

Power Solutions

Sustainable and effective energy solutions and services



How to improve the power plant availability? Can operation and maintenance be managed more cost effectively? How to improve work safety in power plant environment? How we can improve energy efficiency? Ask us at Fortum – we provide solutions for you!

Power Solutions in brief

Power Solutions within Fortum is a competence center that offers operation and maintenance (O&M) and related experts services and solutions to power and heat owners and developers. Our competence areas cover thermal, hydro, and nuclear.

Fortum is one of the leading suppliers for operation and maintenance services in the field. We operate in Nordic countries, the Baltics, Russia, Continental Europe and UK as well as in selected international markets such as Middle East and Asia.

Our personnel include top operation and maintenance experts and professionals working at 20 different locations. In addition, we have operation and maintenance contracts, among others, in Germany and Great Britain.

Our business and your benefit

Our services secure the top availability and productivity as well as the energy and cost efficiency. The availability and efficiency of Fortum's own and operated power plants are very high by international standards.

When the operation and maintenance of the power plant is run professionally, the availability of the power plants is high, the fuel consumption is efficient and costs are optimal. Our competence helps our customers to reach these goals.

Through our services, our customers can generate energy more efficiently and environmentally benignly.

Our products and services

Our Operation and Maintenance Services is built upon millions of man hours of operating and maintaining Fortum's power plants comprising different fuels and technologies. Our service selection cover:

- **Full scope O&M**, which means full responsibility of the operation and maintenance of the customer's power plant operation management and personnel.
- **O&M Management**, which means responsibility of operational management including key managers, but power plant owner takes care of the personnel.
- **O&M Mobilisation**, which means assisting in the start-up of new power plant activities and building up the management systems.
- **O&M Advisory** which means support to sales, mobilisation and contractual phase.
- **O&M Support services** are either **Technical support services**, which means our experts support customer's power plant personnel at site or **Remote support services** where via continuous remote monitoring power plant condition is analysed with recommendations for actions.

Our long-term contractual O&M services are based on our own TOPGen® concept.

Our O&M competence is enhanced by highly specialized and versatile **O&M related expert solutions and services**. These productivity services include thermal and environmental performance, turbine and generator overhauls, availability and condition management, O&M Management systems, hydro consulting and contracting as well as nuclear services related to safety and nuclear waste management.

Our references

Our operation and maintenance (O&M) references cover in addition to Fortum owned power plants several dozens of power plants in 20 different countries. Our expert services track record covers hundreds of customer references globally.

Fortum in brief

Fortum is a leading energy company in the Nordic countries, Russia and the Baltic Rim. Activities cover generation, distribution and sales of electricity and heat as well as operation and maintenance and related expert services.

At Fortum, sustainability is our strategic backbone covering all our activities. We take our responsibility in mitigating the climate change seriously and are investing in climate benign energy technology.

Customer's voice

Dr. Martin Buschmeier,
CEO of Trianel, 800 MW CCGT
power plant in Hamm, Germany.

"We have chosen Fortum to our O&M operator, because it is much better than competitors as to price-quality ratio and we have not regretted our choice. The availability is high, and we are impressed by Fortum safety culture and technical competence"

Sergey Laputko,
First Deputy Director for Engineering,
TGC-1, Russia.

"There were a few primary reasons for choosing Fortum as our partner: The high quality of their specialists, their portfolio of competence and their professional experience. This combination of qualifications makes Fortum a very attractive provider of technical consultation."

Gundolf Dany,
Technical Managing,
Director of Statkraft in Germany.

"The support provided by Fortum in setting up the operational organisation and during the first year of operations was incredibly important for us. Without the valuable experience provided by Fortum as an operator of gas-fired power stations on a world-wide scale, we would certainly not be where we are today."



Visit our website at www.fortum.com/powersolutions.
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