



**Innovation, Quality, Delivery on Time**

**Success** is enabled by:  
**Competence, Quality and Confidence**

## Applied Research Department

Mixing Science, Teamwork and Know-How to Drive Business Value

Success relies on  
**INNOVATION**



Achieve high  
**QUALITY**



Work with the right  
**TECHNOLOGY**

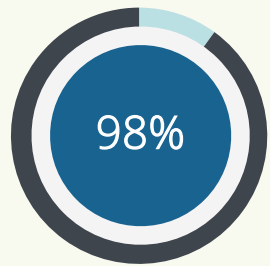
## Applied Research Department



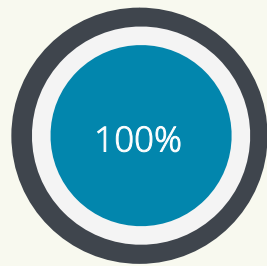
We are focused on creating innovative software solutions that respond to business and society future-proof interests

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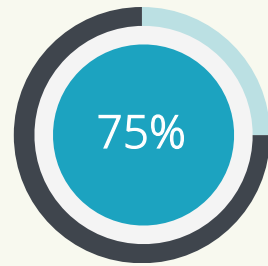
## Key Facts



EU partners



Completed  
research projects



Seniors in our  
R&D teams



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## Innovation Services

### Research Services on Demand



Companies are given the opportunity to work on tactical innovation topics beyond the realms of their company structures.

- ☐ Develop and improve products
- ☐ Develop and improve technologies
- ☐ Analyze markets and advise on innovations

### EU-Funded Research and Innovation



Some challenges are so complex and multifaceted that the best solution can only be achieved through cooperation of several partners.

- ☐ EU-Research Projects
- ☐ Joint Research Projects
- ☐ Networking: Work Together

### Venture Partnership



ROPARDO has broad practical experience and a strong will to launch the solutions developed successfully on the market.

- ☐ Know How and Technology Transfer
- ☐ Investment Options and Cooperation
- ☐ Incubation and Acceleration

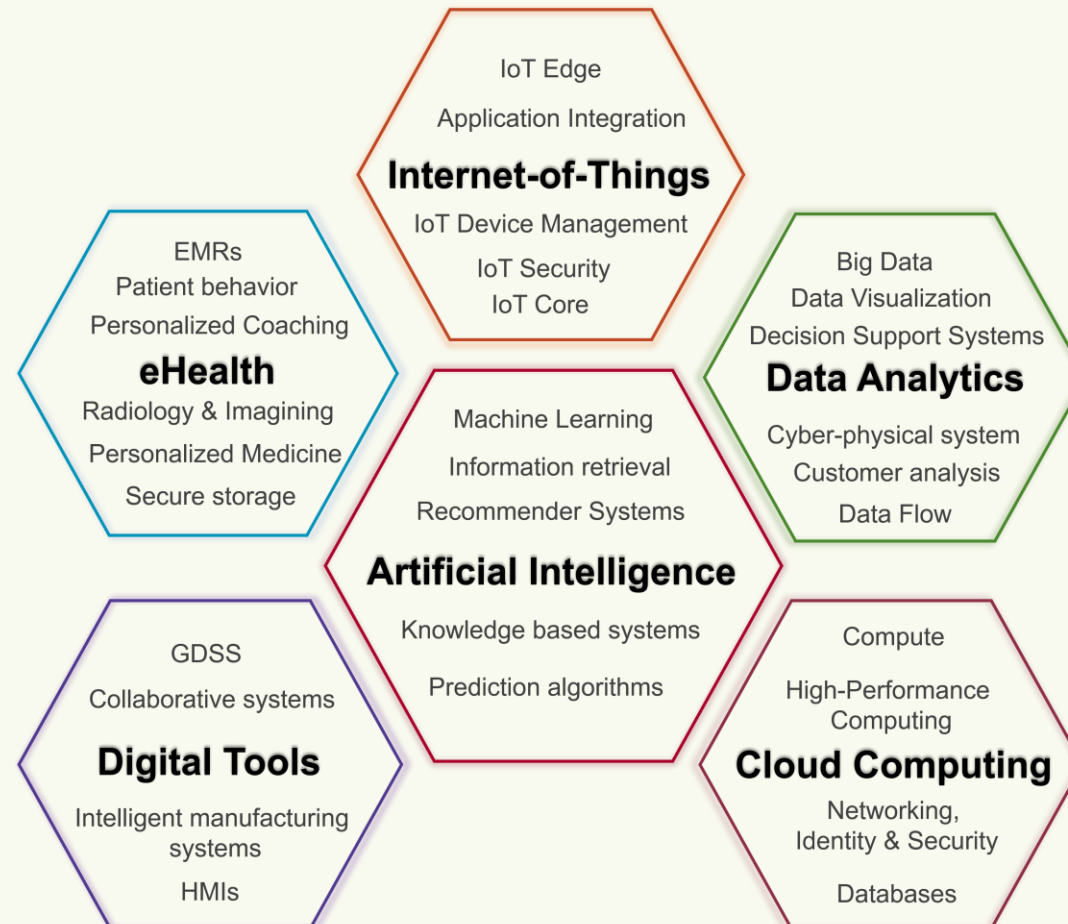
### Innovation Lab



Organizations benefit from a toolbox of proven methods, tools, and competences, as well as a lab infrastructure ensuring Rapid Prototyping.

