
2. Proven success in building resilient infrastructure despite geopolitical challenges—valuable insights for Europe's infrastructure projects.

3.Thriving Tech Ecosystem and Partnerships

1. Strong tech industry with collaborations with top tech leaders like Microsoft, AWS, and Google.
2. Cross-sector experience to drive Horizon Europe projects, focusing on AI-driven, resilient infrastructure.

Міністерство цифрової трансформації України

THE MINISTRY OF DIGITAL TRANSFORMATION OF UKRAINE

COLLABORATION OPPORTUNITIES

1.Infrastructure Rebuilding

1. Utilize AI or other digital technologies for infrastructure assessment, predictive maintenance, and optimization
2. Collaborate on rebuilding resilient, digitally integrated infrastructure for cities and essential services.

2.Scalable, Interoperable Digital Solutions

1. Develop and integrate scalable digital solutions that support cross-border interoperability.
2. Opportunities to co-develop tools for infrastructure safety, monitoring, and efficiency.

3.Joint R&D in AI for Sustainable Infrastructure

1. Interested in partners for R&D that can drive efficient, sustainable infrastructure rebuilding projects.
2. Focus on innovations that leverage smart cities, energy management, and urban resilience.

ELINA GANSETSKA
HANSETSKA@THEDIGITAL.GOV.UA

NUST POLITEHNICA BUCHAREST
ALEXANDRU VULPE
ALEX.VULPE@RADIO.PUB.RO

Info about our labs and team:

About Politehnica

- established in 1818
- largest technical university of Romania
- 4 campuses
- 22 faculties
- 3 levels of studies: bachelor, master & PhD
- more than 25 000 students
- 3000 members of the permanent staff (about 1500 professors at different levels)
- institutional collaboration with more than 150 universities from 27 countries from Europe, America, Asia and Africa

Projects

- **A-WEAR**: A network for dynamic WEarable Applications with pRivacy constraints (MSCA ITN EJD)

- **Motor-5G**: MObility and Training fOR beyond 5G Ecosystems (MSCA ITN ETN)

- **RE-COMBINE**: Research Collaboration and Mobility for Beyond 5G Future Wireless Networks (MSCA RISE)

- **Arrowhead fPVN**: Arrowhead for Flexibile Production Value Networks (KDT-JU/Chips-JU)

- **SOLID-B5G**: A Massive MIMO Enabled IoT Platform with Networking Slicing for Beyond 5G IoV/V2X and Maritime Services (EEA Grants)

- **RoNaQCI**: Romanian National Quantum Communication Infrastructure (DIGITAL EUROPE)

- **DTEClimate**: Competence Center for Climate Change Digital Twin for Earth forecasts and societal redressment (National Recovery and Resilience Plan)

- **MultiViewLCSA**: European Network for Multiple View Life Cycle Sustainability Assessment. (COST Action)

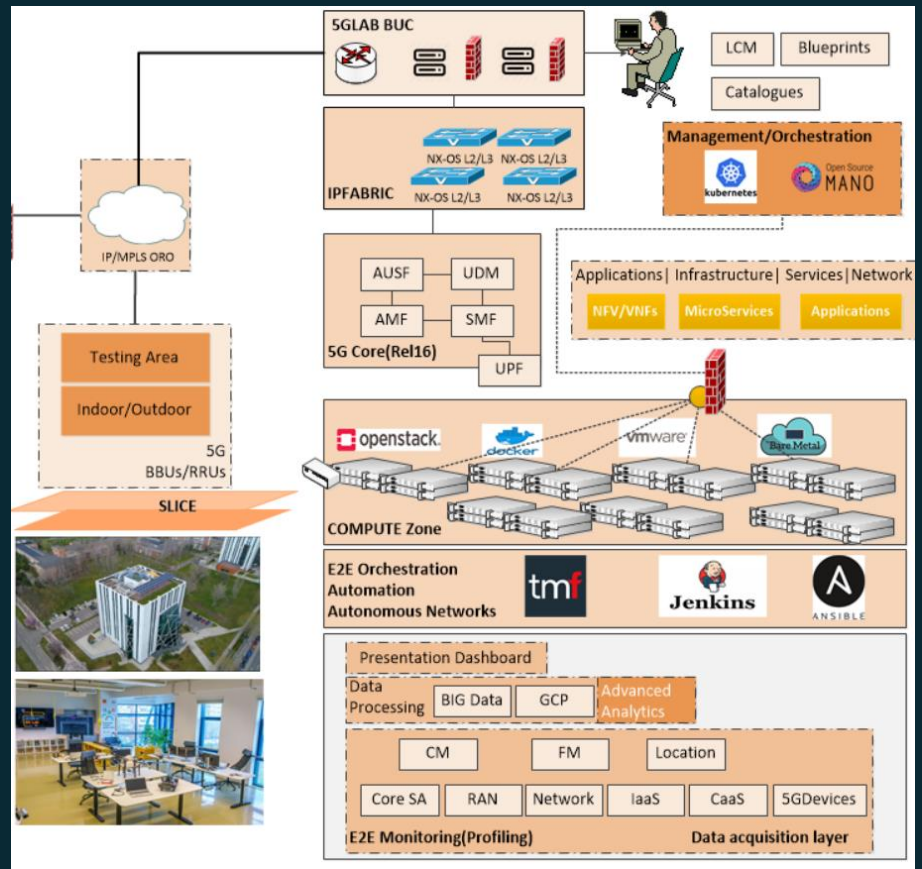
- **ANTIDOTE**: AI Attack and Defense for the Smart Healthcare (MSCA SE)

Info about our labs and team:

Competencies

1. Our main activities:
- only RO Competence Center for Smart City and Climate Neutrality
- implementing a Smart and Climate Neutral Campus
-place for co-creation between stakeholders, that will enhance user-driven open innovation in real-life settings

2. Our expertise and skills we may bring to the project(s):
- 5G/6G testbed w/ full 5G SA 3GPP Rel.16 compliable infrastructure
- slicing services to AI-native network slice architecture
- AI-based sensing, mapping, localization, channel estimation



Potential CL4 calls

1. CL4-2025-04-DATA-02: Empowering AI/GenAI along the Cognitive Computing continuum (RIA)
2. CL4-2025-03-DATA-08: Large-scale pilots for supply end-to-end infrastructures integrating device, network computing and communication capabilities for ...(3C networks) (RIA)
3. CL4-2025-03-DATA-11: Open Internet Stack: development of technological commons/open-source 3C building blocks (RIA)
4. CL4-2025-03-HUMAN-16:Drive the evolution of the internet towards open and interoperable Web 4.0 and Virtual Worlds : building blocks in priority areas (RIA) (Virtual Worlds Partnership)

Info about our labs and team:

Potential Use Cases

1. Future Networks for Digital Twin

   Interconnecting what-if scenarios with a real-experience simulation,

2. VR/XR solutions for immersive learning

   Campus in a Box VR/XR solution for better student engagement

3. 5G Mission Critical Solutions

   5G MCX-sized network, with MCPTT, MCVideo, MCData in areas with no comm infrastructure

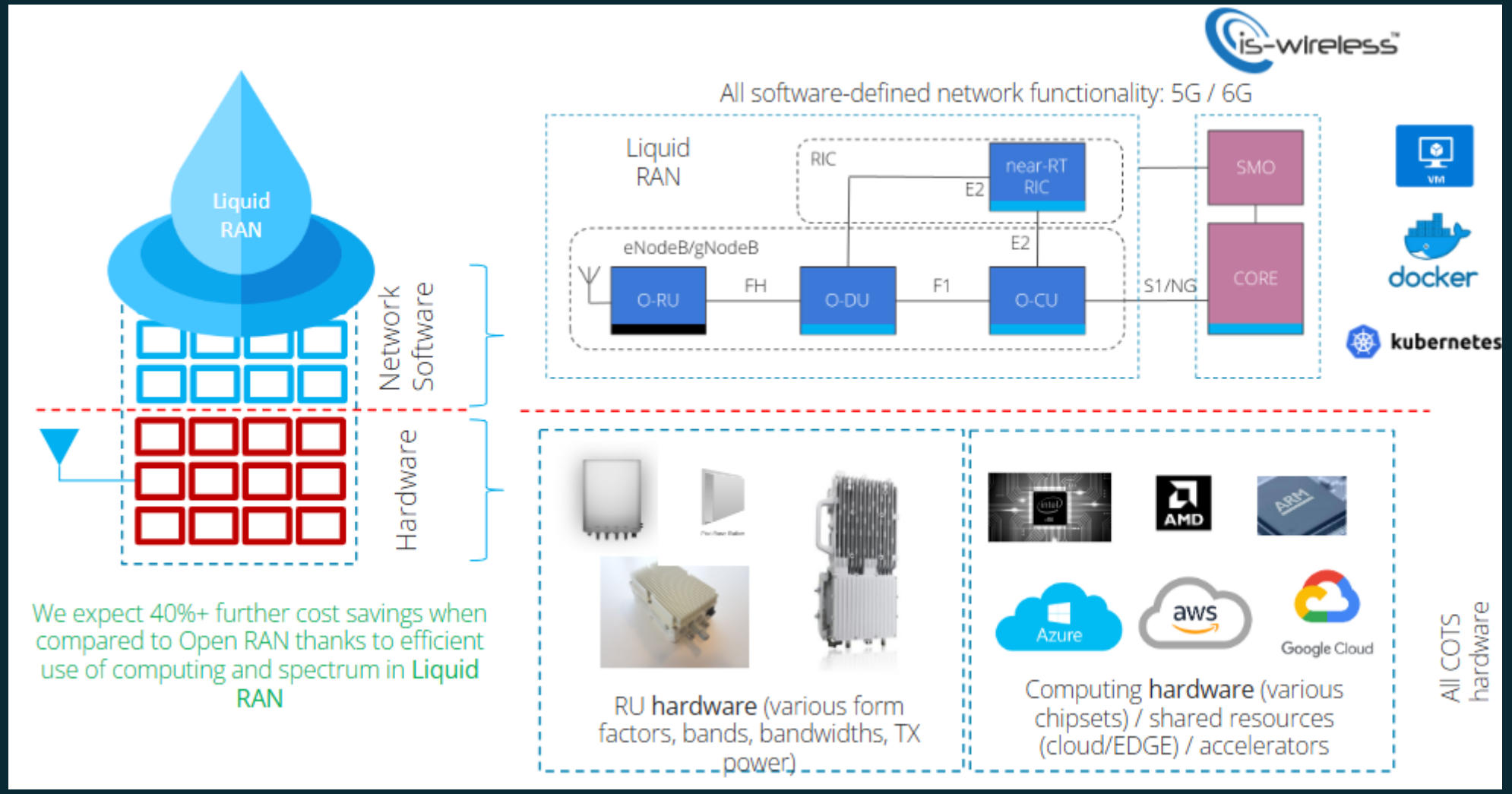
IS-WIRELESS

RAFAŁ SANECKI, HEAD OF MARKETING
R.SANECKI@IS-WIRELESS.COM

Competencies

1. Our main activities
   - EU leading 5G ORAN vendor
   - 6G research – active contributor to 10 EU projects (including large scale pilots)
   - Provider of 5G/6G testbeds and labs (e.g. 6G-SANDBOX, 6G-BRICKS)
   - Member of SNS JU, ORAN
2. Our expertise and skills we may bring to the project(s)
   - 5G/6G RAN highly adaptive to underlying compute infrastructure (LiquidRAN)
   - Network intelligence with xApps/RIC (network programmability)
   - 5G/6G radio resource management algorithms and schemes (with AI/ML, compute agnostic, for dense networks)
   - 5G/6G wireless systems architecture expertise (3GPP, ORAN, ETSI)
   - Complete testbed/PoC provider

Our focus: liquidity, energy efficiency combined with AI/ML and densification for better resource usage



Thank you!

