

Plug&Cut

Check the health of your processes from past data Easy service for manufacturing SMEs

D2 Online Service for process behavior analysis

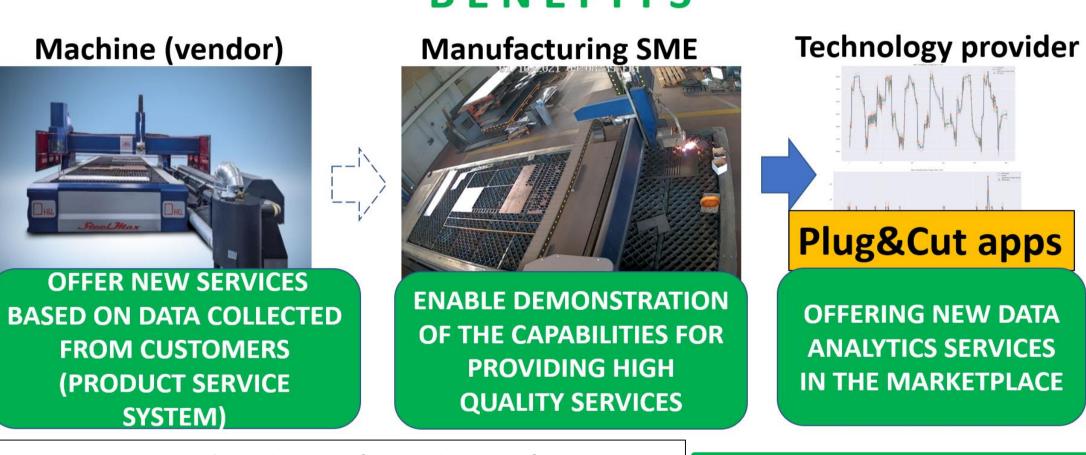
- Automated detection of phases in plasma cutting operation from energy consumption data
 - useful for understanding how stable a machine is operating
- Provides process outlier and variation analysis from the manufacturing data.
 - useful for understanding usual/normal behavior of a machine

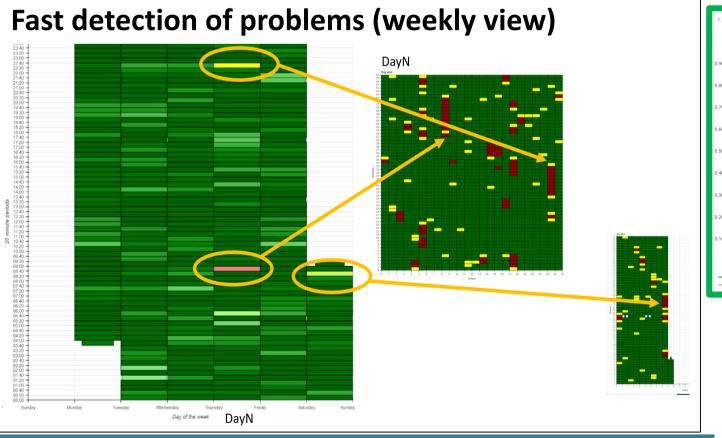
Features

Simple usage: just upload files with past data

Instant outcome: the analysis is ready in a minute

Deep analysis: new methods for multivariate outlier and variation detection incl. their root causes **Guided exploratory analysis**: start inspection from the weakest parts of the process



