

edih

NORTHEAST

Digital Revolution

Utilize the services of the European Digital Innovation Hub Northeast Bohemia (EDIH NEB), primarily for the Liberec and Hradec Králové regions. At EDIH NEB, we support small and medium-sized businesses up to 499 employees, and public organizations in implementing digital technologies.

EDIH NORTHEAST MISSION

The transfer of digital technologies and know-how from universities and research centers to small and medium-sized enterprises and public organisations to foster their development.

MAIN BENEFITS OF THE PROJECT

- **Expert support and consulting in digitisation:** Technical University of Liberec, VÚTS, University of Hradec Králové, National Cluster Association, Aricoma.
- All **advice, testing, and implementation of digital technologies** in one place, with **services and education on digitisation** topics or assistance with **grant management**.
- Services related to digitisation are **discounted by 70-100%** from the market price.

DIGITAL AMBULANCE

The digital ambulance is a free consultation service. Depending on the chosen topic, you will be connected with a consultant and offered appointment times for an in-person or online consultation. The consultation lasts for 1 hour.



Consultation topics:

- Digitalisation
- Financing



← **Schedule a consultation, registration is simple.**

EDIH NORTHEAST CONSORTIUM MEMBERS

The consortium consists primarily of entities from the Liberec and Hradec Králové regions, led by the Regional Development Agency.

Examples of offered services, digital technologies, and partner contacts at EDIH Northeast:



Central project coordination, expert support and networking, digital ambulance, grant management

ARR - Regional Development Agency, Ltd.

Central contacts on the last page

U Jezu 525/4, 460 01 Liberec IV | www.arr-nisa.cz/en



Consulting on digitalisation, digital academy, networking, grant management

Josef Lochman | +420 720 404 198 | lochman@cirihk.cz

Regiocentrum Nový pivovar, Soukenická 54, 500 03, Hradec Králové | www.cirihk.cz



AI, IoT, mixed reality, robotics, 3D printing, electromobility and battery power

Jan Kočí | +420 725 578 591 | jan.koci@tul.cz

Studentská 2, 461 17 Liberec 1 | www.cxi.tul.cz/en



Digital twin, machine vision and learning, 3D scanning, and reverse engineering

Jan Kolník | +420 608 821 807 | jan.kolnik@vuts.cz

Svárovská 619, 460 01 Liberec | www.vuts.cz/en

IoT, sensors, SMART solutions

Richard Cimler | +420 723 068 569 | richard.cimler@uhk.cz

Advanced data analysis, modeling and simulation, desktop systems and mobile applications

