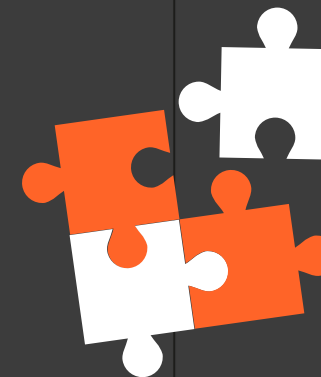


# EDIH-DIGIMAT

Kateřina Matýšková  
19<sup>th</sup> October 2023



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Náskok  
v inovacích

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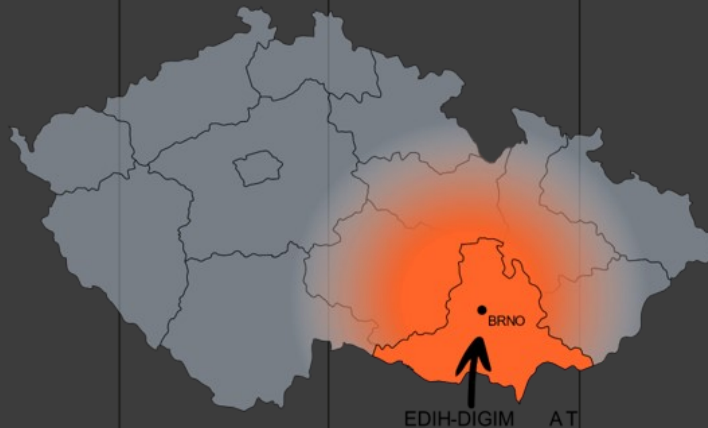
Flexible Manufacturing Systems Using Artificial Intelligence

### intemac▶▶

Inspiration/education activities and expert consultations

### JIC

Ecosystem activities, networking and financing support



 Effectivity®

Skills, training and workshops

 VYSOKÉ UČENÍ  
TECHNICKÉ  
V BRNĚ

Test before Invest

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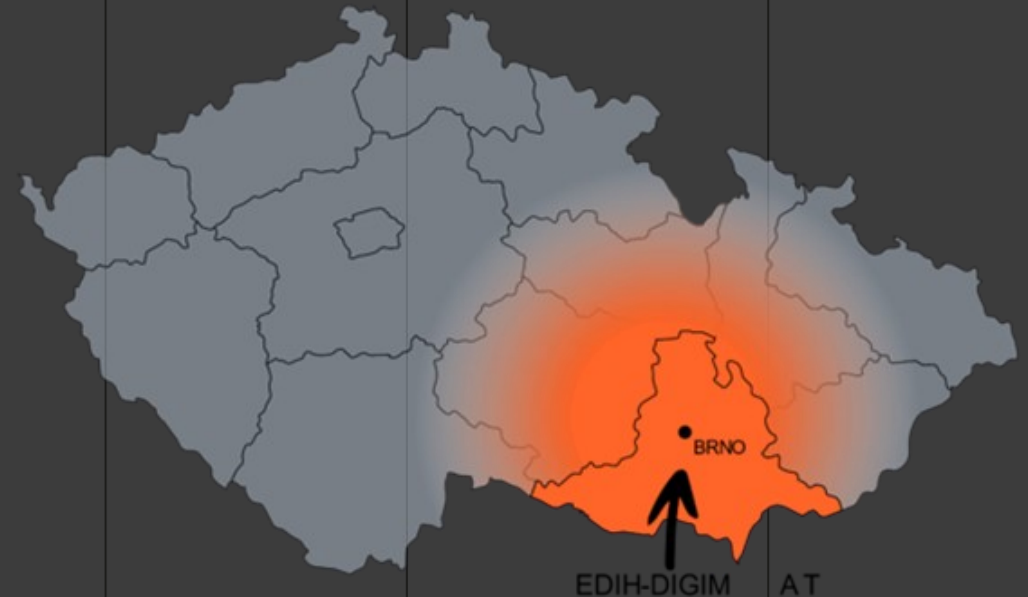
## EDIH-DIGIMAT