Contact us

Adam Flizikowski, Head of R&D (a.flizikowski@is-wireless.com)
Arifur Rahman, Lead Researcher (a.rahman@is-wireless.com)
Rafał Sanecki, Head of Marketing (r.sanecki@is-wireless.com)
Sławomir Pietrzyk, CEO (s.pietrzyk@is-wireless.com)

IS-Wireless
Puławska 45b
05-500 Piaseczno/near Warsaw
POLAND
info@is-wireless.com

TRUST-IT SERVICES
MARIA GIUFFRIDA
M.GIUFFRIDA@TRUST-ITSERVICES.COM

Competencies

1. Our main activities:

Italian SME specialised in pan-European collaborations & EC's Research Agenda initiatives with In-house graphics & SW development team

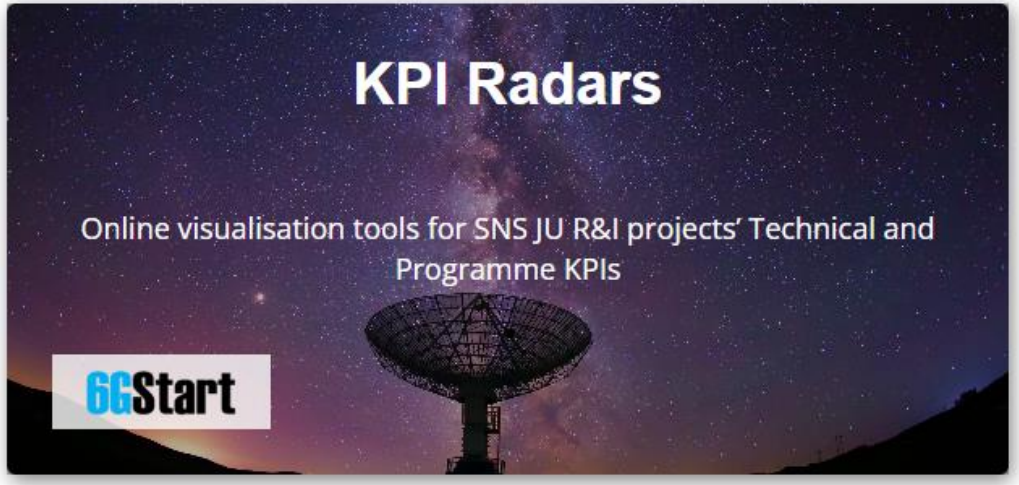
2. Our expertise and skills we may bring to the project(s):

- Web-based solutions & other custom ICT implementations, such as web-tools, websites, platforms
- Policy briefs and blueprints, policy-oriented publications
- Stakeholder engagement, communication, dissemination and exploitation

SNS JU TRACKERS

AN INITIATIVE FOUNDED BY THE SMART NETWORKS AND SERVICES JOINT UNDERTAKING (SNS JU)

HTTPS://SNS-TRACKERS.SNS-JU.EU/



TECH-PARK KAUNAS

TECH-PARK KAUNAS
TOMAS ČERNEVIČIUS
TOMAS.CERNEVICIUS@TECHPARK.LT

The Best Experience for Startups

TECH PARK
KAUNAS

Since 1998

30% – Startups
70% – Innovative companies

EIMIN

ktu kaunas university of technology 1922

UNIVERSITETAS * UNIVERSITAS VYTAUTI MAGNI * VYTAUTO DIDŽIOJO

techpark.lt

500+
Incubated companies

85%
Success rate

110+
Current number of companies

TECH–PARK
KAUNAS

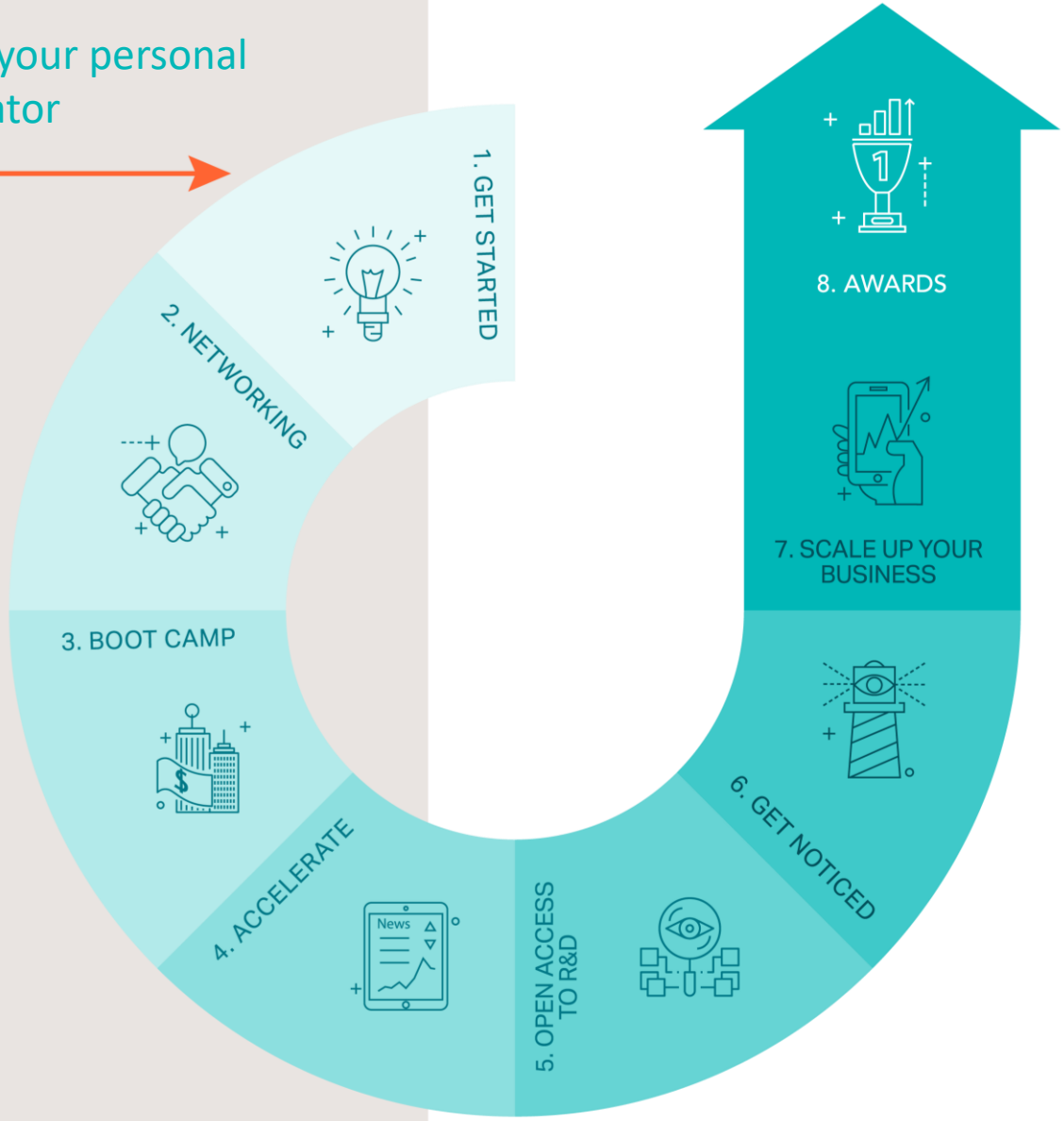
Competencies

1. Our main activities:
- Entrepreneurship and Innovation Support

2. Our expertise and skills we may bring to the project(s):
- Incubation and Acceleration Programs
- Business and Science Cooperation
- Partnerships with EU and Global Innovation Development Networks
- Other

Meet your personal facilitator

Event Calendar



1.Get started!
We make a 20-30 minute interview with every company which applies to join the Park. During this process companies pitch what they do, and our experts have a chance to ask follow-up questions. After the interview, we determine if our tech park is a good fit for your company and vice versa. You also get assigned **a personal facilitator** who guides you during your incubation program. Want to get started?

2.Networking / Community events
Every month we organize a variety of events for our members. The main purpose of these events is to help you network and create meaningful business relationships.

3.Test your startup idea
It's a 1-week long startup bootcamp program for our members. Selected experts help test your business while covering the following topics: Value creation, business model canvas, communication, sales and marketing, leadership and the basics of the pitch deck.

4.Accelerate with Evolut 4.0
This is a 2 month long pre-acceleration program for early-stage startups which develop innovative products, want to boost their sales, build their marketing and prepares them for pitching to investors. Read more about our program on our website.

5.Open Access to R&D
As a member of Tech-Park Kaunas you will have access to a variety of research labs, R&D services, researchers, scientists, and experts at KTU, LSMU, VDU and other top universities in the region. You will get the opportunity to participate in the industry related R&D events, B2B matchmaking meetings.

6.Get noticed!
We are proud of the companies who work and create innovative products and we are very excited to share your success stories within our startup ecosystem as well as our national and international network.

7.Scale up your business!
During the course of the year Tech-Park Kaunas runs a variety of programs with our large network of national and international partners. Our facilitators will match you with the projects, opportunities and grants which are relevant to you. Read more about available projects on our website.

8.Awards!
Tech-Park Kaunas hosts annual Startup Awards. Our startups often get nominated and be seen among the winners. More info about past awards on our website.

TECH–PARK
KAUNAS

UrbanTech

urban tech

SpaceTech

esa business incubation centre

GreenTech

GreenTech
Clusters for Excellence 2.0

MedTech

eit Health

40+ EU partners
3 GLOBAL partners

CERN technology

3 - HORIZON projects
5 – INTERREG projects
13 – ERASMUS projects

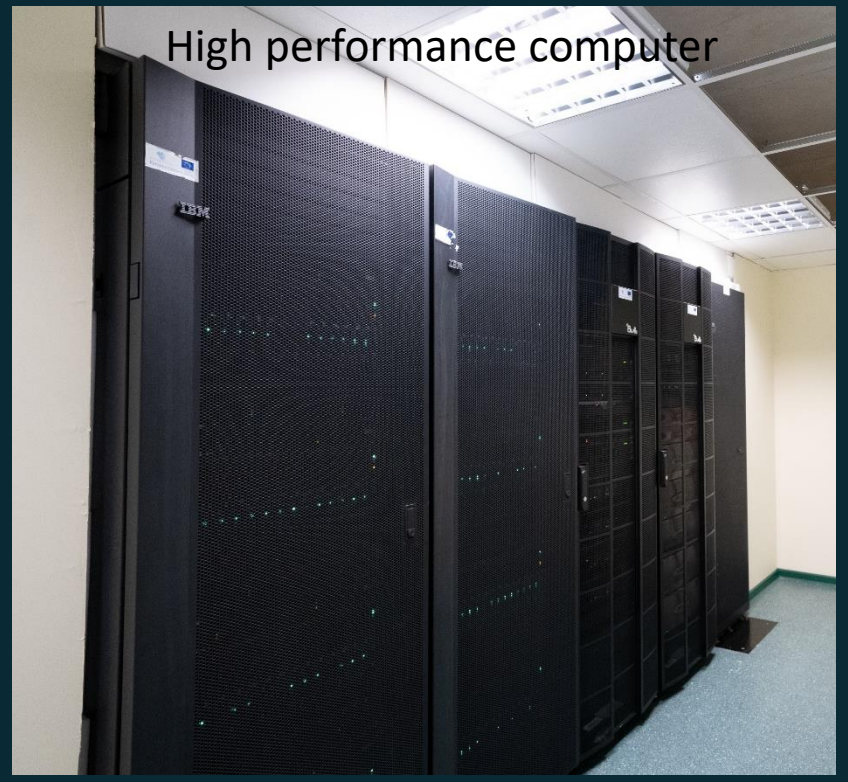
Horizon 2020 Programme

VILNIUS UNIVERSITY
DR. PROF. VALENTAS GRUZAUSKAS
VALENTAS.GRUZAUSKAS@MIF.VU.LT

Faculty of mathematics and informatics

- ~2000 students
- ~250 academic staff
- 10 bachelor study programs
- 6 master study programs

- Institute of Applied Mathematics
- Institute of Data Science and Digital Technologies
- Institute of Computer Science
- Institute of Mathematics
- Artificial intelligence laboratory
- Cyber security laboratory



Artificial intelligence

Deep learning for computer vision, natural language processing, system testing:

- Chatbots for social services (AI Ethics)
- Deep learning for remote sensing (computer vision)
- AI Act/ISO artificial intelligence management system – self assessment
- AI system testing with agent based modelling and agentic workflow

Research group

- Linas Petkevičius – Deep learning
- Jonas Matuzas – Deep learning
- Justinas Lekavičius – Deep learning
- Valentas Gružauskas - Mathematical modelling
- Sébastien Gadal (Advisor Aix-Marseille Université) – Geoinformation systems
- Thomas Gloaguen - Urban modelling

Others

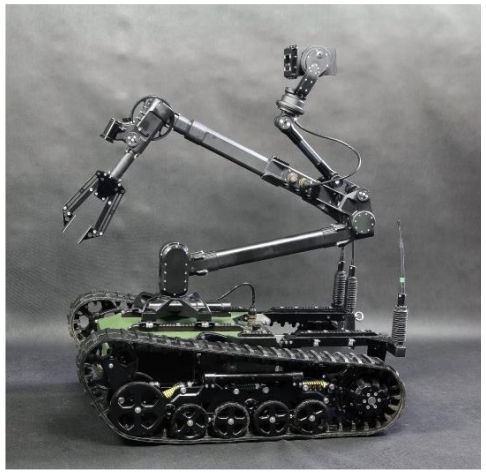
Łukasiewicz
PIAP

ŁUKASIEWICZ-PIAP - Research and Development Center for Automation and Robotization

JAN PIWIŃSKI
jan.piwinski@piap.lukasiewicz.gov.pl

Łukasiewicz-PIAP

Łukasiewicz –PIAP: RTO, system integrator, mobile robots producer, 300 workers.



Technology Centre (Robotics, Automation, CPS, embeddedAI)
Digital Innovation HUB. EDIH. EFFRA member.
Industry 4.0 National Contact Point

Competencies

1. Our main activities:

- Automated and robotized work centres and production lines.
- New generations of control systems and drives for modernized production installations.
- Industrial measurement systems.
- 3D printing and scanning.
- Stations for visual inspection, monitoring and telemetry systems.
- Intelligent systems and mobile robots for special applications.
- Specialized test equipment installations for recycling of cars and household appliances.

2. Our expertise and skills we may bring to the project(s):

HORIZON-CL4-202X-TWIN-TRANSITION: MAAS/ Made in Europe Partnership

HORIZON-CL4-202X-DIGITAL-EMERGING

HORIZON-CL4-202X-HUMAN

Research interest for CL4 2025

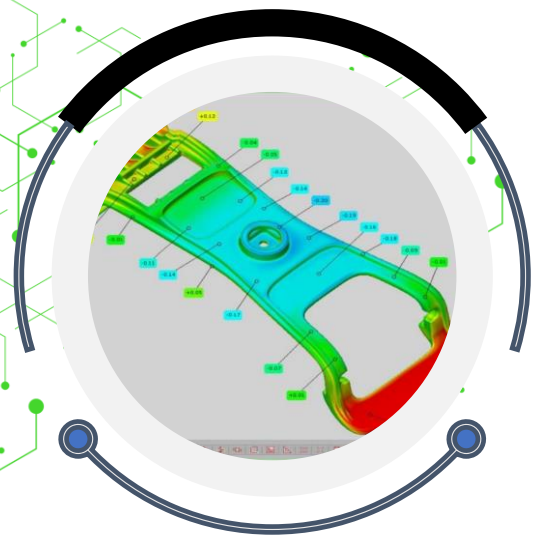
- **Remanufacturing** of both components and products towards full circularity:
  - Production lines upgrade with **advanced machinery**, **robots**, etc.
  - **Additive manufacturing** for remanufacturing

- **Manufacture as a Service (MAAS)** - **Sustainable and Agile Manufacturing with AI control.**

- **Circularity** (recycling and recovery of materials) - **Circular Economy** technology for efficient recovery of high-value materials by robotized disassembly of electronics waste.
  - Helping industry to respond to customers' demand for personalised products & services implementing Smart specialization strategy: National Smart Specialization "Automation and Robotics of technological processes".