- ☐ Digital Tools & AI
- ☐ Cloud & API
- ☐ Internet of Things

## Our Focus Areas



## Applied Research Department

# Our Focus Areas: a Closer Look

We develop innovative software solutions  
which translate the results of our applied research projects into real life

AI and ML	Data Analytics	Cloud computing	IoT	eHealth	API Platform	Digital Tools
<input type="checkbox"/> <b>Information retrieval</b> <ul style="list-style-type: none"> <li>• User Profiling</li> </ul> <input type="checkbox"/> <b>Knowledge discovery</b> <ul style="list-style-type: none"> <li>• Intelligent agents</li> <li>• Ontologies</li> </ul> <input type="checkbox"/> <b>Machine Learning</b> <ul style="list-style-type: none"> <li>• NLP</li> <li>• TensorFlow</li> <li>• Apache MXNet</li> </ul> <input type="checkbox"/> <b>Knowledge based systems</b> <input type="checkbox"/> <b>Prediction algorithms</b> <input type="checkbox"/> <b>Recommender Systems</b>	<input type="checkbox"/> <b>Big Data</b> <input type="checkbox"/> <b>Data Flow</b> <input type="checkbox"/> <b>Data visualization</b> <input type="checkbox"/> <b>Customer Analysis</b> <input type="checkbox"/> <b>Decision Support Systems</b> <input type="checkbox"/> <b>Cyber-physical system</b> <ul style="list-style-type: none"> <li>• Transform data flows into information flows</li> </ul>	<input type="checkbox"/> <b>Compute</b> <ul style="list-style-type: none"> <li>• Scalable VMs</li> <li>• PaaS for apps</li> <li>• Containerized applications</li> </ul> <input type="checkbox"/> <b>High-Performance Computing</b> <input type="checkbox"/> <b>Databases</b> <ul style="list-style-type: none"> <li>• Cloud SQL</li> <li>• NoSQL</li> <li>• Memory Store</li> </ul> <input type="checkbox"/> <b>Networking, Identity and Security</b> <ul style="list-style-type: none"> <li>• VPC networking &amp; VPN</li> <li>• IAM</li> <li>• Proxy – Gateways</li> </ul>	<input type="checkbox"/> <b>IoT Core</b> <ul style="list-style-type: none"> <li>• Connect Devices to the Cloud</li> </ul> <input type="checkbox"/> <b>IoT Security</b> <input type="checkbox"/> <b>IoT Device Management</b> <ul style="list-style-type: none"> <li>• Onboard, Organize, and Remotely Manage IoT Devices</li> </ul> <input type="checkbox"/> <b>IoT Edge</b> <input type="checkbox"/> <b>Application Integration</b> <ul style="list-style-type: none"> <li>• Message Queues</li> <li>• Message Broker</li> <li>• Push notification</li> </ul>	<input type="checkbox"/> <b>Electronic medical records</b> <input type="checkbox"/> <b>Radiology and Imaging</b> <input type="checkbox"/> <b>Secure storage</b> <input type="checkbox"/> <b>Patient behavior and sentiment data</b> <input type="checkbox"/> <b>Personalized Medicine</b> <input type="checkbox"/> <b>Personalized Coaching</b>	<input type="checkbox"/> <b>ZivaCare API</b> <ul style="list-style-type: none"> <li>• Connects and collects health data from any device, sensor and wearable</li> </ul> <input type="checkbox"/> <b>ArdoCare API</b> <ul style="list-style-type: none"> <li>• Secure APIs powering actionable healthcare</li> </ul> <input type="checkbox"/> <b>RoboFuse API</b> <ul style="list-style-type: none"> <li>• Support IoT teams with robust API</li> </ul> <input type="checkbox"/> <b>Developer Portal</b> <ul style="list-style-type: none"> <li>• Enable developers and API teams with a turnkey self-service platform.</li> </ul>	<input type="checkbox"/> <b>CSCW and GDSS</b> <ul style="list-style-type: none"> <li>• Collaborative systems</li> <li>• Teamwork</li> <li>• Group decision support</li> </ul> <input type="checkbox"/> <b>Intelligent manufacturing systems</b> <ul style="list-style-type: none"> <li>• Industry 4.0</li> <li>• Enterprise logistic - tracking and tracing</li> <li>• Collaborative virtual environment – AR/VR</li> </ul> <input type="checkbox"/> <b>Human-Machine Interaction</b> <ul style="list-style-type: none"> <li>• UX/Interface/Display Design</li> <li>• Humans, computers and work</li> </ul>

## Differentiators

**WHAT**  
makes us  
a good partner

- High experience in international R&D projects
- Broad expertise in on-going innovation developments co-financed by the EU
- Strong relationships with academic and industry partners
- Extended technical & industry know-how
- Project management capacities and experience
- Transfer of innovations into applications



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## Industries

Full lifecycle R&D and support services,  
proven processes (Agility RPM) and dedicated engineering teams



Financial Services  
and Banking



Healthcare and  
Fitness



Communication



Manufacturing  
and Logistics



Health &  
Pharma



Real Estate



e-Commerce



Automotive



Travel & Tourism



Retail and POS

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### Latest Projects



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#### NESTORE

Innovative personalized coaching system dedicated to elderly to promote healthy ageing.

#ecoach #wellbeing  
#intelligentsupportsystem



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#### MAYA

Multi-disciplinary integrated simulation and forecasting tools for automotive industry.

#manufacturing #automotive  
#cyberphysicalsystems



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#### PEGASO

Personalized guidance services for optimizing teen-agers' lifestyle through awareness, motivation and engagement.

#healthawarenesss #mobilesolutions  
#wearablesintegration

## Innovate with Us

Let's get disruptive and tackle research challenges together




## Applied Research Department



## Contact Us

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