Tereza Otčenášková | +420 723 608 409 | tereza.otcenaskova@uhk.cz

Digitisation in Archaeology and Archiving

Ladislav Rytíř | +420 608 614 544 | ladislav.rytir@uhk.cz

Rokitánského 62, 500 03 Hradec Králové | www.uhk.cz/en



Cyber-attack simulation, penetration testing, information security services

Aneta Mrázková | + 420 773 741 013 | aneta.mrazkova@aricoma.com

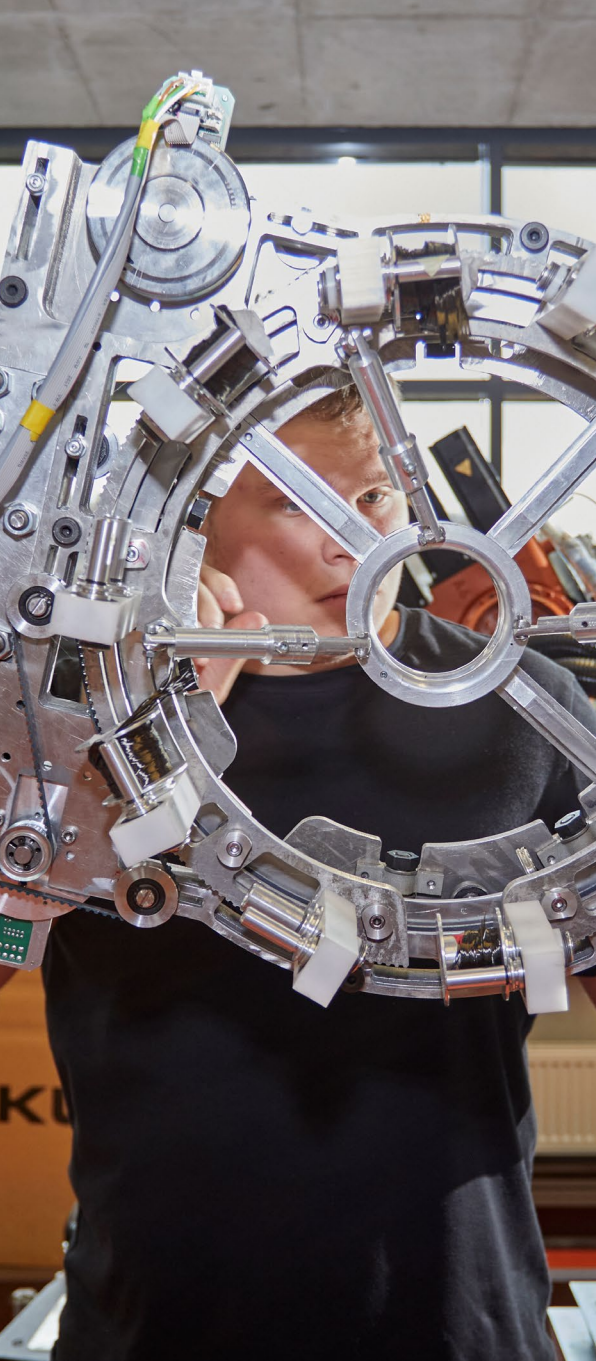
Voctářova 2500/20a, 180 00 Prague 8 | www.aricoma.com



Cybersecurity, coordination of a cluster environment consisting of companies, research centres, universities and other innovation ecosystem actors

Ivo Říha | +420 775 282 431 | riha@nca.cz

Technologická 372/2, 708 00 Ostrava - Pustkovec | www.nca.cz/en



PRIVATE SECTOR

Examples of offered digital technologies:

Production Digitisation

- Industrial application of voice and image recognition. Automation of processes dependent on voice or image processing.
- Machine vision and learning, digital twin for design and implementation of machines for industrial enterprises.
- Robotics, cloud robotics, robotic swarm, collaborative robots.
- 3D printing and 3D scanning, reverse engineering, creation of digital models, technology verification, construction and structure selection support.
- Internet of Things (IoT), Industrial Internet of Things (IIoT). Sensors, data transmission and evaluation, monitoring.
- Electromobility and battery sources.

Data Management

- Advanced data analysis, data processing, modeling, and simulation.
- IoT, sensors, data transmission and evaluation, monitoring, remote access, and cloud.

Cybersecurity

- Cybersecurity audits, testing polygon, penetration tests, risk analyses, simulated attacks.
- 5G networks.

Business Digitisation

- Desktop systems, mobile applications, computer graphics, and data visualization. Economic consultancy, IT solutions, customer behavior analyses, market research.
- IoT, sensors, smart solutions.

Our client:

**STARTUP | SMALL AND MEDIUM-SIZED COMPANY
WITH UP TO 499 EMPLOYEES**



PUBLIC ADMINISTRATION

Examples of offered digital technologies:

Smart Municipality

- Energy-saving measures (dispatching of sensor measurements).
- Smart solutions for municipalities, cities, regions – expert advice on public administration digitisation, process electronicisation, communication, and security.

Safety and Health of Citizens

- Testing of public administration system security (cybersecurity for cities, municipalities, schools, hospitals, contributory organizations).
- Creation of evacuation plans (modeling and visualization), construction monitoring (chimneys, retaining walls, etc.).
- Smart pads or watches for real-time monitoring of vital functions – for hospitals, nursing services, retirement homes, etc.

Digitisation in Archaeology and Archiving

- Identification and digitisation of archaeological research, including 3D documentation (converting archaeological research documentation into digital form).
- Digitisation and 3D reconstruction of the structure of collection items (museums, galleries).

Our client:

REGION | CITY | MUNICIPALITY | CONTRIBUTORY
ORGANIZATION | SCHOOL | HOSPITAL |
RETIREMENT HOME | NURSING SERVICE

CENTRAL CONTACTS EDIH NORTHEAST

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EDIH Northeast Bohemia



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EDIH Northeast



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**Co-funded by
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**CZECH
RECOVERY PLAN**



**Funded by
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NextGenerationEU