Project Duration: 01/01/2023 – 31/12/2025

Kick-off Meeting: 18/01/2023

Budget: 2 692 469.89 EUR

Target Groups: SMEs, small mid-caps



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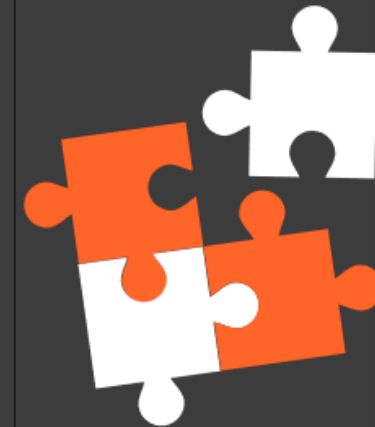


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### Governance Structure:

- **Advisory Board** (1/per year)
- **Executive Board** (1/per six months)
- **Project Management Meeting** (12/per year)



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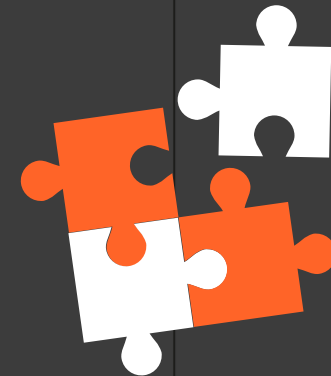
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Services



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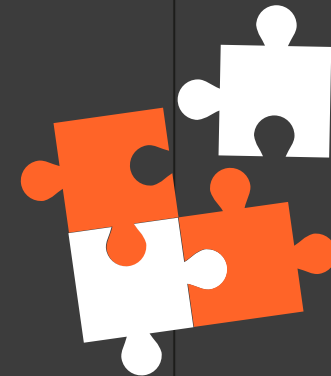
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## INTEMAC Services



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### Consulting

Digitalisation and Processes | Automatization | Sustainability



### Training

Seminars and Workshops | Academy of Digital Transformation



### Shared Space and Labs

Office | Laboratory | Conference Room

### Testbed

Demonstration | Proof of Concept  
R&D and Testing



### Community

Know-how | Partnership



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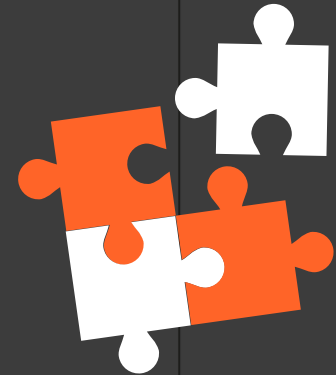
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# EFFECTIVITY

## Services



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- Academy of Digital Transformation
- Practical Workshops
- Benchmarking Visits



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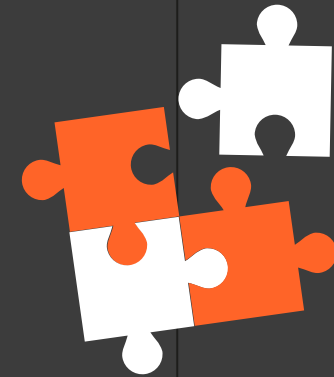


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## BUT CEITEC Services



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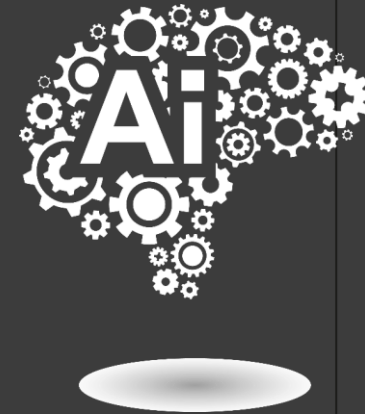
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- Test before Invest
- Experiments in Testbed



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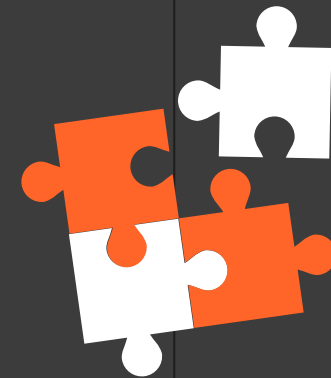


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Náskok  
v inovaciích

JIC  
Services



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- Finance Advisory
- Consultancy



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## EDIH-DIGIMAT TECHNOLOGY PARTNERS