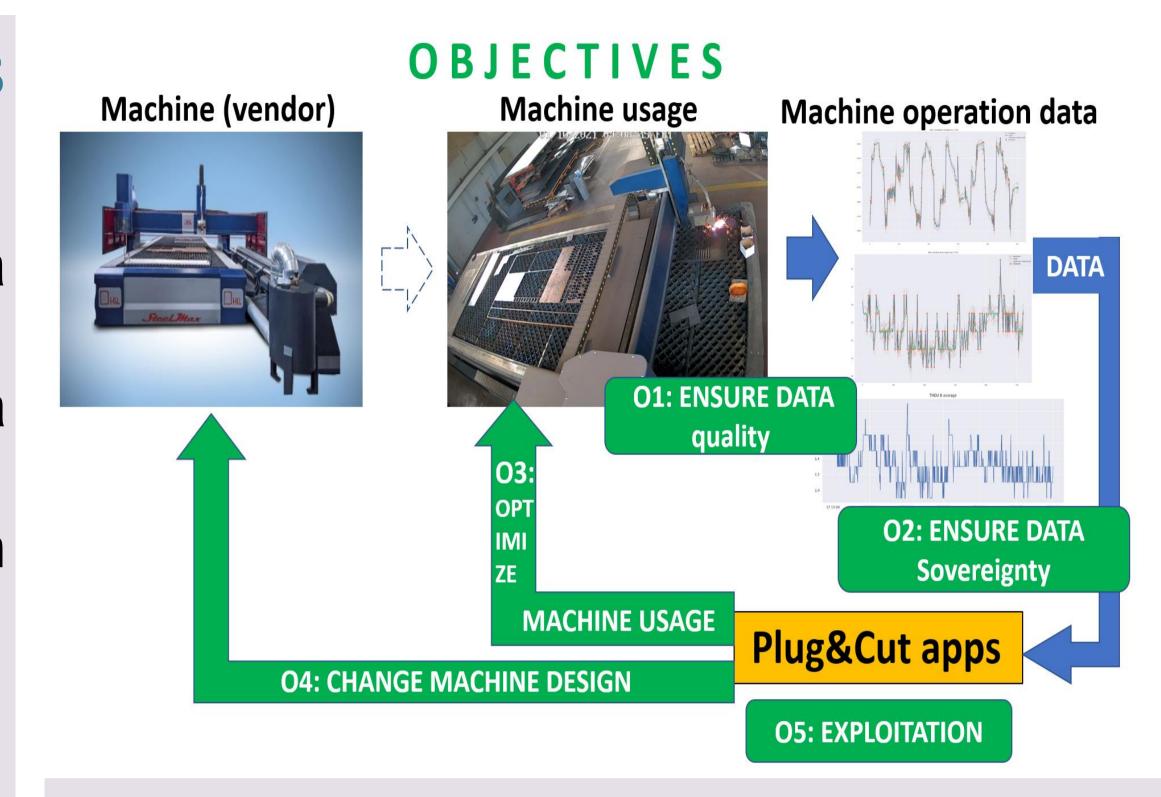


This work has been performed in the context of the Plug&Cut project, an open call #1 winner of the H2020 MARKET4.0 project (market40.eu), with participation of

- Nissatech, www.nissatech.com
- > EMDIP, www.emdip.com

Acknowledgment

Netico, www.netico-group.com



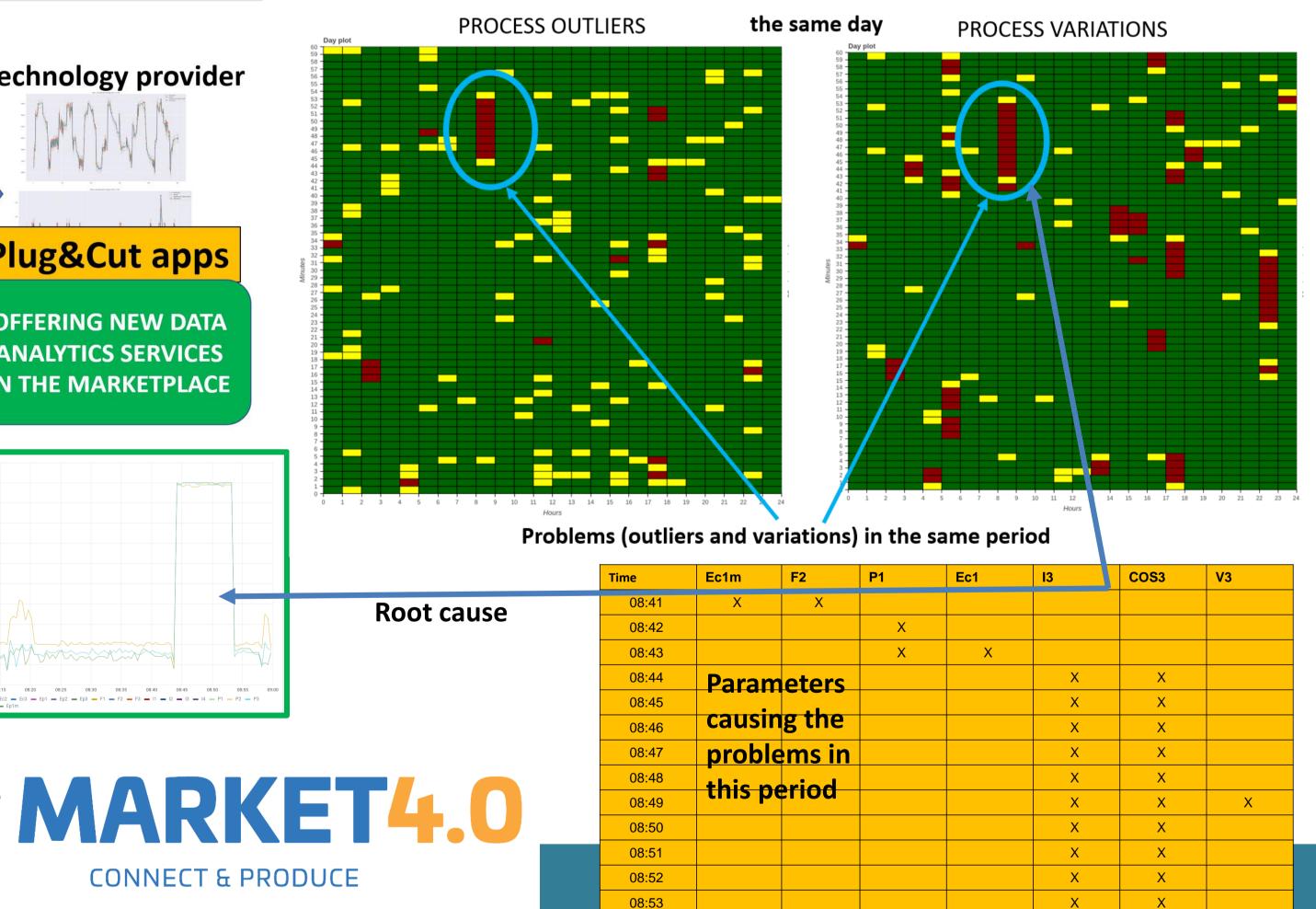
Service validation

Energy consumption data analysis

- Detection of **point variations** improved for 20%
- Detection of collective variations improved for 40%

(compared to standard multivariate charts)

PROCESS BEHAVIOUR ANALYSIS



The H2020 MARKET4.0 project develops an open multi-sided digital platform for enabling production equipment and service providers to connect and work together with manufacturing companies. The MARKET4.0 platform enables new business, based on value-adding interactions among the production equipment and service providers and their customers while at the same time provides an open and participative infrastructure for these interaction