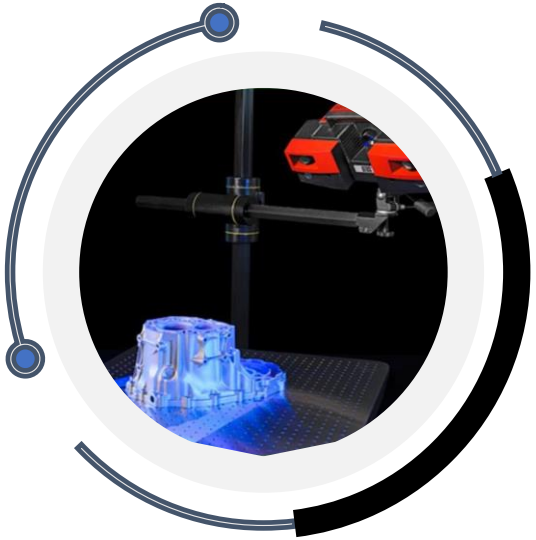
- ***We are looking for partners and Coordinators to the 2025 Calls.***

Offer for other industries



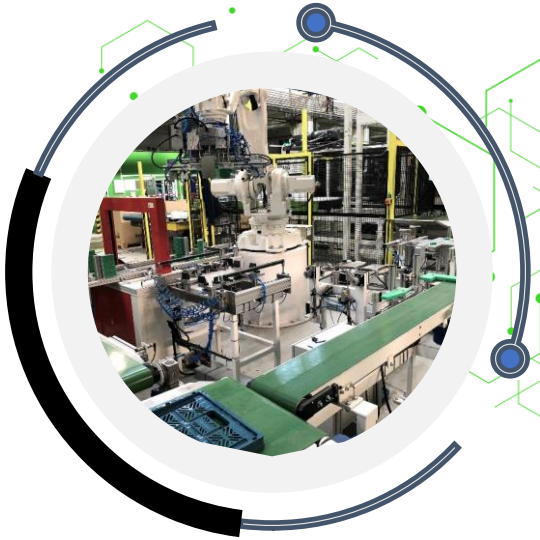
3D Scanning

ultra-fast reproduction of worn components



3D Printing

manufacturing spare parts made of heavy-duty bio-compatible materials



Fast delivery of spare parts

conveyors, feeders, process lines, instruments

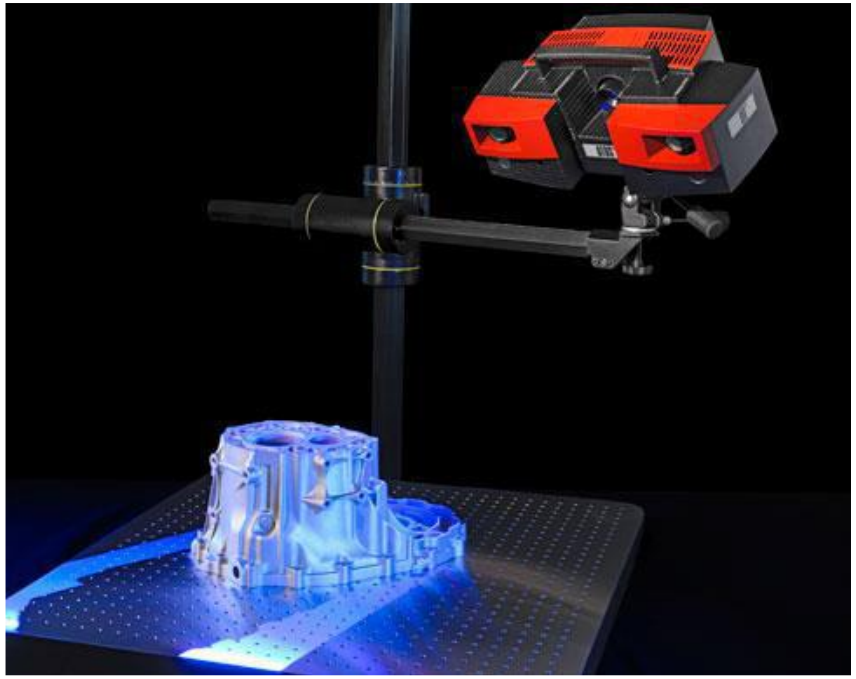
DIGITAL TWIN

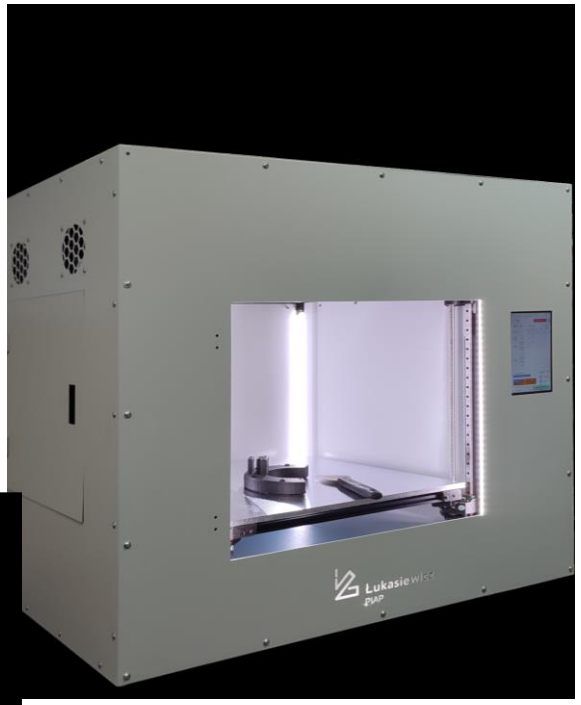
CPS for remote programming an industrial station for Wire Arc Additive Manufacturing (WAAM).

Technology of a digital twin in virtual reality.

Increases the **safety** of employees and enable remote cooperation with robots.

Production of parts using **industrial 3D printing** from any kind of materials - from polymers to metals and their alloys

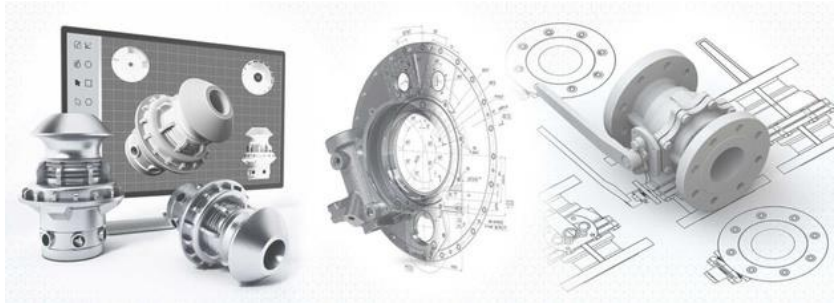


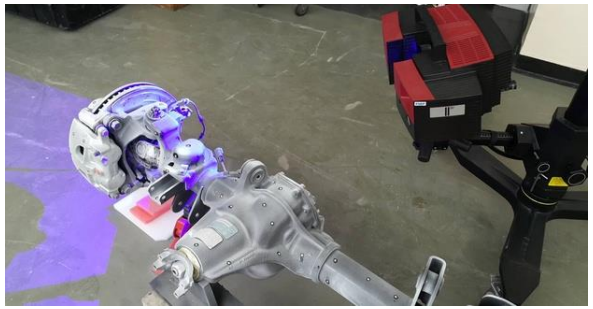


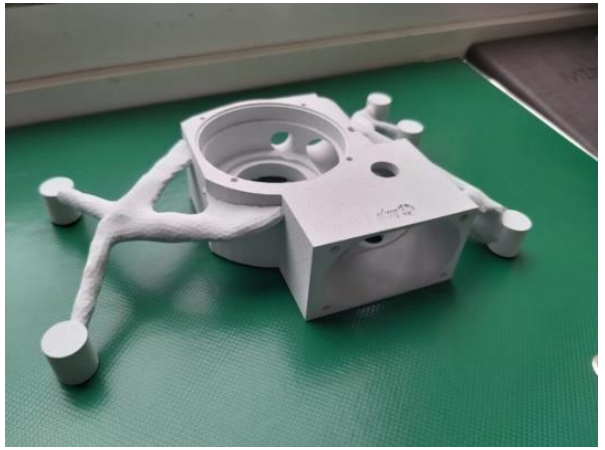
Industrial Inspection System

Designing prototypes dedicated for target manufacturing technology.

Quality control in relation to CAD.

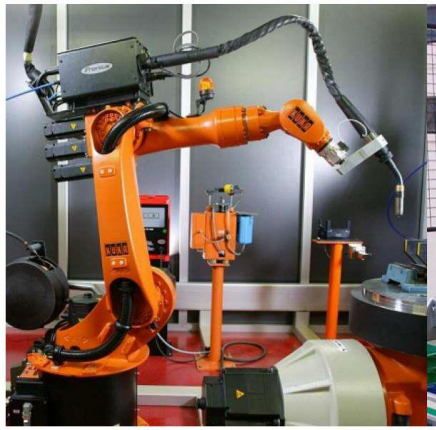


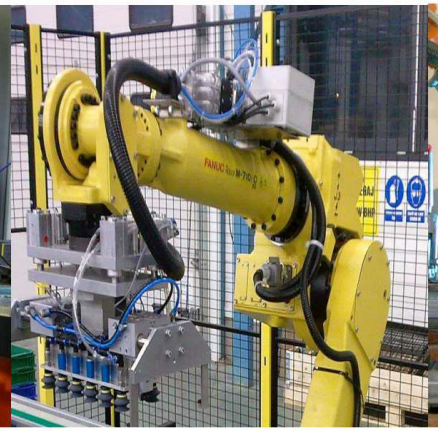


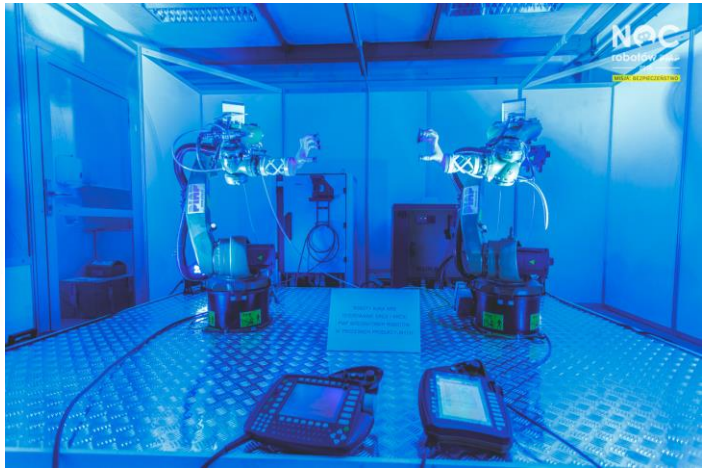


Robotics applications for manufacturing SMEs

- palletising, depalletising,
- welding, bevelling (including plasma bevelling),
- assembly, handling,
- transport between stations,
- packaging,
- weighing out and batching,
- coating, grinding



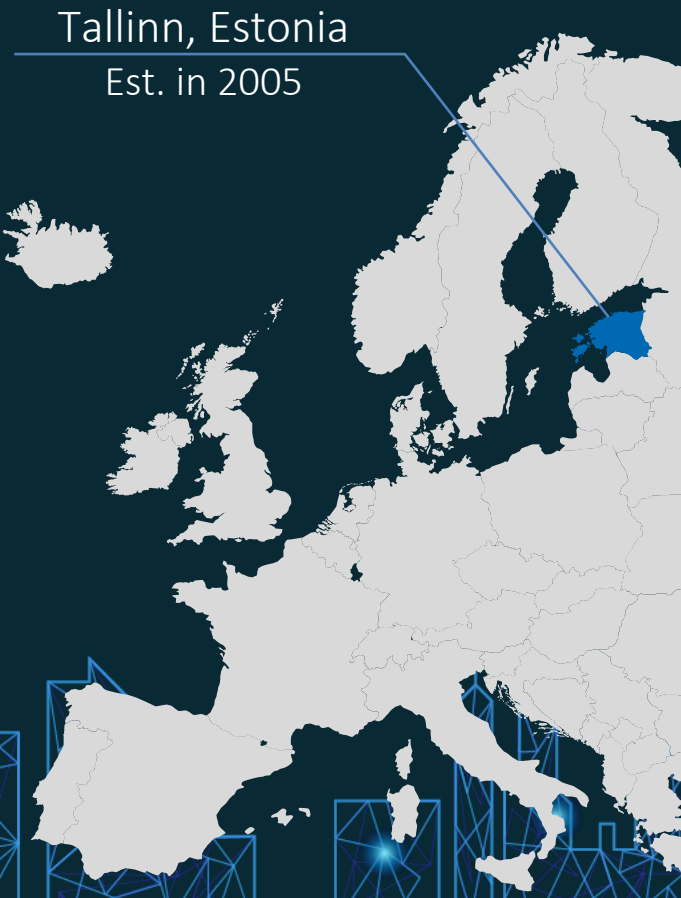




Testonica

TESTONICA LAB

Artur Jutman
artur@testonica.com



Competencies

1. Our main expertise

- Design of embedded systems: HW and SW, FPGA design, IC/ASIC design
- Fault tolerance, dependability for mission critical and space applications
- AI / DNN accelerator HW, post-quantum cryptography

