

**AIDEAS**

# **Industrial Equipment Use Suite**

**Use your machines easily**

## DESCRIPTION

Go beyond the minimal data input. Take advantage of fast machinery condition evaluation and early anomaly detection. Streamline your processes, while also guaranteeing product quality and defect-free production.

Get AI technologies that bring added value to the user. This suite ensures optimal installation and adaptive control of industrial equipment.

From initial calibration to automated visual inspections, these solutions streamline your production processes from the user perspective.

For equipment manufacturers, these solutions also support a guarantee of product quality and defect-free production, ensuring heightened operational efficiency and reliability.



## MAIN BENEFITS

- **Shortens installation times and costs**
- **Speeds up the defect localization process**
- **Automates the Machine Calibration Process**
- **Reduces scraps, waste and rejected goods**

## SOLUTIONS INCLUDED

**AIDEAS Machine Calibrator (AIMC):** Get AI to speed up your calibration process for your equipment, for the first time or when a re-calibration is needed.

**AIDEAS Condition Evaluator (AICE):** Determine the real-time condition of your machine as a whole or its components, when it is in working conditions in the plant.

**AIDEAS Anomaly Detector (AIAD):** Detect anomalies from component-level to the entire machine when it is in working conditions in the plant.

**AIDEAS Adaptive Controller (AIAC):** Embrace our advanced toolkit to train models with measurement data and seamlessly train your machine controllers to accommodate any machine condition and requirement.

**AIDEAS Quality Assurance (AIQA):** Elevate your quality monitoring and enjoy a comprehensive set of features designed to enhance your product quality.

## USE CASE

Here's [D2Tech](#), a CNC equipment manufacturer for the stone sector, struggling to handle the complexity of the natural stone, of which the quality cannot be controlled, and with the machine's optimisation reduce installation time.



Using the **AIDEAS Industrial Equipment Use Suite**, D2 Tech will be able to **increase machine performance by 50%** and **decrease the time and skills required to calibrate the machine by 80%**.

Moreover, this suite will enable them to **reduce energy consumption, maintenance costs and machine downtime**. This will grant the company the possibility to increase their turnover rate, increase turnover exports and relocate operations to new markets.

## LEADING DEVELOPERS



The AIDEAS project has received funding from the European Union's Horizon Europe programme under grant agreement No 101057294.

**AIDEAS**

**Speed up your  
production  
process**