

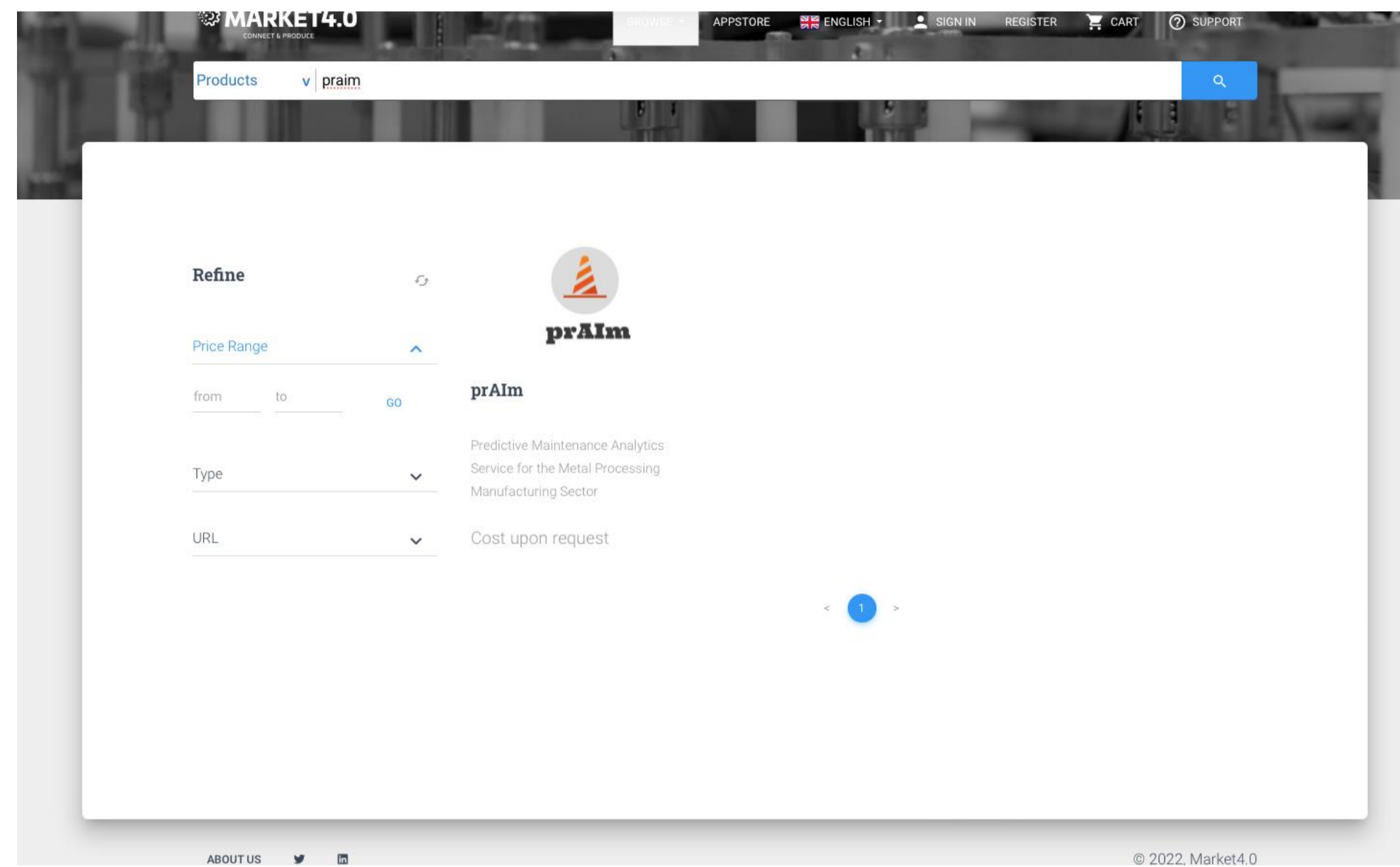


prAlm

On-demand predictive maintenance analytics service for shopfloor equipment

prAlm

The prAlm service, available through the Market4.0 Marketplace, is a flexible and easy to use AI driven predictive maintenance service, intended for the industrial/manufacturing sector, that utilises batch sensorial and equipment operational data, through advanced prediction algorithms, to provide on-time forecasts of upcoming equipment breakdowns, thus making it possible to take action to alleviate such failures and estimate production losses.