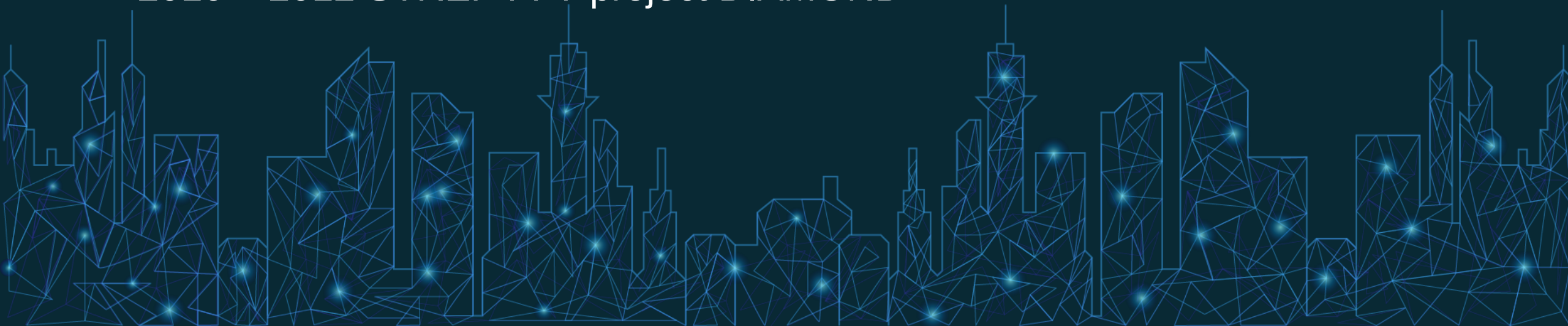
2. Strong R&D team

- Once a spin-off from TalTech
- Over half of employees hold PhD degree
- 4 FP/Horizon projects since 2010
- European Space Agency, CERN, European Spallation Source

Testonica

Past R&D Projects

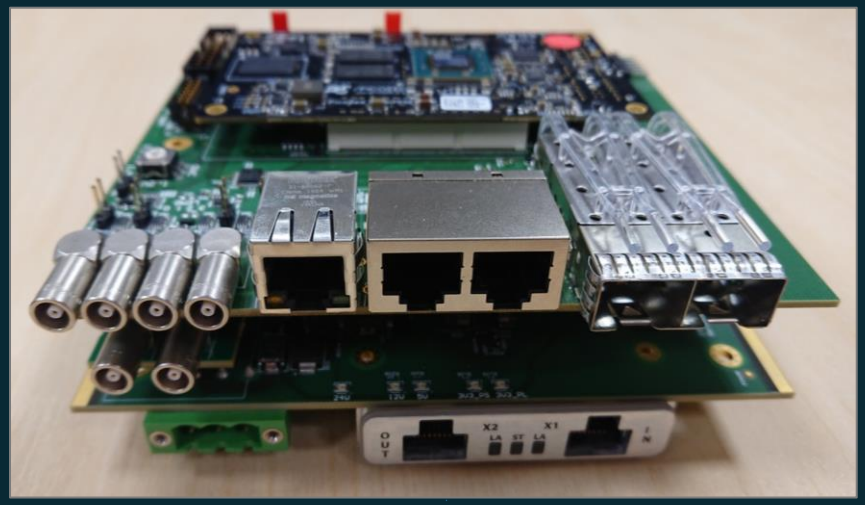
- 2024 – 2025 ESA PQC-related tender with Airbus Defense & Space
- 2023 – 2024 European Space Agency project SoC-HEALTH2
- 2018 – 2019 European Space Agency GSTP project SoC-HEALTH
- 2015 – 2018 H2020 RIA project IMMORTAL
- 2014 – 2016 STREP FP7 project BASTION *(coordinator role)*
- 2010 – 2012 STREP FP7 project DIAMOND

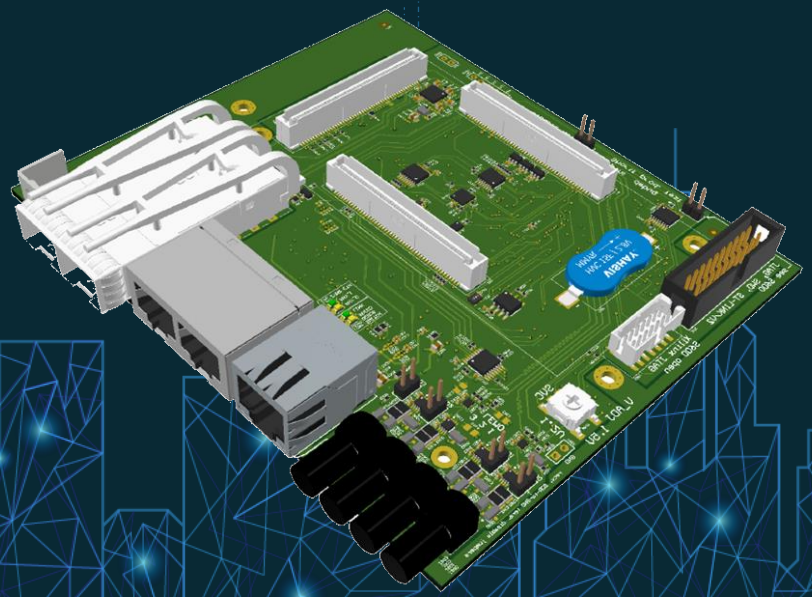


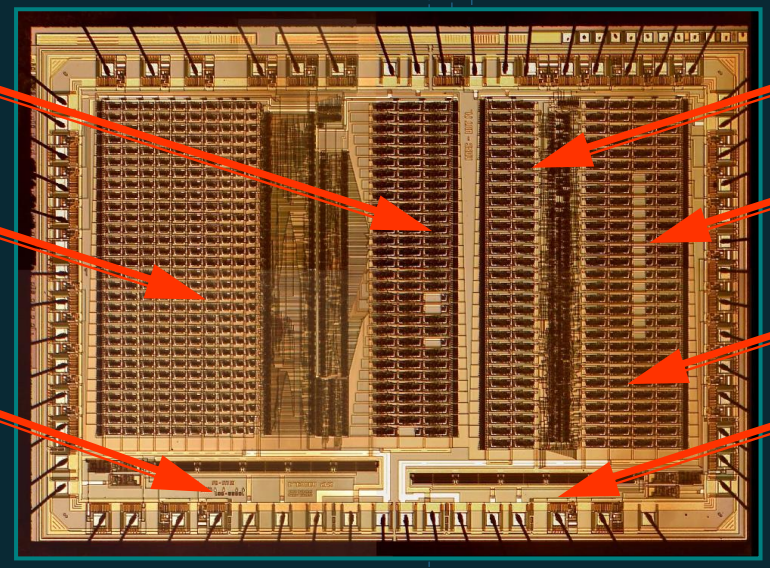
Testonica

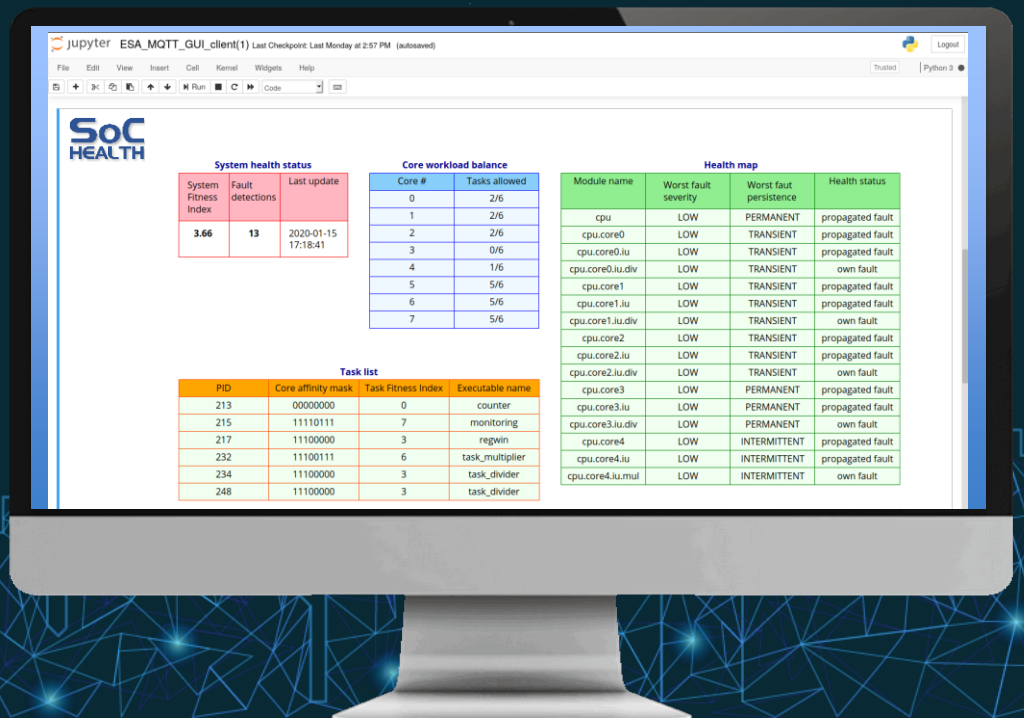
100+ solutions in
20+ countries

Testonica






CB1
HRDLIB
BICM
C17 opens
NA2 opens
C17 shorts
BICM

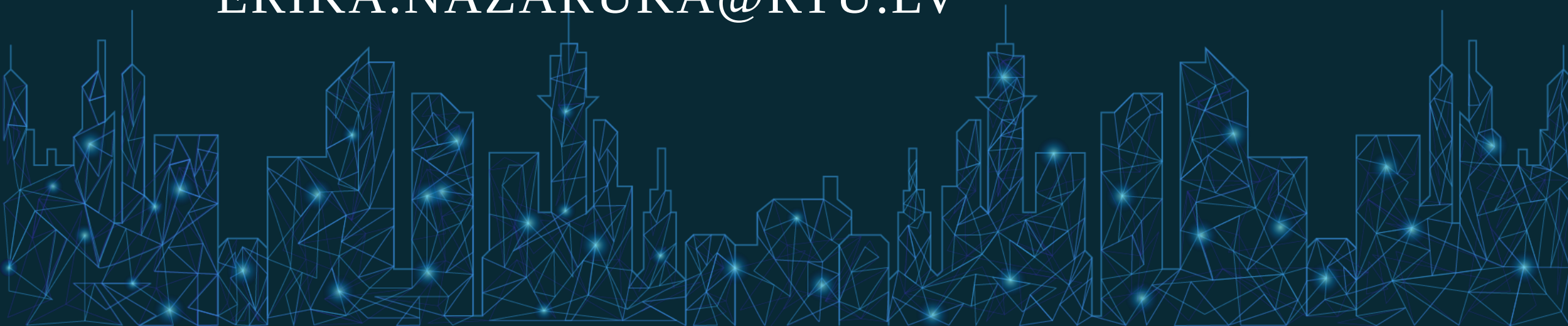

jupyter ESA_MQTT_GUI_client(1)
SoC HEALTH
System health status
System Fitness Index
Fault detections
Last update
3.66
13
2020-01-15 17:18:41
Core workload balance
Core #
Tasks allowed
0 2/6
1 2/6
2 2/6
3 0/6
4 1/6
5 5/6
6 5/6
7 5/6
Health map
Module name
Worst fault severity
Worst faut persistence
Health status
cpu LOW PERMANENT propagated fault
cpu.core0 LOW TRANSIENT propagated fault
cpu.core0.iu LOW TRANSIENT propagated fault
cpu.core0.iu.div LOW TRANSIENT own fault
cpu.core1 LOW TRANSIENT propagated fault
cpu.core1.iu LOW TRANSIENT propagated fault
cpu.core1.iu.div LOW TRANSIENT own fault
cpu.core2 LOW TRANSIENT propagated fault
cpu.core2.iu LOW TRANSIENT propagated fault
cpu.core2.iu.div LOW TRANSIENT own fault
cpu.core3 LOW PERMANENT propagated fault
cpu.core3.iu LOW PERMANENT propagated fault
cpu.core3.iu.div LOW PERMANENT own fault
cpu.core4 LOW INTERMITTENT propagated fault
cpu.core4.iu LOW INTERMITTENT propagated fault
cpu.core4.iu.mul LOW INTERMITTENT own fault
Task list
PID
Core affinity mask
Task Fitness Index
Executable name
213 00000000 0 counter
215 11110111 7 monitoring
217 11100000 3 regwin
232 11100111 6 task_multiplier
234 11100000 3 task_divider
248 11100000 3 task_divider

RTU
FACULTY OF
COMPUTER SCIENCE,
INFORMATION
TECHNOLOGY
AND ENERGY

RIGA TECHNICAL UNIVERSITY
INSTITUTE OF APPLIED COMPUTER SYSTEMS

SYSTEM ANALYSIS, MODELING AND DESIGN RESEARCH GROUP

ERIKA NAZARUKA
ERIKA.NAZARUKA@RTU.LV



RTU
FACULTY OF
COMPUTER SCIENCE,
INFORMATION
TECHNOLOGY
AND ENERGY

Competencies

1. Our main areas of activities:

- SOFTWARE DEVELOPMENT METHODOLOGIES: programming and modelling languages, development paradigms (functional, object-oriented, model-based)
- ENTERPRISE ARCHITECTURE AND BUSINESS MODELLING OF COMPLEX SYSTEMS: complexity management, continuous requirements engineering
- STANDARDS, QUALITY ASSURANCE AND CONTROL: process and product quality
- NATURAL LANGUAGE PROCESSING & UNDERSTANDING FOR SOFTWARE DEVELOPMENT: assistance in domain analysis, requirements verification, test automation

2. Our expertise and skills we may bring to the project(s):

- digital transformation; analysis, design, modelling and simulation of complex systems;
- formalization / automation of development of workflows, processes;
- assistance in interaction between people and machines.