# Náskok v inovacích

<p><b>ABB s.r.o.</b> Industrial and collaborative robotics.</p>	<p><b>InspectorAI services s.r.o.</b> INspectorONE - Quality control using AI.</p>	<p><b>Renishaw s.r.o.</b> Equipment for measuring the accuracy of production machines and their products.</p>	<p><b>Effectivity s.r.o.</b> Consulting services in process optimization.</p>
<p><b>AMTECH, spol. s r.o.</b> Collaborative robotics, industrial automation integrator.</p>	<p><b>Invanta s.r.o.</b> Using AI-detected cameras to ensure workplace safety.</p>	<p><b>Sevio Networks s.r.o.</b> RTLS - location platform for tracking materials, equipment and people.</p>	<p><b>CEITEC - VUT Brno</b> Background for testing and experimentation before investing.</p>
<p><b>B+R automatizace s.r.o.</b> Control elements for industrial automation.</p>	<p><b>Kinalisoft, s.r.o.</b> Test-it-off - fully autonomous system for quality inspection without direct assistance.</p>	<p><b>Schneider Electric CZ s.r.o.</b> SW and HW for monitoring and controlling electricity consumption.</p>	<p><b>Adaptica s.s.</b> ERP system QI.</p>
<p><b>AYES s.r.o.</b> Augmented reality, AR/XR products and SW support.</p>	<p><b>Konica Minolta Business Solutions Czech, spol. s r.o.</b> Automatic visual quality control with AI.</p>	<p><b>SCHUNK</b> Components for robotic gripping.</p>	<p><b>Aiviro s.r.o.</b> SW automation of routine activities.</p>
<p><b>Festo, s.r.o.</b> Measurement of compressed air consumption and its diagnostics.</p>	<p><b>MAINWARE s.r.o.</b> Interactive digital machine maintenance tutorials using augmented reality.</p>	<p><b>Siemens, s.r.o.</b> Products for building the digital twin of production systems.</p>	<p><b>Avito s.r.o.</b> Synccdat - inovativní ETL řešení pro integraci dat.</p>
<p><b>Compas automatizace, spol. s r.o.</b> Industrial automation integrator, MES, digital twins.</p>	<p><b>mySCADA Technologies s.r.o.</b> Digitalization, automation and optimization of company production processes.</p>	<p><b>Smart Product Solution s.r.o.</b> Smart applications for optimization in internal logistics including WMS.</p>	<p><b>B2A</b> B2A system for mobile paperless production.</p>
<p><b>FRAVEBOT s.r.o.</b> FRUIT And VEgetable roBOT - automation of fruit picking.</p>	<p><b>Nikatron, s.r.o.</b> Savee - the smart lighting optimization solution.</p>	<p><b>SmartVision</b> SW/HW products using AI for defect detection and robotics.</p>	<p><b>Better industry s.r.o.</b> IoT machine and process data collection, production visualization.</p>
<p><b>GABEN, spol. s r. o.</b> Industrial all-in-one terminals.</p>	<p><b>Opticontrol, s.r.o.</b> Modular assembly systems.</p>	<p><b>SolidVision, s.r.o.</b> 3D scanners, printers and experience platform for PLM.</p>	<p><b>GIRITON Systems s.r.o.</b> Attendance system with link to ERP systems.</p>
<p><b>Harmonic drive</b> Precision gearboxes and servo drives.</p>	<p><b>Pekat s.r.o.</b> SW and HW quality control with AI and machine vision.</p>	<p><b>intemac Solutions s.r.o.</b> Technology and Innovation Centre of South Moravian Region.</p>	<p><b>GreyCortex s.r.o.</b> SW for security in IT networks using AI.</p>
<p><b>Honeywell, spol. s r.o.</b> Paperless maintenance and inspection using outsourcing.</p>	<p><b>Pimpel, s.r.o.</b> Virtual twin of CHECKIRB4 - optimization for machine tools.</p>	<p><b>JIC, zájmové sdružení právnických osob</b> Supporting people in business development.</p>	<p><b>intecs data, s.r.o.</b> Modern data analytics using PowerBI.</p>

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## EDIH-DIGIMAT TECHNOLOGY PARTNERS

