

# AFRY ProTAK — Digital tool for production optimisation

## DIGITAL TOOL FOR PRODUCTION OPTIMISATION

AFRY ProTAK is a digital tool that measures the effectiveness of a plant's production machine performance by gathering information from different sources (e.g. DCS, MES, Maintenance) combining that with operator log-in data of root causes.

The sustainability and environmental impact of the production plant can be improved by optimal production efficiency where OEE is a central part. Ensure your production is running with full capability without unnecessary downtimes or losses.

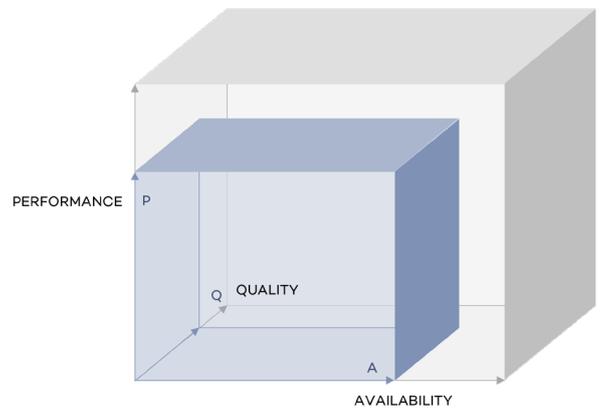
## TRANSPARENCY FOR PROACTIVITY

Downtime and reduced production speed are often daily challenges within the process industry. If you understand the reasons behind the problems, you'll have the key to increase profitability and improved product quality. AFRY ProTAK is a platform that clarifies why the problems arise — a digital tool that will optimize cost and productivity in a very transparent way that facilitates the improvement work and contribute to a more proactive approach.

## COLLABORATION FOR FAST DECISIONS

By making all levels at the site visible, the understanding of the process increases. As more each employee knows about the activities in the mill, the more knowledge it will create which will lead to strong collaboration and faster decisions. AFRY ProTAK also contributes to professional planning that supports how to use resources more efficiently, save time, and also improve safety. AFRY ProTAK is a central digital platform that creates sustainable production and optimizes cost and productivity

TRACK RECORD	TRACK RECORD	TRACK RECORD
+20	30	>2—4%
Years in market	Installations	General improvement OEE

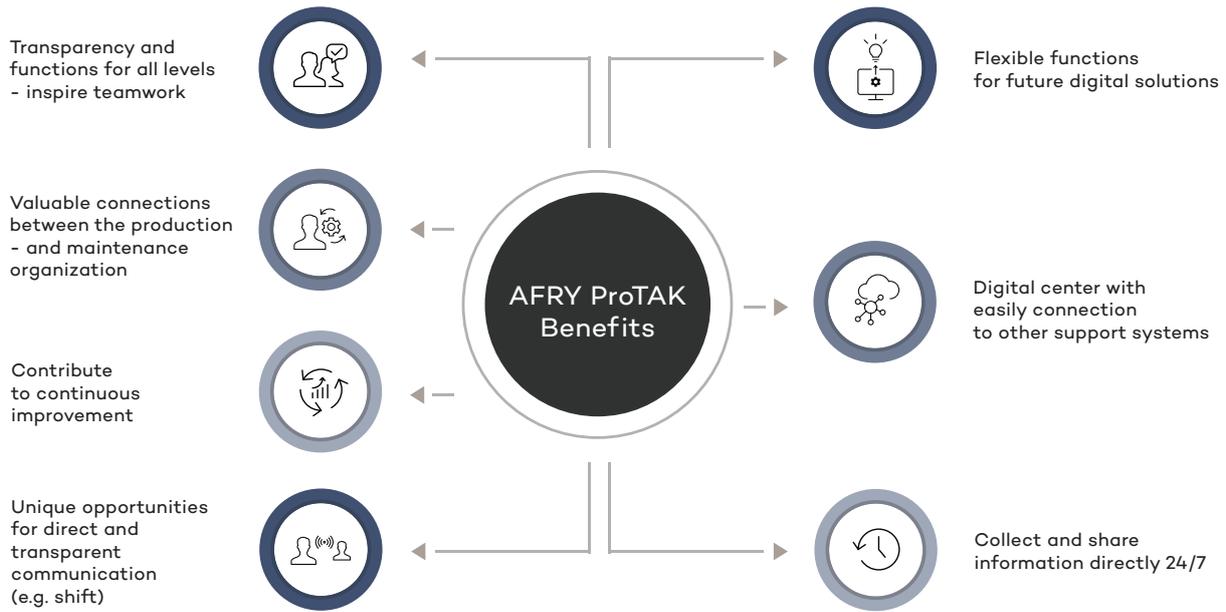


*AFRY ProTAK is based on the importance of measuring the OEE (Overall Equipment Efficiency) of the production efficiency.*

## WHY AFRY PROTAK?

We believe that digital success comes when we bring humans and technology together. Combining data from processes and equipment with information from humans creates the best foundation for decisions, providing a basis for continuous improvement work. AFRY has a wide process expertise with long experience within the process industry, which makes us to a unique partner who can contribute in optimizing cost and productivity for your operation.

# Overview of AFRY ProTAK



## BENEFITS

- Easily documentation of losses
- Graphical interface to easily read and share information
- Transparency increase understanding for different areas
- Traceability and clear statistic for production losses
- Integrates with other business systems
- Create a basis for investment decisions and prioritization of actions
- Collect and share information directly 24/7

## FEATURES

- Collects data and make important information visible
- Easy fill in forms and send data back to business systems
- Transparent and real-time information
- Identifies bottlenecks for proactive improvements
- Advanced functions document shut and break times, with reasons, comments and pictures

## FUNCTIONALITIES

- Round function
- Root cause analysis
- Case management
- Event-driven messages function
- Quality measurement
- Setpoint monitoring
- Runtime monitoring
- Diary
- Operator note
- Action requests
- Document system
- Advanced disturbance function
- Problem solver
- Claims
- Visual quality controls

The ambition with AFRY ProTAK is to increase the visibility of everything that has a positive impact on production to make better use of time and reduce quality problems. AFRY ProTAK will contribute to increased collaboration on-site and inspire to collaborate to improve and reach new levels in OEE.

The system will enhance the effect of other business systems and find opportunities that will contribute to optimize the production and increase profitability.