Der Mittelstand.
BVMW e.V.
Bundesverband

BVMW E.V. INTERNATIONAL
THE GERMAN ASSOCIATION FOR SMALL AND MEDIUM-SIZED BUSINESSES

ANDRÉ NITZSCHMANN
ANDRE.NITZSCHMANN@BVMW.DE

Competencies in General

1. Our main activities:
Promotion and facilitation of SME collaborations
Policy-recommendations and strategic advisory

2. Our expertise and skills we may bring to the project(s):
Access to decision-makers at SMEs and corporate business in Germany

Network to companies in the scope of Horizon Europe Cluster 4 Digital

Closing the gap

1. Project idea and available expertise:
Idea: Federated Design Capacities for the EU Semiconductor Industry

Expertise: Promotion and facilitation of SME collaborations

2. Complementary skills we need in the consortium/project:
SMEs, that want to leverage on unique niches and applications through custom IC-Design to enable new products and services

www.lgm.rnu.tn

MECHANICAL ENGINEERING LABORATORY,
ENGINEERING SCHOOL OF MONASTIR,
UNIVERSITY OF MONASTIR

Pr Hédi BEL HADJ SALAH

hedi.belhadjsalah1@gmail.com

www.lgm.rnu.tn

Project idea

1. Project idea and available expertise:

Objective: Develop a training dataset for an AI model to represent the results of metal forming process simulations.

Key Benefit: The AI will assist designers by reducing the need for multiple, complex numerical simulations.

Possible extension : to parametric problems

2. Complementary skills we need in the consortium/project:

Data Science: Expertise in data organization and management to train AI models effectively.

AI Development: Proficiency in developing and selecting AI models that are best suited to the target application.

Competencies

1. Our main activities:

Identification of material behavior parameters using mechanical tests and computing

Numerical simulation and optimization of metal forming processes

Problem solving for the benefit of industries.

2. Our expertise and skills we may bring to the project(s):

- Finite element analysis
- Development of artificial neural networks
- Material behaviour

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University of Monastir

Fields : Science , Engineering, Biotechnology, Health

1. Engineering School of Monastir :
   Mechanical, Electrical, Textile and Power engineering

2. Mechanical Engineering Laboratory
   Fields : Material design,
   Mechanical system design,
   Problem solving for the benefit of industries.

UNIVERSITE DE MONASTIR

ENIM
المدرسة الوطنية للمهندسين بالمنستير

www.lgm.rnu.tn

Thank you for your attention

Pr Hédi Belhadjsalah

hedi.belhadjsalah1@gmail.com

UNIVERSITATEA BABEȘ-BOLYAI

Babeș Bolyai University, Cluj-Napoca, Romania

ANA-MARIA GHIRAN
anamaria.ghiran@econ.ubbcluj.ro

UNIVERSITATEA BABEȘ-BOLYAI

Competencies

Faculty of Economics and Business Administration

- is the leading faculty of the country in the Business&Economics domain
- our department, **Business Information Systems**, has been engaged in research topics that combine computer science with business domain
- OMiLAB-FSEGA – part of a think tank dedicated to fostering innovation in digital technologies and conceptual modeling.

Recent projects:

- 2022-2023 "Integrated system for the **automation of business processes using artificial intelligence**"
- 2020-2022 "Development of the cloud infrastructure of Babeș-Bolyai University Cluj-Napoca for the realization of an integrated system of academic management and decision support based on **Big&Smart Data**"
-

UNIVERSITATEA BABEȘ-BOLYAI

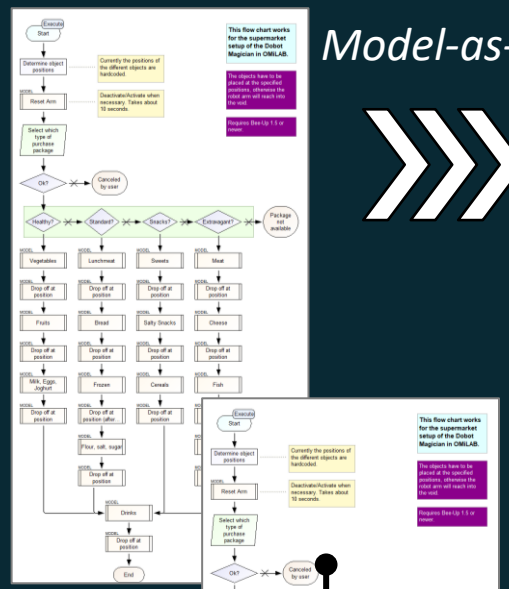
Expertise and skills we bring

We bring expertise on:

- Conceptual Modeling
- Model-Driven Robotics
- AI, Generative AI and Semantic Technologies

We seek collaborations:

- Industry partners for validation
- Academic partners to team up with in scientific research



Model-as-control (model driven device control)

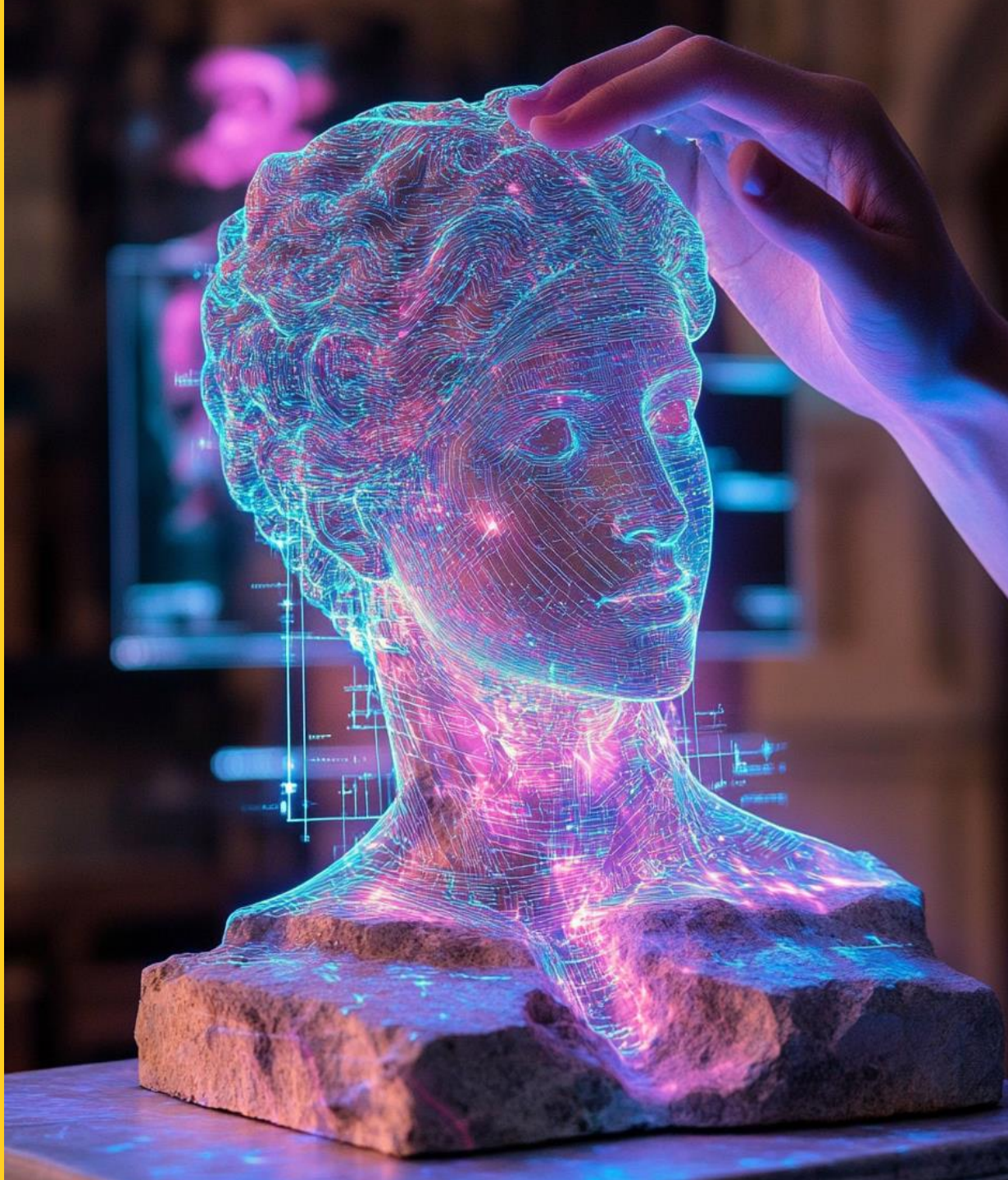
Model-as-a service (queryable content from diagrammatic models)

SPARQL

Perfection42

Employ AI to work for You.

Eva Brazdzionyte **Gabija Bakutyte**



Our main activities

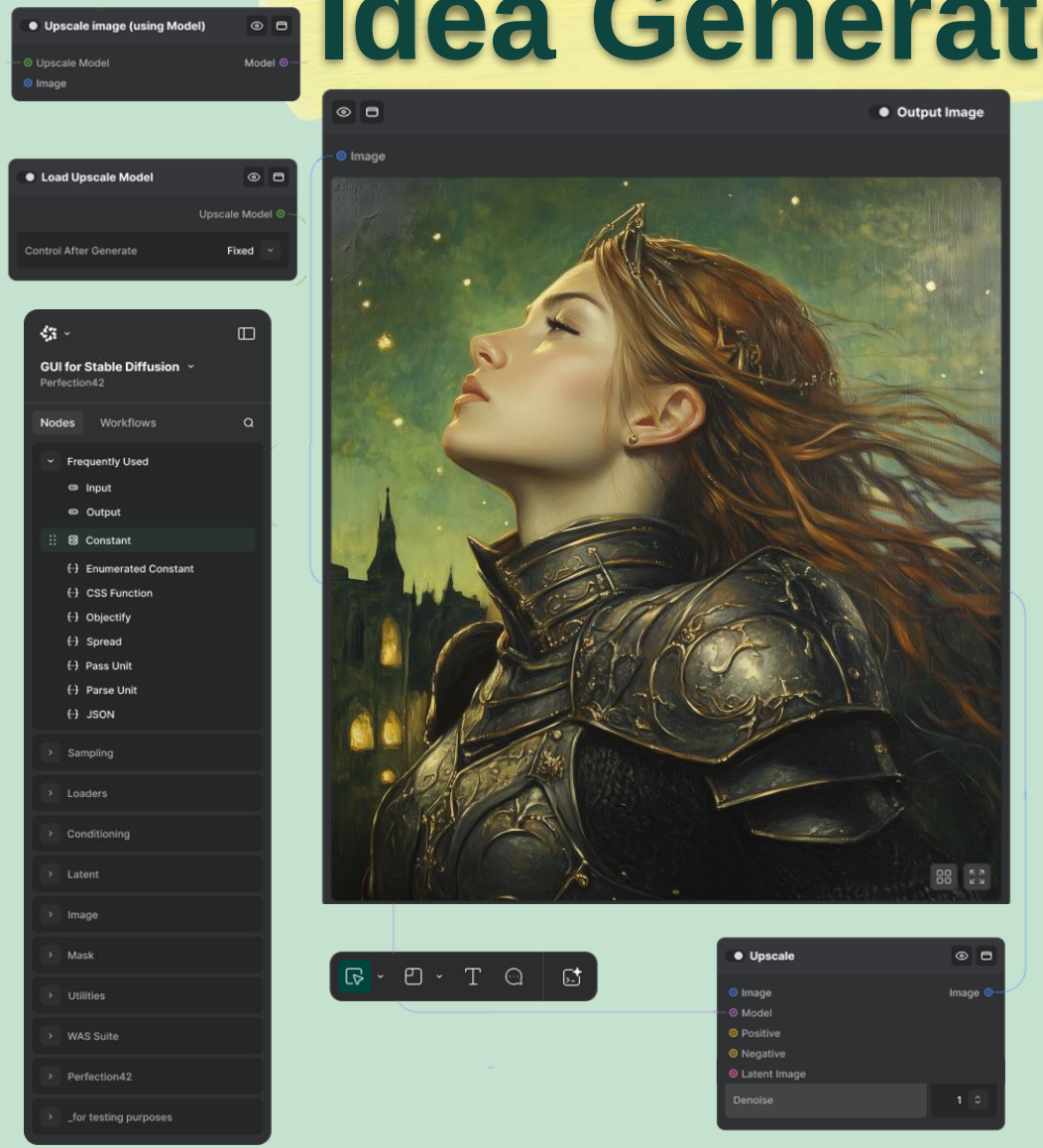
- Creation of custom visual pipeline automation at scale
  - Style transfer / Rotoscoping
  - Storyboarding from text and sketches
  - Inpainting / Out Painting
  - Video denoising
  - Custom image or video manipulations
  - Data automation
- Use of LLM’s (chatGPT, Llama) for the heavy data workflows
  - Data scan & compatibility analysis
  - Smart search
  - New idea generation
- And combination of both by using YOUR data