# Náskok v inovacích

 <b>3Dees Industries s.r.o.</b> Introducing innovative technologies into production processes.	 <b>LaserTherm spol. s r.o.</b> Automated robotic workstations with laser source for tech. operations.	 <b>Weem Solutions, s.r.o.</b> SW solution for quality assurance in production processes.
<b>BECKHOFF</b> <b>Beckhoff Automation s.r.o.</b> Automation technology, activators and transport systems.	 <b>LB-acoustics Messgeräte GmbH</b> Measurement, control and test systems in the field of noise and vibration measurement.	 <b>Zapsi s.r.o.</b> MES monitoring and data collection from production and operational technologies.
 <b>Cerebrica s.r.o.</b> APS systems interacting natively with stream data.	 <b>MCAE Systems, s.r.o.</b> Industrial 3D technologies - 3D printing, 3D measurement and CAD/CAM.	 <b>Jetveo s.r.o.</b> Lowcode applications from CRM, WMS, ERP, CMS customized.
 <b>Del a.s.</b> Assessment of "digital maturity", design of optimal solution.	 <b>NBN Elektronik s.r.o.</b> Supplier of measuring equipment, vibration and dynamic force sensors.	
<b>DMG MORI</b> <b>DMG MORI Czech s.r.o.</b> Innovative CNC machines - lathes, milling machines, advanced technologies.	 <b>SAFIBRA, s.r.o.</b> Development, production and sales of photonics and fibre optics products.	
<b>FANUC</b> <b>Fanuc</b> Robotic warehousing, laser cutting and welding.	<b>T-Mobile</b> <b>T-Mobile</b> Private SA 5G networks for industrial environments.	
 <b>Hexagon Metrology s.r.o.</b> Automated 3D scanning and measuring equipment.	 <b>TEMEX, spol. s r.o.</b> Control systems for control of production technologies.	
 <b>Kentigen s.r.o.</b> Machine control automation, robotics, test machines and MV.	 <b>Zemědělské družstvo Rpety – DAKEL</b> Development and manufacture of acoustic emission (AE) equipment and diagnostic systems.	
 <b>KEYENCE International (Belgium)</b> Sensors, measuring systems, laser markers.	 <b>SVMTech s.r.o.</b> Noise and vibration measurement and vibration testing equipment.	
<b>KUKA</b> <b>Kuka AG</b> Assembly lines, collaborative and non-collaborative manipulators.	 <b>SMC Industrial Automation CZ s.r.o.</b> Pneumatic elements for industrial applications.	

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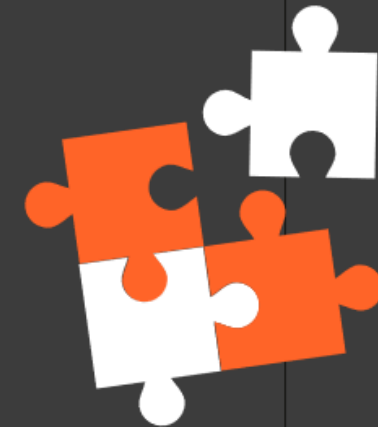


### National Cooperation:

- **EDIH OSTRAVA** (VSB – Technical University of Ostrava, Czech Republic)

### International Cooperation:

- **EDIH AI<sub>5</sub>production** (Vienna, Austria)
- **EDIH SCDI** (Bratislava, Slovakia)
- **EDIH Hub<sub>4</sub>Industry** (Krakow, Poland)
- **AI EDIH** (Budapest, Hungary)
- **Flanders AI EDIH** (Kortrijk, Belgium)
- **EDIH Zuid-Nederland** (Eindhoven, Netherlands)



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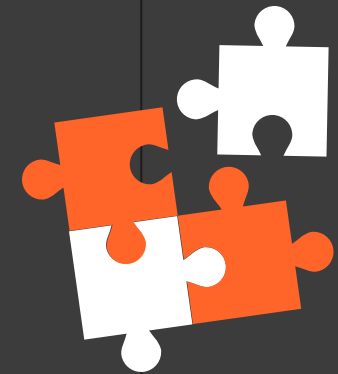
Let's help the Ukrainian companies  
to **connect and grow.**

Thank you for your attention.

Kateřina Matýšková

[www.intemac.cz](http://www.intemac.cz)

[www.edih-digimat.cz](http://www.edih-digimat.cz)



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