



Improving operational efficiency of industrial machines

Elmodis provides a complete system (both hardware and software) that allows full monitoring, diagnostics and prediction of machines' technical condition and helps optimize the way they are operated, using technology based on the analysis of electrical measurements of the machine.

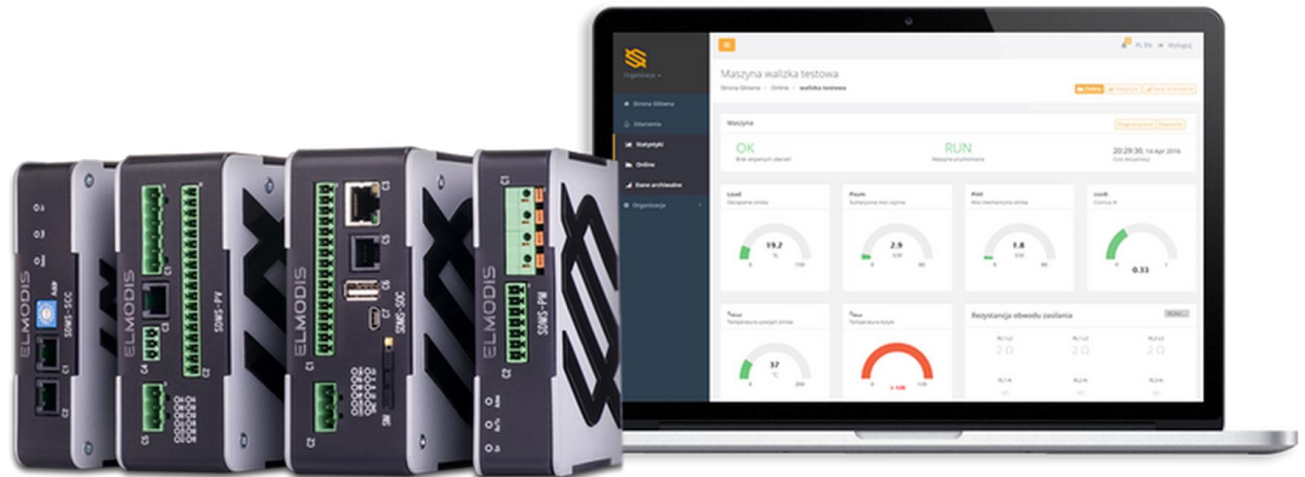
The real time diagnostics is conducted with special algorithms using ADEC technology that enable early detection of potential risks related to the machine operation.

The system consists of dedicated devices used for monitoring and diagnostics of electric-powered machines. Unlike other solutions available on the market, Elmodis technology is based mainly on the measurements of

current and voltage of the monitored machine. The analysis performed with Elmodis system enable identification of key parameters that describe the condition of the monitored machine. Elmodis devices are installed on the power supply without any interference with the wiring system of the machine.

Measurement data is stored in Microsoft Azure Cloud, which provides the client with permanent access to information about the equipment condition. Additionally, an integrated Power BI reporting environment enables creating personalized reports and analytic results based on the gathered data. Authorized persons can safely access reports and visualized data of the equipment condition using a web browser via various types of devices (laptop, tablet, smartphone).

- ✓ Asset digitization
- ✓ Predictive maintenance with Machine Learning algorithms
- ✓ End-to-end solution



TARGET INDUSTRIES



Manufacturing



Smart Cities



Energy



Mobility

MONITORED MACHINES



Industrial fans



Pumps



Gears



Conveyor systems

BUSINESS AUDIENCE



Chief Operations Officers



Inspection Managers



Maintenance Teams



Financial Directors

HOW ELMODIS WILL HELP YOUR COMPANY

REDUCE ENERGY CONSUMPTION

- decrease energy losses by providing information about technical and operational conditions of the machinery
- increase machine efficiency by delivering information about power supply disturbances
- improve process efficiency by exact correlation of technical machinery

ENHANCE PRODUCTIVITY

- increase Overall Equipment Effectiveness by high consistency of processed data from different sources
- decrease downtime by PdM based on analysis of high quality data
- avoid quality deterioration with built-in Machine Learning algorithms

INCREASE LIFETIME OF ASSETS

- improve Total Productive Maintenance by benchmarking and diagnostic insights
- decrease repairing costs by diagnosing failures before they happen
- check and improve maintenance and inspection quality based on reliable data