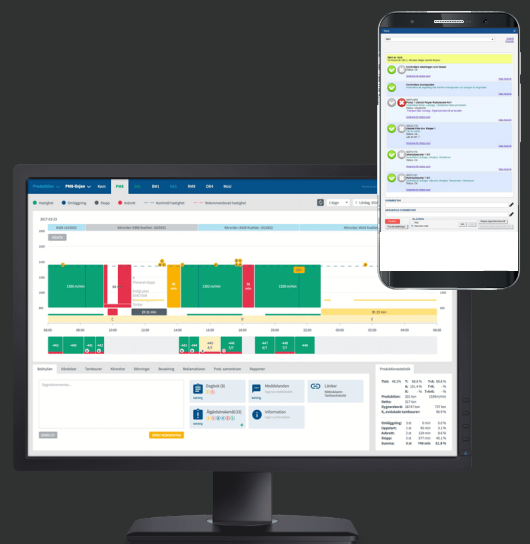


AFRY ProTAK

THE SOFTWARE PRODUCT
TO OPTIMISE PRODUCTION,
QUALITY AND MAINTENANCE



Market leading solutions for production optimization and OEE

AFRY ProTAK contributes to increased efficiency, quality and profitability.

AFRY PROTAK UNITES THE PLANT

Everyone receives the same information and understanding of each other's responsibilities. Operations and maintenance are brought closer together, while more efficient meetings are created because all employees receive up-to-date information about everything that has happened in advance via AFRY ProTAK.

AFRY PROTAK STRENGTHENS THE IMPACT OF OTHER IT SYSTEMS

AFRY PROTAK gathers information from other systems and visualises it in a simple way for the user.

The software creates forms for the user to send/receive information from a range of systems, such as maintenance systems and quality monitoring.