Features

- Data analytics for operational and historical (legacy) data, enabling equipment state detection
- Exploration of the collected operational and legacy data, providing basic statistics
- Prediction of equipment's upcoming operational behaviour, through pre-trained ML algorithms

Application validation

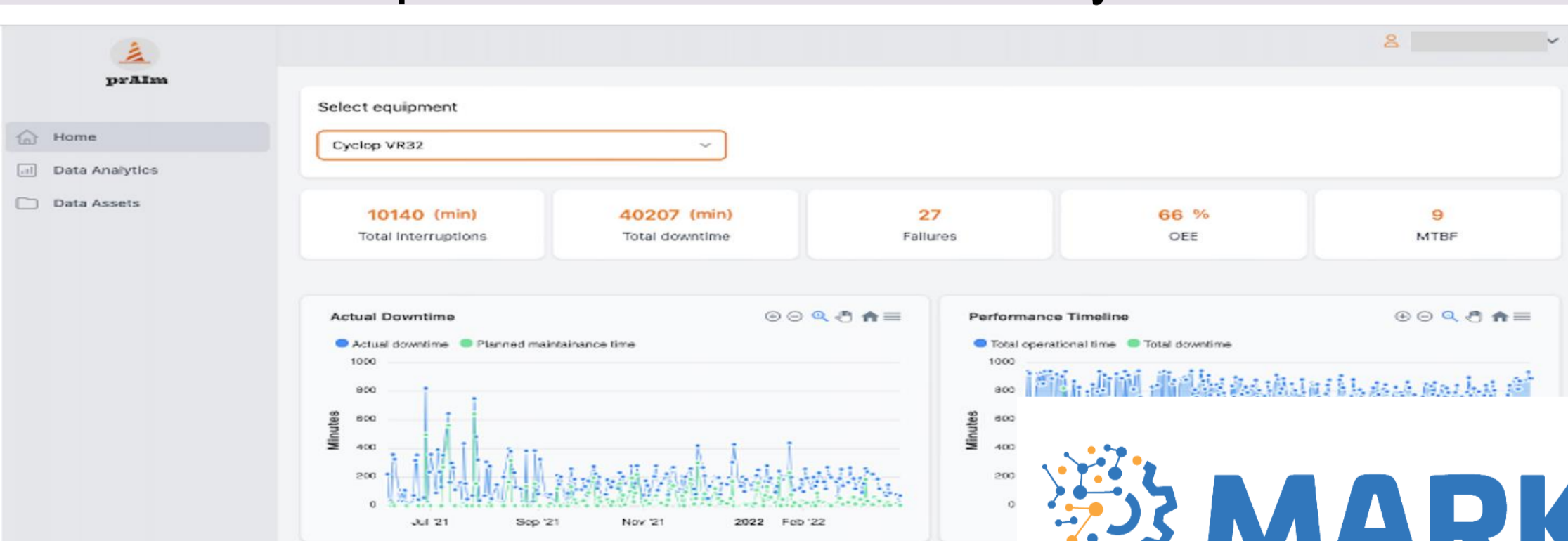
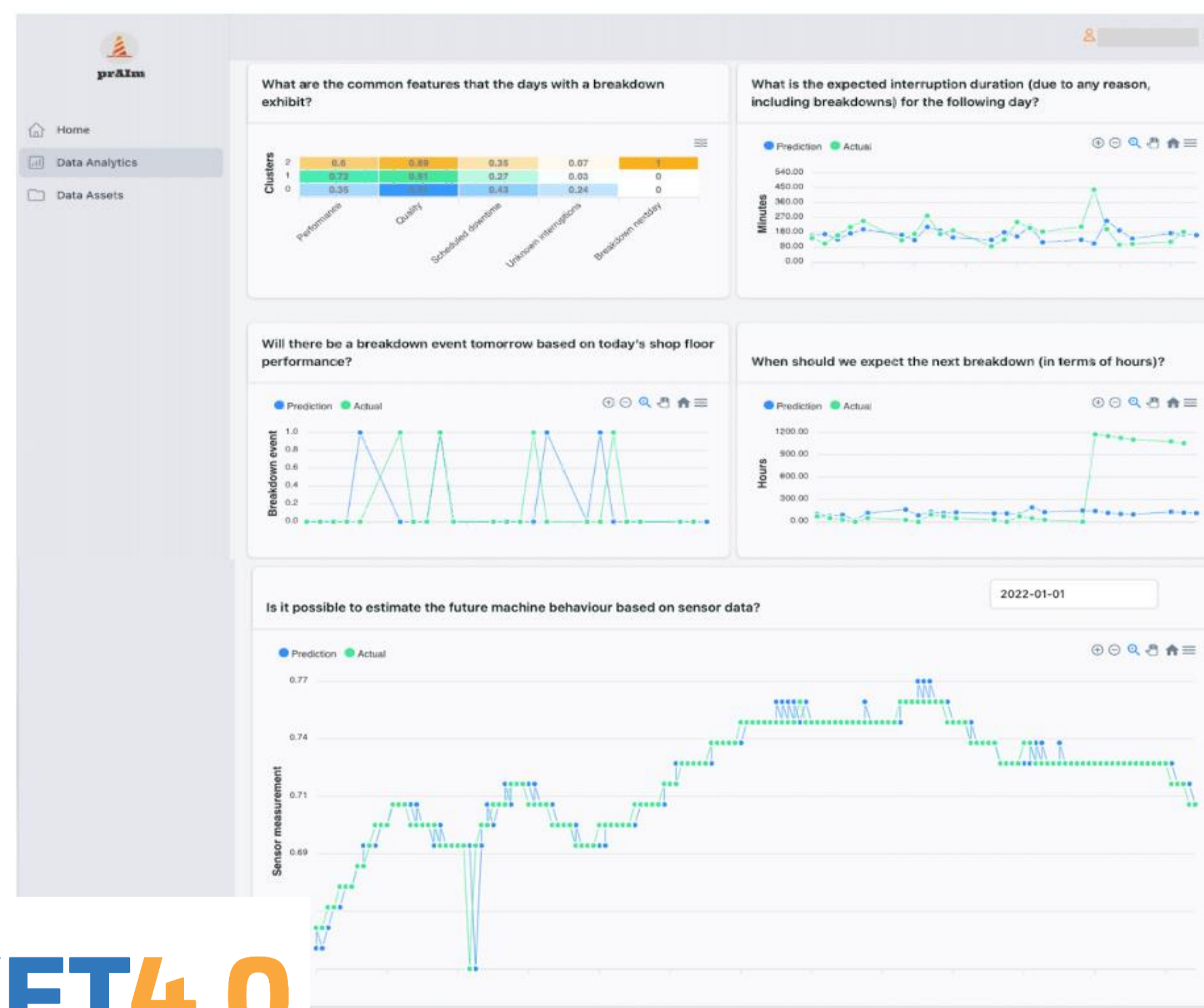
prAlm service is validated in real life scenario, utilizing the project's demonstrator (steel processing company) operational shopfloor data.

KPIs evaluation:

- Increase of Total Operational Time (%)
- Improvement of Overall Equipment Effectiveness(OEE) avg. (%)
- Increase of MTBF (Mean Time Between Failures) (%)

Benefits

- ✓ On-demand advanced analytics identifying current/past equipment behaviour
- ✓ Prognostic capabilities, forecasting future equipment failures
- ✓ Priced based on the total volume of data analysed and the required duration of the analytics needs



Acknowledgment

This work has been performed in the context of the prAlm project, an open call #2 winner of the H2020 MARKET4.0 project (market40.eu), with solely participation of Suite5, www.suite5.eu

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