



## AIRISE – AI applications in manufacturing

1 Quality assessment on the basis of production data,  
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2 Laser cutting in production,  
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### Using AI for more efficiency in production

Efficiency in production is largely determined by process time and non-productive times. The focus is on preventing errors and detecting quality deviations at an early stage, two aspects that benefit greatly from artificial intelligence (AI). The use of preconditioned models with minimal training can quickly lead to initial results. In many cases, however, industry faces challenges both identifying data sources as well as selecting and applying them in an industrial environment.

### Individual support in using AI

The AIRISE project supports users by identifying suitable data sources, implementing sensor systems and data interfaces and using AI-based analysis results to optimize production. Across the entire value chain, defining objectives and monitoring success are at the center of the activities.

### AI in production

Engineers with expertise in both manufacturing and AI look at the current issues in their company's manufacturing environment and then outline solutions that they then pursue together with the company's employees.

Jointly developing AI applications strengthens the employees involved as well as the entire company; it involves everyone affected when the AI solution envisaged is implemented. Based on the ALTAI procedure developed at European level, this process is adapted to the specific conditions and needs of small and medium-sized enterprises (SMEs) as part of AIRISE.

Companies can access this program via public calls for proposals at [www.airise.eu](http://www.airise.eu). AIRISE is supported by the EU with funds from the Horizon Europe research program under the funding code GA 101092312.

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