Inpainting

Style transfer

Storyboarding

Idea Generator

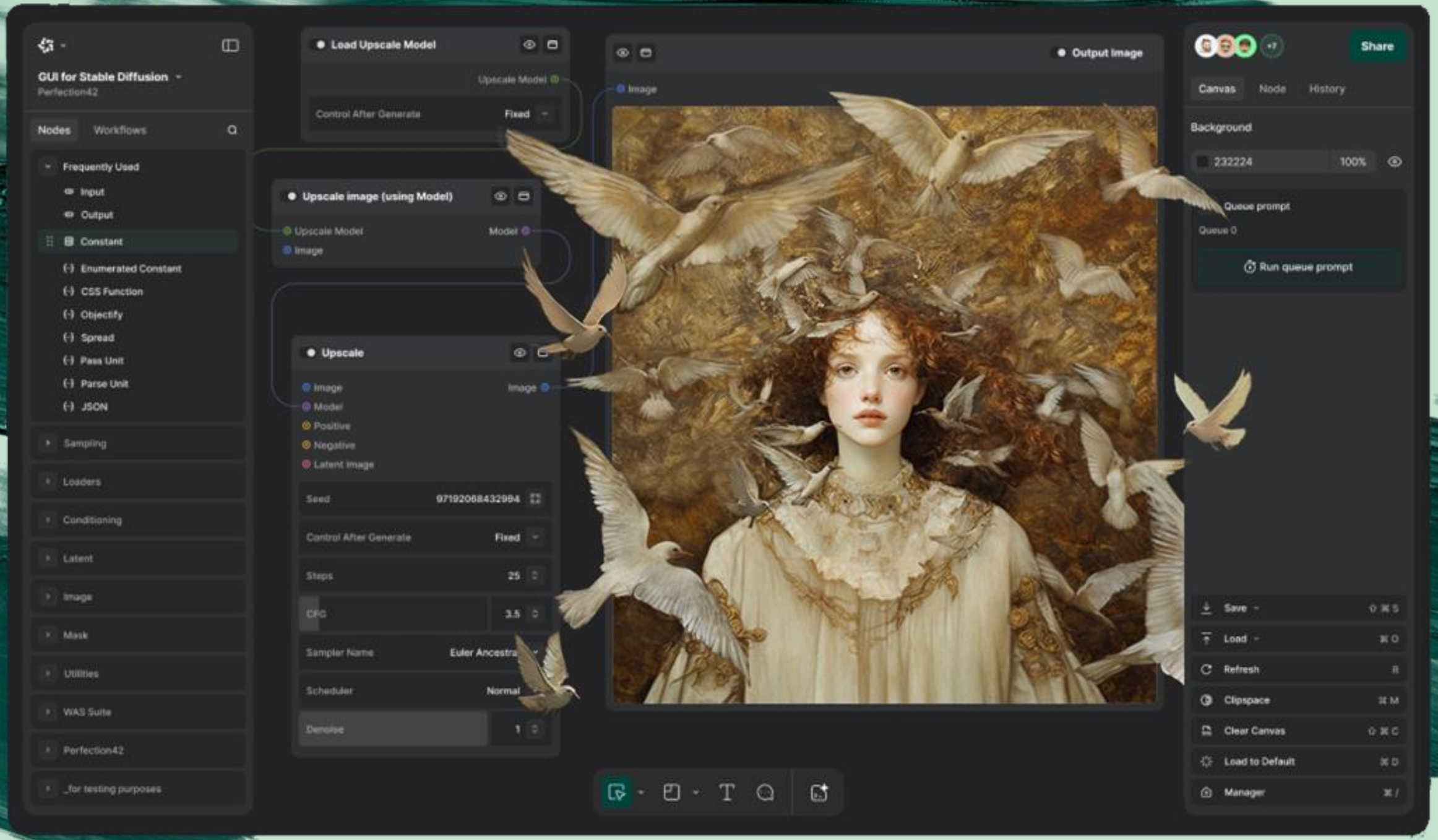


EU projects we are working on

- "Development of a specialised system"
  Rotoscopy, style transfer, genAI **1 646 000 EUR**
- "Development of an innovative product using open source data"
  LLM, data analysis, compatibility **140 000 EUR**
- Non technological process innovations for enterprise **151 000 EUR**
- "Skill Development for JSC Perfectionai Employees"
  Team skill development **25 627 EUR**

Funded by
the European Union

Innovation Agency
LITHUANIA


GUI for Stable Diffusion
Perfection42
Nodes
Workflows
Frequently Used
Input
Output
Constant
Enumerated Constant
CSS Function
Objectify
Spread
Pass Unit
Parse Unit
JSON
Sampling
Loaders
Conditioning
Latent
Image
Mask
Utilities
WAS Suite
Perfection42
_for testing purposes
Load Upscale Model
Upscale Model
Control After Generate
Fixed
Upscale image (using Model)
Upscale Model
Model
Image
Upscale
Image
Image
Model
Positive
Negative
Latent Image
Seed
971920868432994
Control After Generate
Fixed
Steps
25
CFG
3.5
Sampler Name
Euler Ancestra
Scheduler
Normal
Denoise
1
Output Image
Image
Share
Canvas
Node
History
Background
232224
100%
Queue prompt
Queue 0
Run queue prompt
Save
Load
Refresh
Clipspace
Clear Canvas
Load to Default
Manager

Competencies

Our Expertise for Your Project/Cluster:

- Expertise in using & combining in-house AI, GenAI & LLM’s
- Skilled in prompt engineering & training AI with client-specific needs
- Creative team with academic partnerships
- Modular system for fast iterations
- Hybrid cloud architecture for flexibility

Perfection42

Investors

LITHUANIAN BUSINESS ANGELS NETWORK

7OV

opencircle

COINVEST CAPITAL

Co-Founders

Simona Vasyte-Kudakauske
CEO
10+ years of product-building in gaming and fashion

Kestutis Tauckela CTO
20+ years of experience in the gaming industry

Key People

Tadas Goberis
ML Lead Engineer, LLM, RAG, and Transformer Specialist

Darius Rackauskas
Infrastructure Architect, 10+ years experience, Ex-Oracle

Peter Betenev Creative Director 20+ years experience with CG and VFX

Aiste Kanapickaite
Lead Artist, Sidabrinė Gervė recipient

Gabija Bakutyte
Partnerships Manager, Ex-Startup Founder

Rytis Kelminskas Head of Marketing, Multiple advertising, design and PR awards winner

Thank you

Success is built on relationships.
Let's build one together.

www.perfection42.com

Eva Brazdzionis
Global Partnerships and Project Lead
eva@perfection42.com
+370 685 66739

Gabija Bakutyte
Head of Business Development and Sales
gabija@perfection42.com
+370 698 32351

Tet (Latvia)

BIRUTA ELIZA AUNIŅA-KIRMUŠKA

ELIZA.AUNINA@TET.LV

www.tet.lv

Competencies

1. Our main activities

Connectivity (Internet, Data services, Quantum Safe Technologies)

Data Cloud (Tet Cloud solutions, Post Quantum Cryptography)

IT and Cybersecurity services

HPC & AI

Communication and Media services

2. Our expertise and skills we may bring to the project(s):

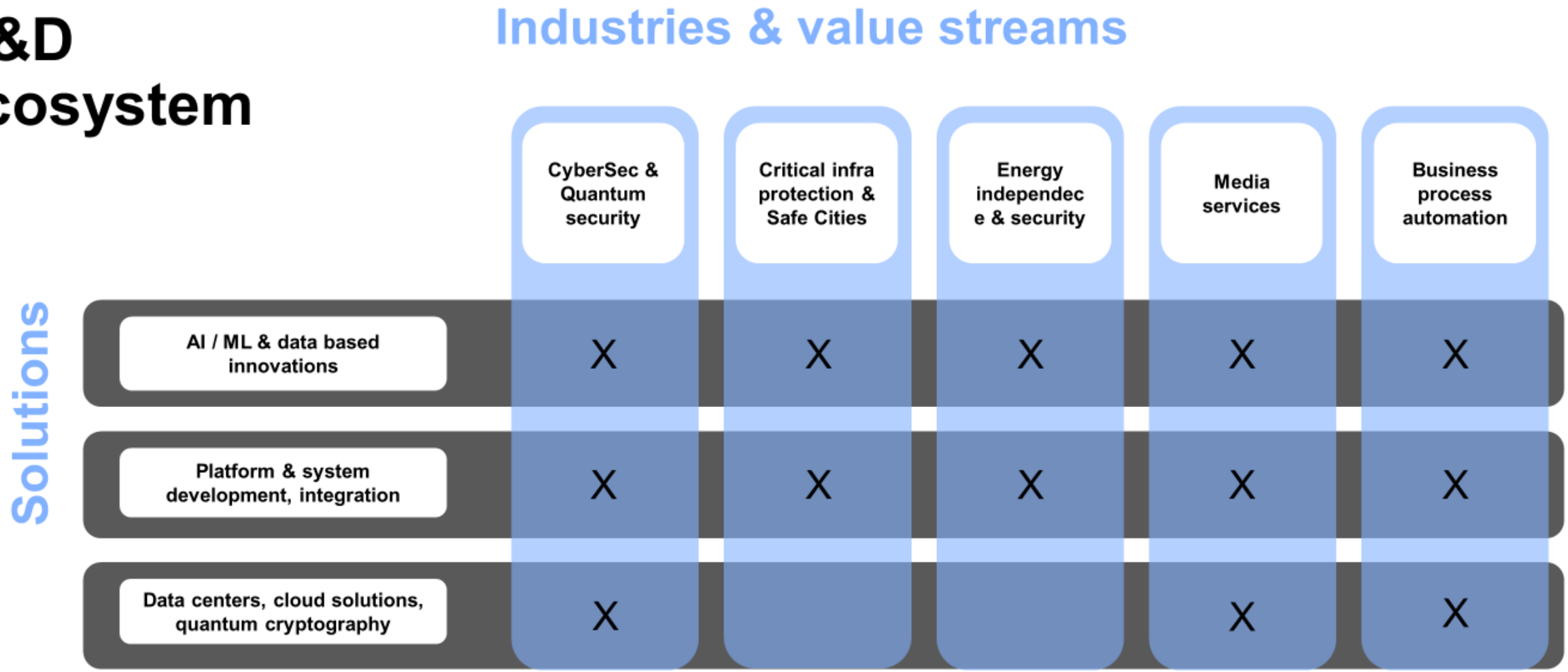
Tet operates **digital critical infrastructure.**

Tet owns and operates **secure data centres** that are certifies to high standards (TIER III, PCI DSS Level 1, ISO 27001). Tet offers a wide range of **cloud services,** providing scalable and flexible solutions to meet the needs of various businesses.

Data scientists and Certified Cybersecurity experts.

Development of Quantum Safe Technologies, pilots.

R&D ecosystem



Powerful Tet Cloud platform and world-class data centres

Private cloud

Hybrid cloud

Public cloud

High Performance Computing for AI models

VILNIUS GEDIMINAS TECHNICAL UNIVERSITY,
BUSINESS MANAGEMENT FACULTY
AURELIJA BURINSKIENE
AURELIJA.BURINSKIENE@VILNIUSTECH.LT

Competencies

1. Our main activities:

- Submission of project application
- Setup of Grant and Consortium agreements
- Management of Work packages and reporting deliverables

2. Our expertise and skills we may bring to the project(s):

- Project management
- Data management
- Dissemination, exploitation and communication management
- Awareness of Industry 4.0 technologies

SADALES TĪKLS

Largest Electricity Distribution System Operator in Latvia

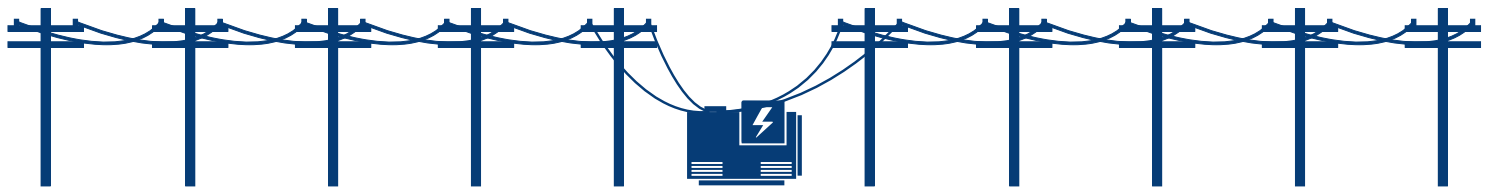
INNOVATION PROFILE

WHAT WE DO?

We provide uninterrupted, safe, and reliable power supply in line with the dynamic needs of our customers

GENERATION → TRANSMISSION

OUR FIELD



DISTRUBUTION

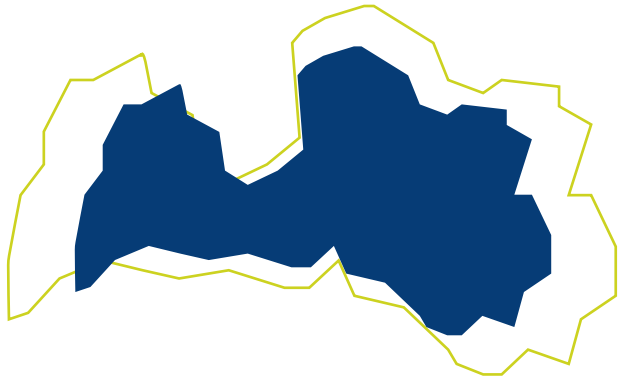
OUR INFRASTRUCTURE

93 000 km

Network length (0.4,10,20kV)

1 100 000

Metering points, covering 99% of area



1 660

Employees

OUR INFRASTRUCTURE

28

MAINTENANCE DEPOTS

WOODEN UTILITY POLE FACTORY

CENTRALIZED LOGISTICS CENTER

TRAINING FACILITIES

3

DISPATCH CONTROL CENTRES

METROLOGY LABORATORY

ACHIEVEMENTS

1st

Innovative Digital Tools

Own developed capacity map & power outage application: lowest network losses in Europe per km and per customer.

100%

Grid Observability

100% smart meter deployment enables prosumers monitoring, hosting capacity map, power quality map.

3rd

National Data Hub

Own developed open-source technology-based electricity market data hub: third DSO in Europe to implement Smart Grid KPIs.

99%

Connection Request Automation

99% of new connection request applications approved within 24h.

1st

ADMS

First DSO that is developing its own Advanced Distribution Management System.

100%

Network Health Index

100% of overground network inspection and asset monitoring with drones and satellite images by 2026.

EXISTING PILOTS

Technological development

Objective: testing new technologies for improved power quality with high renewable energy share

- BESS for low-voltage network voltage control
- Dynamic EV load management
- Different smart meter technologies

Process management

Objective: application of new technologies to optimize resource-intensive processes.

