



# Digital Solutions Providing the best power plant user experience

Do you want to improve plant efficiency, productivity and availability without forgetting safety and environmental requirements to your power plant? Fortum has a strong background to help you to get the best possible result in your plant efficiency.

## IMPROVE YOUR POWER PLANT'S OPERATIONAL ECONOMY

Process Information and Optimisation System **TOPI®** is a tool for real time monitoring and optimization of power plant processes, thermal condition monitoring, data analysis, reporting as well as production planning. It includes automation interface, database, versatile user tools, **Solvo™** process calculation and other applied calculations.

**Solvo™** is a versatile steady state simulator for the design and optimization of power plant processes.

### TOPI® HELPS YOU TO

- improve operational economy
- optimise production
- decrease maintenance costs

## MANAGE AVAILABILITY AND PERFORMANCE

Fortum's Asset and Maintenance Management solution is based on **IBM Maximo®**. It is a result of an extensive and long-term experience and implements a maintenance management model Fortum has developed in past decades. It holds and maintains data related to power plant process locations, equipment and warehouse properties such as spare parts. This information is intended to help maintenance workers do their jobs more effectively and to help management to make informed decisions.

**Maximo®** helps you to

- develop power plant availability and performance
- cut maintenance costs without neglecting safety issues

## TAKE A FIRM GRIP OF ALL OPERATION AND MAINTENANCE INFORMATION

The Fortum **Logbook**, electronic logbook, keeps record of all the information generated by the operation and maintenance processes at the plant. The system provides a hierarchic location structure, flexible shift engine and powerful search and statistics functions.

### FORTUM LOGBOOK'S KEY BENEFITS

- very easy to configure, learn and use
- improves information flow at the plant
- provides real time information for plant personnel

## FOR DYNAMIC SIMULATIONS

Are you managing an existing power plant facing new operational or process control challenges? Are you responsible to get a new plant into operation in tight schedule? In either cases, Fortum's dynamic simulation services based on high-fidelity dynamic simulation software **Apros®** can be your solution.

### WITH APROS® YOU EASILY

- Simulate fast transients and different states of the systems without difficulties.
- train operators to manage plant operation in normal and emergency situations
- ensure process and controls design changes to have maximum performance, safety and availability
- mitigate risks relating to new plant project by testing control system and train operators prior to start-up