

## Case 3 - DIGIMAT (Czech Republic) – access to prototyping facilities service

[DIGIMAT](#) (Czech Republic) is a candidate EDIH and a platform that develops and implements digital technologies in manufacturing SMEs with a regional focus in South Moravia. Supporting more than 40 local SMEs on an annual basis, DIGIMAT offers services that include needs analysis, design of tailor-made solutions and their final implementation in the area of robotics, micro/nano electronics, cybersecurity and HPC. At the same time, the hub significantly contributes to the implementation of the national strategy focused on Industry 4.0, [Společnost 4.0](#), in close cooperation with the [National Center for Industry 4.0](#), NCP 4.0.

DIGIMAT was launched as part of the European Commission's [I4MS initiative](#), which aimed to facilitate the introduction of digital technologies in manufacturing companies. After pilot testing, the DIGIMAT consulting program was successfully launched in 2017, which is managed and coordinated by the [INTEMAC center](#). The hub offers SMEs access to the benefits and services of the [DIGIMAT program](#), a consulting program tailored to the needs of manufacturing SMEs offering, among others, access to the latest digital technologies and prototyping facilities. With the support of a wide [range of experts](#), SMEs are offered [several services](#) including the opportunity to enhance the useful properties of their manufacturing machines and benefit from top-quality measuring instruments and software. In addition, the hub offers access to [INTEMAC Centre's autonomous production units](#) that include test and demonstration workplaces where advanced technologies are developed; some of these include adaptive machining process, cloud monitoring of efficiency, augmented reality for a quick overview of the SMEs' workplace condition and predictive diagnostics of key components of the machining centre. Finally, the hub has launched the [DIH^2 project](#) through which Czech manufacturing companies have the opportunity to raise up to EUR 248,000 for their project based on the use of robots in production.

### Example of service provided to SME

DIGIMAT DIH has recently supported a regional Moravian SME, ACE Tech, specialising in the field of production of precision parts of metalworking. The company needed support in assessing and analysing the incorporation of robots in the production chain through their installation to the SME's existing machines in order to create unmanned machines and a frictionless production process. With the hub's support the SME installed a terminal to the machines in order to track the production workflow and digitalise the control process of the metals production. Eventually, the company decided to invest in new machine tools according to the analysis conducted and the production process specifications. This led to significant reduction in production times and all costs related to the production process.