- Drone & satelite data analysis for vegetation management
- Remote sensing of utility poles decay
- AI-based electricity theft detection

Flexibility Services

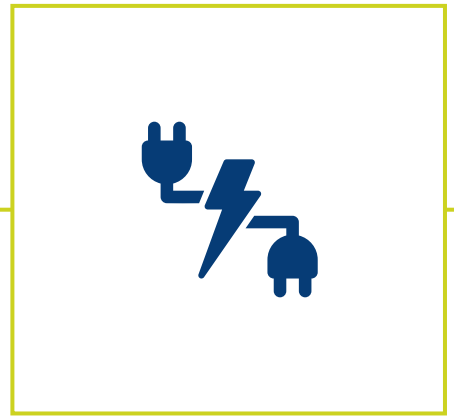
Objective: Boost cost-effective services and business growth through digital tech synergies

- Short-term load/generation forecasting
- Flexibility assessment & mapping
- Demonstration projects (EMS, V2G etc.)

OUR INTERESTS

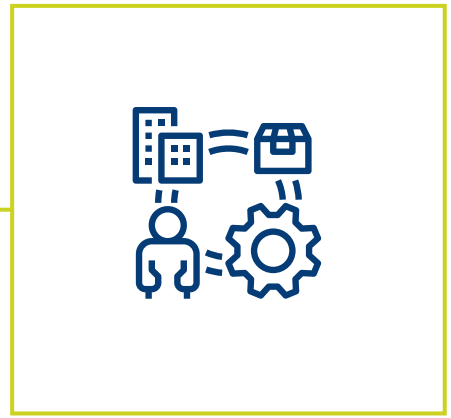
EXCHANGE OF EXPERIENCE

with other European electricity Distribution System Operators (DSOs) and **joint projects** with high social, environmental & technological value



ELECTRIFICATION

transport, industry, heating & cooling

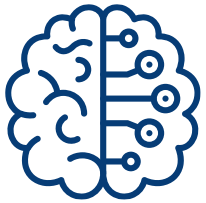


COOPERATION

in **research and development (R&D)** with various stakeholders: industry experts, academic staff and market participants

FUTURE R&D AREAS

AUTOMATED
network control



BIG DATA
Analytics and AI applications

RESEARCH
and piloting of new network planning tools

NETWORK
resilience against climate change & geopolitical risks

REMOTE
network inspection

FLEXIBILITY
services for RES integration

PARTNERSHIP

Remote sensing technologies | **Electricity grid resilience** | **Network planning** | **EV uptake**

INPASS
etra I+D
KONČAR DIGITAL
ICOOR
Suite5 We Deliver Intelligence
cenex
NORCE
CLEAN MOTION Zbee
SINTEF
UNIVERSITAT POLITÈCNICA DE VALÈNCIA
UPC UNIVERSITAT POLITECNICA DE CATALUNYA BARCELONATECH
AERSEA
SUNGROW Clean power for all
INSTITUT VEDECOM
UBITECH digitizing energy
POLITECNICO MILANO 1863
FundingBox
E.DSO SHAPING SMARTER GRIDS FOR YOUR FUTURE
Zaragoza AYUNTAMIENTO
RĪGAS DOME
VUB
enel X
EURO CITIES
Waltham Forest

WE OFFER

SMART METER & NETWORK TOPOLOGY:
for grid studies

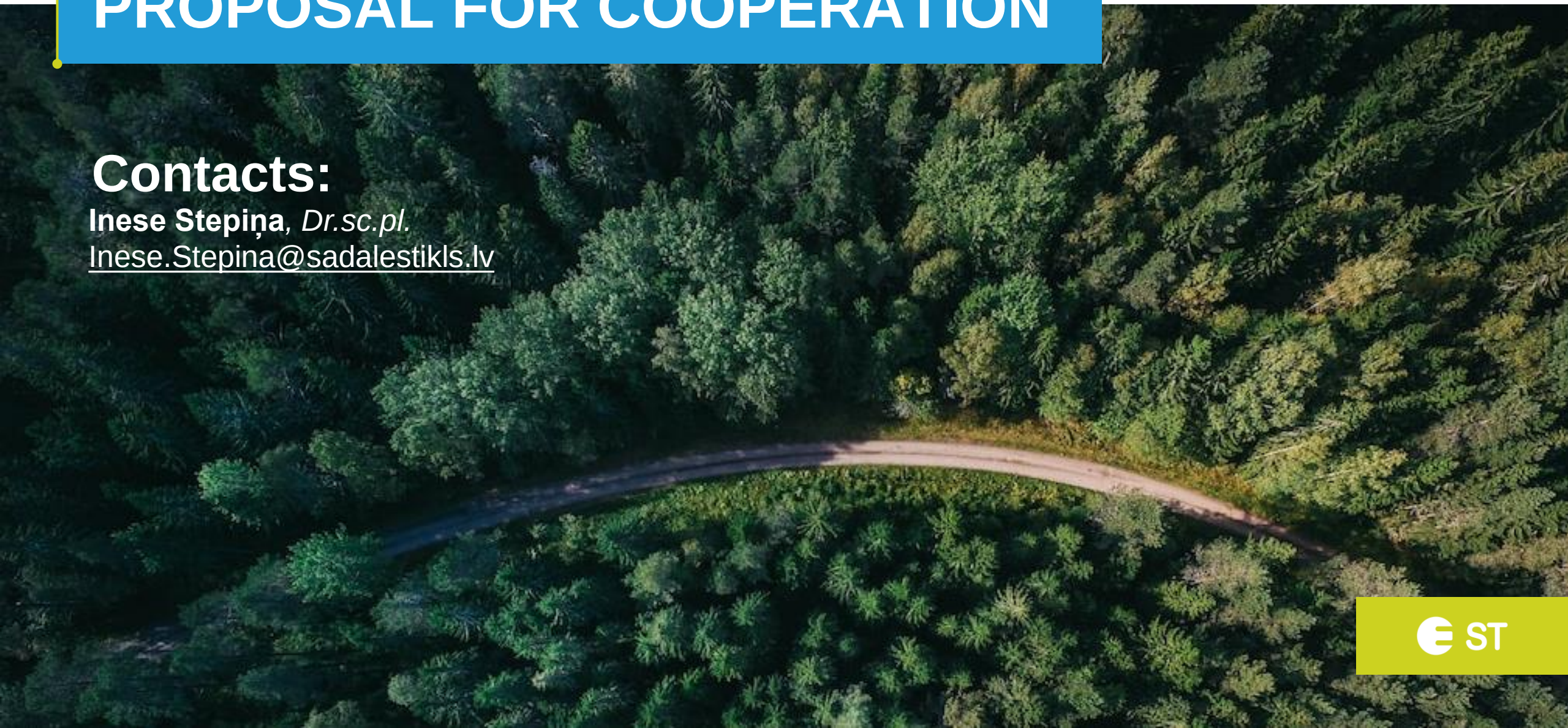
TEST-BED:
for new networks solutions

API*:
for energy market participants

IN-HOUSE PHD EXPERTISE:
for smart grids

*Application programme interface (API)

PROPOSAL FOR COOPERATION



Contacts:

Inese Stepiņa, *Dr.sc.pl.*
Inese.Stepina@sadalestikls.lv

A **reliable** AI algorithm for **high-stakes** predictions

Khuong An Nguyen (Associate Professor of Machine Learning)
Khuong.Nguyen@rhul.ac.uk
https://cml.rhul.ac.uk/

ROYAL HOLLOWAY UNIVERSITY OF LONDON

Challenges of using AI in EU grants

AI systems in **high-risk applications** should consider the following elements:

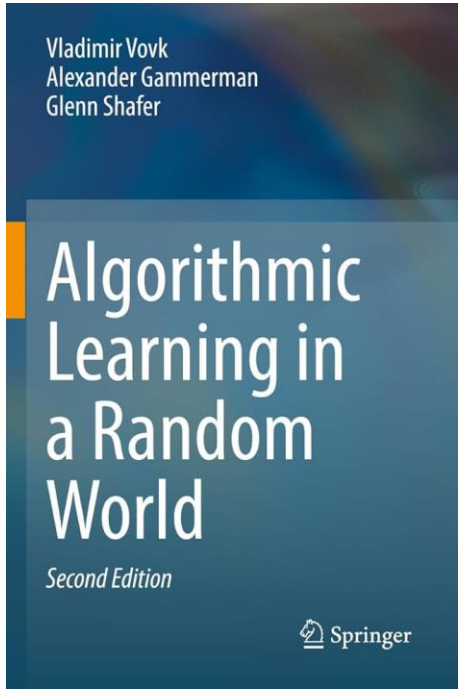
- are **robust** and **accurate**, or at least correctly **reflect their level of accuracy**;
- outcomes are **reproducible**;
- can **deal with errors** or **inconsistencies**.

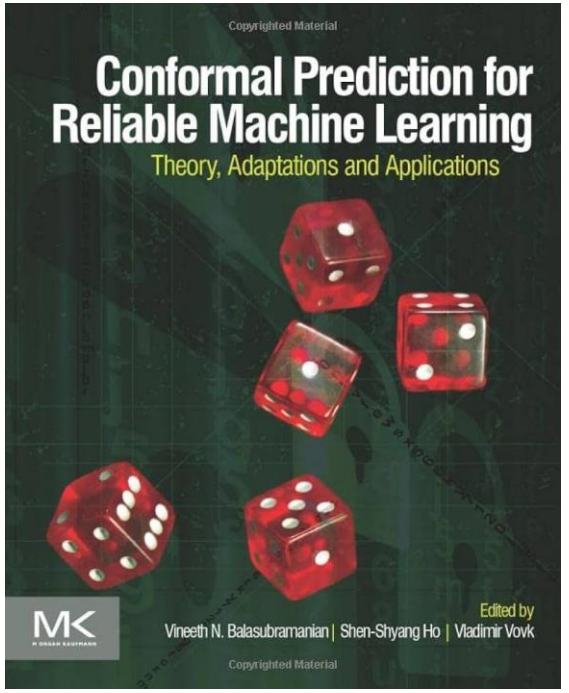
(White Paper : On Artificial Intelligence - A European approach to excellence and trust)

Conformal Prediction

ROYAL HOLLOWAY UNIVERSITY OF LONDON

- Provides **guaranteed** predictions with a **confidence measure**.
- Works with **any data distribution**.
- Runs on top of **existing AI models**.
- Doesn't require **model retraining**.
- https://en.wikipedia.org/wiki/Conformal_prediction





Demo

Medical Image Diagnosis v4

Choose file No file chosen

Diagnose with chatGPT

ChatGPT Prompt

You are an expert medical images analyser specialised in detecting signs of the following conditions in chest radiographs.
I will show you a radiograph, you will analyse it, and, using your internal knowledge, you will output the potential diagnoses.
Specifically, the diagnoses are:

- **"Cardiomegaly"**.
- **"Lung Opacity"**.
- **"Pleural Effusion"**.
- **"Edema"**.
- **"Pneumothorax"**.
- **"Enlarged Cardiomediastinum"**.

Do not describe the image, just provide the requested diagnosis. You may output more than one diagnosis.

Diagnose with CP

https://khuong.uk/flaskapp/

Industry applications

ROYAL HOLLOWAY UNIVERSITY OF LONDON

NASA

Noise prediction from non-axisymmetric jets, since 2014.

AstraZeneca

Drug discovery and synthesis, since 2017.

Ministry of Defence

Satellite image classification, since 2021.

NHS England

Respiratory disease diagnosis, since 2022.

NVIDIA

Objects recognition for self-driving car, since 2023.

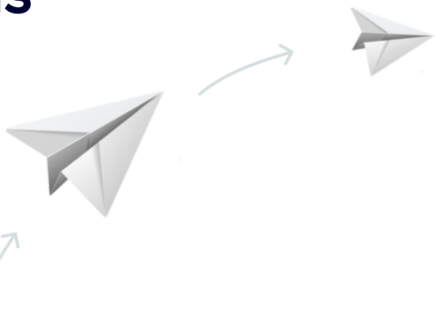
Achieve digital Nirvana
with ZenIS group

- Promises that are kept
- Humanity
- Long-term partnership

Roberts Dzenis, CEO
roberts@zenis.lv

www.zenis.lv

zenis



11% **of organizations are ahead of the competition**

89% **while others are falling behind**

Typical IT problems in the business


Unclear digitalization strategy


Don’t know where to start with the AI


Low or unclear IT ROI

instead

- **Solve the problems** and be ahead of the market.
- **Navigate** today’s fast-moving digital era.
- **Surpass the competition** and **set new standards** in your industry!

zenis

Solutions for your success

- Adopt AI

Save hours of looking for company data and automate customer support.

- Digitalize Your Business

Increase ROI, streamline processes and make informed data-driven decisions.

- Unhustle IT Operations

Cut IT costs and focus on what matters via platform outsourcing and getting the most of your IT.

zenis

Adopt AI

- Strategy & consulting
- Technical advisory
- Business forecasting, BI
- Secure Intelligent Assistants
- Personalized Chatbots
- MLOps support
- Anomaly detection

Become AI-ready

Digitalize Your Business

- Digitalization Strategy & advisory
- IT efficiency
- UX research & Prototyping
- Mobile development
- Enterprise software development
- E-commerce
- Systems integrations
- Cloud integrations
- Technical SEO
- Agile coaching

Grow digital maturity

Unhustle IT Operations

- Lean strategy
- IT audit
- QA as a service
- DevOps as a service
- CloudOps
- SecOps
- FinOps
- Cloud migrations

Focus on what matters

We will help to stay ahead of the market

Roberts Dzenis

Founder and CEO

- Makes processes simple, streamlined and feasible
- Simplifies the complex
- In 12 years of experience, he has worked with companies such as Decathlon, Robert Bosch, LMT, Ministries, EU organisations, etc.
- Experienced in the commercial, logistics, warehousing, insurance, e-commerce, auto motive and medical care industries.
- Loves what he does - With technology from the childhood

Uldis Karlovs - Karlovskis

Co-founder and CTO

- International IT conference speaker
- Former lead of 150 engineers
- In 20 years worked with SwissRe, Nordea, VHI, VW, Google and more
- Founder of the Latvia DevOps & Agile Community
- *Biggest project:* Accenture DevOps cloud platform with $800K/month run cost
- A muscle car driver and neverending learner

Zen IS - your dedicated digital partner, committed to your company's success at every step.