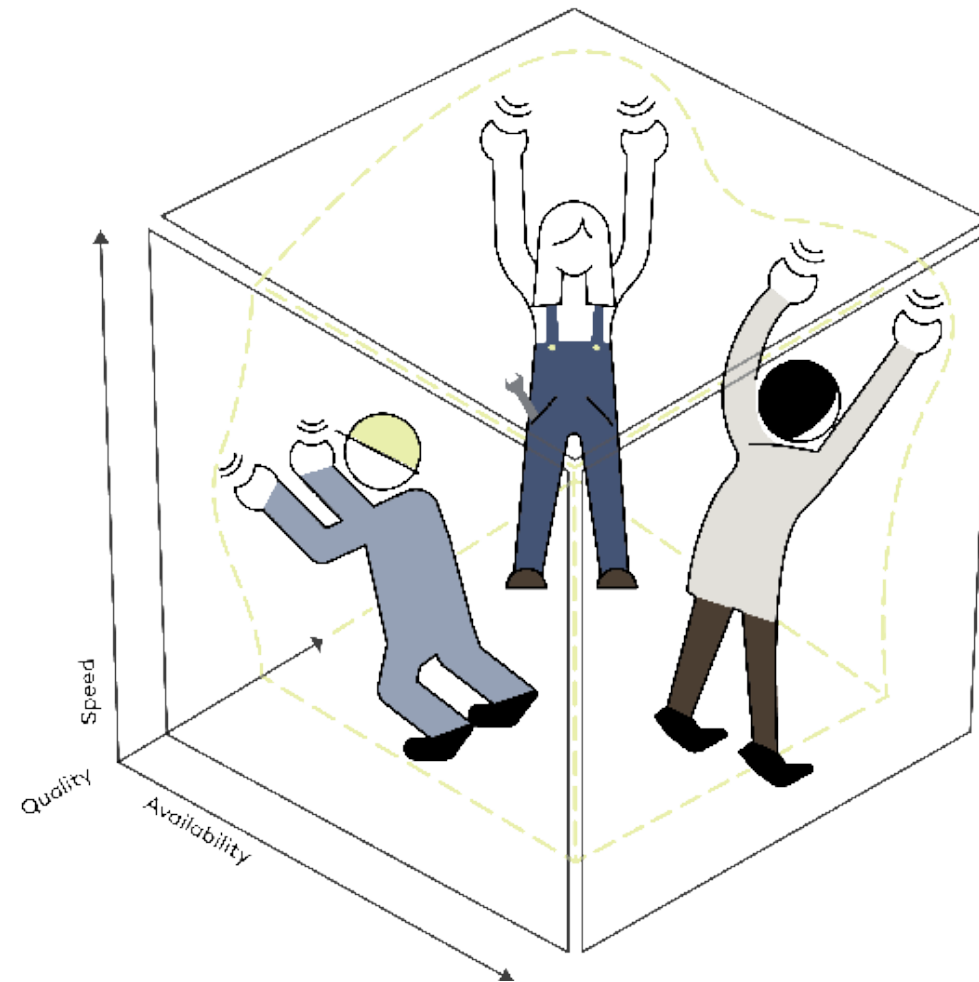
AFRY PROTAK CREATES TEAM SPIRIT

The transparency provided by the software creates an understanding of the entire factory process at all levels.

All users in all levels are visible, which enhances motivation and commitment. The more each user knows about the business, everything that happens and why, the greater the understanding of the bigger picture — which contributes to team spirit.

AFRY PROTAK CREATES STRUCTURE

The user always knows where to start searching for information, which increases interest and trust. A clear structure provides a better working environment and safety. Information is carried out quickly to the users and is accessible to everyone.



INCREASED IMPROVEMENT

The principle of AFRY ProTAK can easily be described as a cube with the axes availability speed and quality which becomes the product of the three independent efficiencies multiplied by each other.

In reality, all conditions are not always optimal, so the real cube will be smaller, as the figure shows. The difference between the two cubes is the potential for improvement.

Using the information gathered in AFRY ProTAK, the causes can be analysed. This allows the improvement potential to be identified for speed, quality and availability.

THE OVERVIEW

Several features are included to increase the production efficiency:

Features:

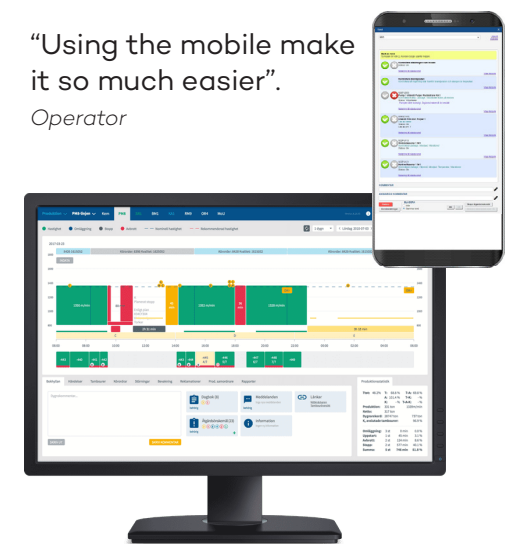
- OEE-module (Overall Equipment Effectiveness)
- Event handling
- Diary and notes
- Messages
- Document management
- Problem solver
- Reports
- Root cause analysis
- Available on all devices; PC:s, Tablets, Phones
- Maintenance requests
- Inspections round management
- Case management
- Claims
- Disturbance
- Interlock disconnection
- Runtime monitoring
- Set point monitoring

Why choose AFRY PROTAK?

- The operator can easily document his perception of problems, which provides a good basis for further investigations.
- AFRY PROTAK provides traceability and statistical explanations for production losses.
- The reports from AFRY ProTAK helps the user to effectively analyse what went wrong and why.
- AFRY PROTAK finds opportunities and identifies bottlenecks and the potential for improvements is made visible.
- Information from AFRY ProTAK becomes an important basis for investment decisions and prioritisation of measures.
- The whole purpose of AFRY ProTAK is to make everything visible that can increase production, provide better time utilisation and reduce quality problems. In short: increase profitability.

“Using the mobile make it so much easier”.

Operator



By users — for users

AFRY ProTAK was founded in 1999 by engineers in the paper industry based on the lack of a system where all production information was gathered and easily accessible. AFRY ProTAK thus became a tool to enable documentation of the entire production process.

AFRY ProTAK is the result of decades of practical work on optimising processes. The software provides a clear and multidimensional picture of all the events of the day. All to pinpoint the critical points in the process.

AFRY ProTAK has mainly been used in the pulp and paper industry, but over the years many customers have come up with ideas and suggestions for new applications, making the software's functions more universal.

This means that the system is now applicable in any process industry.



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