Our top priority is the sustainable growth of your company! At ZenIS Group, we empower you to gain full control of your IT. Let’s come together to explore how we can add significant value to your business and drive your success forward.

Adopt AI

Use case

Zen IS is delivering specialized technical consultations on AI technologies to LIAA for the business.gov.lv portal. These consultations encompass a wide array of expertise, including advanced technical know-how, AI regulation, AI ethics, cybersecurity, usability, and beyond, to facilitate the pragmatic adoption of AI.

Latvijas investīciju un attīstības aģentūra

Reference

The team of ZenIS.AI professionals made a quick assessment of the CloudSoul product capabilities, which provided us with invaluable feedback, allowing us to improve the product at an early stage. Their deep expertise and focus on long-term partnership make them a perfect partner for SMBs keen to Adopt AI and when building your own Personalized Chatbot.»

Vadim Fedorov

CTO of CloudSould

Digitalize Your Business

Use case

Optimized and digitalized the fulfillment process, resulting in Decathlon Latvia achieving the fastest fulfillment stats in the entire Decathlon global group.

Decathlon Latvia

Reference

Robert Bosch appreciates cooperation with ZenIS on their exceptional work in maintaining and developing our internal system. Technical knowledge, communication style, flexibility and work quality we value the most.

Ilvars Kļaviņš

Baltics IT subdivision manager

- Promises that are kept
- Humanity
- Long-term partnership

Unhustle IT Operations

Use case

One of the most impactful and successful digital democracy platform in the world, manabalss.lv has been going through replatforming project for more than a year without clarity on the slipping end date. Zen IS experts made a DevOps assessment of the project, processes, infrastructure and software. The identified technical gaps and inefficienes in the process led to several improvements and decreased cycle times. These efforts helped the project team to regain enthusiasm and finally finish the project!

ManaBalss.lv

Reference

Uldis played a pivotal role in kickstarting our journey towards DevOps culture and mindset by guiding us through the process and identifying root causes. His approachable nature and proactive, transparent communication style ensured that our project was led with clarity, alleviating any concerns that arose. Thanks to Uldis' experience in project leadership, his insights and knowledge were invaluable, contributing significantly to the success of our endeavors.

Kārlis Eglītis

Technology Riga Site Manager at SEB Global Services

zenis

- Promises that are kept
- Humanity
- Long-term Partnership

Book the no-strings-attached call now and let's talk

Contact Roberts

Roberts Dzenis
Founder and CEO

+371 26489042
roberts@zenis.lv

Contact Uldis

Uldis Karlovs-Karlovskis
Co-founder and CTO

+371 29 345 210
uldiskk@zenis.lv

MARS : MODELING OF AUTOMATED REASONING SYSTEMS

UNIVERSITY OF SOUSSE

PR. LOTFI BEN ROMDHANE

LOTFI.BENROMDHANE@ISITC.U-SOUSSE.TN

Project idea

1. The Project is named **“Calmi”:** the basic idea is to use Large Languages Models in the healthcare to develop a platform that can assist Medical Doctors and Patients in **Mental Health** ensuring data ***privacy*** and ***security***

- We have the following expertise in the field of AI
  - LLMs and Transformers in the healthcare
  - Machine Learning Algorithms

2. **Complementary skills we need in “Calmi”:**
   - AI Cybersecurity
   - Medical Doctors in Healthcare

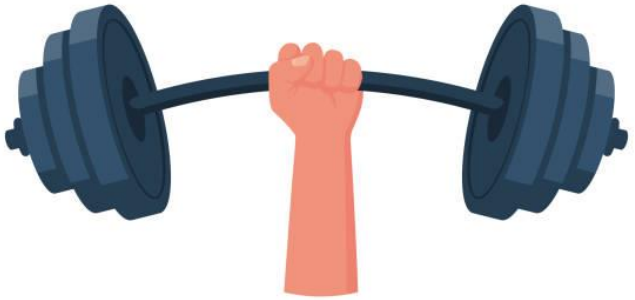
Idea of « Calmi »

1. **Medical « connected data »**
2. **Chat with the platform to infer « mental state »**
3. **Detect « Mental Health » state from the whole data**

Calmi

diagnosis

Our Expertise & Topics



- **Our Expertise :**
  - **Machine Learning / Deep Learning Algorithms and Arhcitectures**
    - Graph Neural Networks, Recurrent Neural Networks, Generative Adversial Networks
  - **Large Language Models in healthcare**
  - **Generative AI**
    - Image generation for Mindfullness, Text Generation for Mindfullness
- **Topics : AI & Generative AI**

How to contact us

Lotfi.Benromdhane@isitc.u-sousse.tn

+216 98825 794

Mendel University in Brno (Czechia)
Faculty of Business and Economics
Department of Informatics

František Dařena

darena@mendelu.cz

MENDELU

Competencies

1. Our main activities:

- development and innovation – addressing real-world problems with industrial partners and state authorities
- interdisciplinary research – teams of scientists and students involved in scientific projects
- education – bachelor to doctoral level university study programs

Competencies

2. Our expertise and skills we may bring to the project(s):

- software engineering activities
  - application development (web, mobile, augmented reality, chatbots...)
  - user interface design, user experience testing
  - data collection, management, visualization
- research in the field of machine learning, natural language processing, spatial data analysis, data warehousing, business intelligence, computer vision, also in specialized laboratories

Competencies

2. Our expertise and skills we may bring to the project(s):

- collaborations across various fields such as economics, finance, smart agriculture, or migration using informatics to solve complex problems
- education, training, and dissemination – developing training programs and educational resources, promoting project results, facilitating knowledge transfer

Examples of solved projects

- SQTrader – research and development of optimization solutions for asset management
- Analytical Platform 2.0 – platform for automated portfolio management using learning systems
- Research and development of an AI software platform for the digital office
- Greenhouse 4.0 – automated sustainable cultivation in the greenhouse using AI
- Artificial intelligence for geolocation projects – chatbot
- Multicriterial Text Analysis Software
- Smart Migration in the Czech Republic
- Collaborative decision making in the Metaverse
- Design and testing of a new generation of QI ERP information system

Further information

https://informatika.mendelu.cz/en/current-research-program

SIMAVI
Software Imagination & Vision

SOFTWARE IMAGINATION & VISION (SIMAVI)
Romania

DR. MONICA FLOREA,
Head of Unit European Projects

Monica.FLOREA@simavi.ro

Competencies

1. Our main activities:

- SIMAVI has strong experience in software development and participates in R&D projects as technological partner & integrator, as well as coordinator
- Over 70 HORIZON, DEP, EDF & ISF projects
- Coordinator for 10 Horizon projects
- Domains: Industry4.0, Circular Economy, Security & Cybersecurity, Energy, eAgriculture, Environment protection & Climate change, Immersive technologies for Training & Cultural Heritage, eHealth, Customised Applications, ERP & BI, eCustoms, and Government.
- Overview of technical involvement:
  - Platform development, integration and interoperability
  - AI/ML powered Software Tools, DSS and Analytics
  - AR/VR/XR development for awareness, field-support and training
  - User-center design (UX, UI, UJ)
  - Pilot Implementation with different stakeholders from Romania (Manufacturing, Telecom, Energy, Health, Research, Academia and others)

Competencies

2. Our expertise and skills we may bring to the project(s) on CL4:

- ICT platforms –> WhiteGoods Platform, Automotive Platform and collaborative Private Cloud Platform;
- Data collection tool from IoT & sensors;
- Open Repository for knowledge and data sharing;
- AI-based Decision Support System for manufacturing;
- AI-Analytics Designer targeted at sustainable consumption patterns;
- Digital Twins;
- Analytics tool – for process modelling, predictive downtime, failure, critical events;
- MaaS – Manufacturing as a Service;
- Augmented Reality (AR) based inspection and maintenance tool;
- Cybersecurity solutions (data encryption, authentication, authorization);
- Cloud to edge solutions.

HE Projects References on Circular Economy & Industry 4.0

ACCURATE

[Coordinator SIMAVI]

KYKLOS 4.0

MatCHMaker
Materials Characterisation & Modelling

NEMO

PREDICT 6G

Circ Thread

ZERO DEFECTS Manufacturing Platform ZDMP

FACTLOG

ReCiPSS

Email: Monica.FLOREA@simavi.ro

For more references, please access:
https://simavi.ro/en/rd-projects/

FIRAT UNİVERSİTY
AYSEGUL UCAR
AGULUCAR@FIRAT.EDU.TR

Project idea

1. Project idea and available expertise:

Human-robot interaction/collaboration for Humanoid robots, robotics arm

Generative AI, DRL, Explainable and Trustworthy AI

Heterogeneous robots, UAV, UGV, Autonomous vehicles.

Quantum Computing

2. Complementary skills we need in the consortium/project:

We seek partners with expertise in real-world application areas for humanoid robots, such as healthcare, education, or industrial automation, to help us implement and validate the systems in practical settings. Additionally, expertise in advanced sensor integration would be valuable to enhance the interaction between robots and humans, improving the overall system’s responsiveness and safety.

Competencies

1. Our main activities:Previous projects:

TÜBİTAK-Next level autonomy development for fast and robust disaster management using heterogeneous robots having multi-sensors in unstructured gps-denied environments: fielded human-robot interaction, multi-robot exploration and object searching, 2024-2026

TÜBİTAK, Development of a new deep learning algorithm for the training of humanoid robots,2018-2020.

Development of a real-time image-based system for human-robot interaction and collaboration, 2022.

Use and study of artificial intelligence for space applications,2023-cont.

Human tracking and road planning with a smart and autonomous unmanned aerial vehicle by using deep learning ,2018-2019.

2. Our expertise and skills we may bring to the project(s):

Human-Robot Interaction and Collaboration

Autonomous Systems and AI

Generative and Explainable AI

Multi-Modal Data Integration

Consortium Contributions

Use-case provider
Work-package leader
Task Leader
Coordinator




UNIVERSITY OF LATVIA

UNIVERSITY OF LATVIA / CENTER FOR QUANTUM COMPUTING SCIENCE

ABUZER YAKARYILMAZ

ABUZER.YAKARYILMAZ@LU.LV

UNIVERSITY OF LATVIA

Quantum Education and Outreach

1. We can be interested in the projects for teaching/training on quantum computing, algorithms, and programming in different school levels, universities, and people from the industry.
   a. We have experience in online and in-person events and courses.
   b. I am the founder of non-profit global network QWorld. We reached out 10K+ people from all around the world with 200+ activities under my leadership (2009-2024)
2. Complementary skills we need in the consortium/project:
   a. Training experiences in middle and high schools or industry
   b. Project writing, project management, project bureaucracy, forming consortium

UNIVERSITY OF LATVIA

Competencies

1. Our main activities:
   a. Theoretical aspects of quantum information
   b. Quantum algorithms and computing
   c. Quantum communication and cryptography
   d. Quantum education & outreach
2. Our expertise and skills we may bring to the project(s):
   a. Research, training, outreach
   b. Tutorial/module preparation
   c. Event design and implementation

ZEUS CONSULTING-HORIZON EUROPE 2025

DR. NIKOS BOGONIKOLOS

EMAIL: INFO@ZEUSCONSULTING.COM

Smart Urban Spaces for Sustainable Mobility and Energy Transition with AI and Digital Twins

1.Project Idea and Available Expertise: AI and Blockchain Integration: Zeus Consulting specializes in integrating Artificial Intelligence (AI) with blockchain to create secure, transparent, and scalable solutions. We address ethical concerns like data ownership, privacy, and security, making AI systems more responsible and future-proof. **Applications Across Sectors**: We apply these innovations in sectors such as healthcare, finance, and smart cities, focusing on enhancing mobility, energy systems, and urban sustainability.

2. Complementary Skills We Need in the Consortium: Blockchain Developers: Experts to help build decentralized data management systems.AI Ethicists and Data Scientists: Specialists in responsible AI deployment and ethical challenges.Industry Partners: Particularly in healthcare and finance for pilot projects and real-world applications.Regulatory Experts: To help navigate compliance and data security regulations.

Competencies and Expertise

Our Main Activities:

AI and Blockchain Development: Creating cutting-edge, AI-powered solutions with secure blockchain technology.

Data Integrity and Security: Ensuring privacy and traceability in AI-driven systems.

Ethical AI Solutions: Addressing key issues such as transparency, accountability, and responsible AI governance.Collaboration

Across Sectors: With a focus on innovation in healthcare, finance, and urban sustainability

Our Expertise and Skills We Bring to Projects:

Artificial Intelligence Development: Machine learning, automation, and AI model optimization.

Blockchain Integration: Developing decentralized frameworks for managing data integrity and security.

Innovation and Ethical AI Deployment: Addressing both technical and ethical challenges of AI adoption.

Strategic Collaborations for Horizon Europe

Zeus Consulting is actively seeking strategic partnerships for project proposals under the Horizon Europe program. Through collaboration with its extensive European Network, Zeus Consulting aims to establish synergies that ensure the successful execution of proposed research projects. We are committed to building strong partnerships that drive innovation and deliver impactful results across various sectors.

HORIZON EUROPE DIGITAL TECHNOLOGIES BROKERAGE EVENT

THANK YOU!

Latvian Council of Science

Estonian Research Council

RCL
Research Council of Lithuania