

Combustion technologies

CLEANER AIR WITH LOW-NO_x SOLUTIONS

Fortum
eNext



over **1000**
low-NO_x burners

Breathe clean air and provide a brighter future for our children - You can make a difference!

Fortum's advanced combustion technology reduces emissions effectively and helps you to lower investment and maintenance costs at your power plant. Our customized combustion solutions and products are for different kinds of combustion and fuels from pulverized hard coal, peat and biomass to oil and gas fired boilers.

WHAT IF YOU COULD EASILY COMPLY WITH THE NEW NOX EMISSION LIMITS?

Low CAPEX and low OPEX solutions

Your investment will be successful. Only necessary investments - no more or less. We have decades of experience in running our own power plants.

Tailor-made solutions

What we deliver is always tailored to fit your plant and any OEM's equipment. We use proven and patented technology, have wide in-house experience and continuous R&D.

Efficient turn-key projects

Utilize our expertise in consultancy and feasibility studies. Remote monitoring and technical support for warranty period are always included.

LOW-NO_x BURNERS FOR EMISSION REDUCTION

Our low-NO_x combustion system guarantees an excellent nitrogen oxide (NO_x) reduction. The special features of the system are preventing of high-temperature corrosion and controlling of the unburnt carbon (UBC) in fly ash.

STATE-OF-ART BURNER TECHNOLOGY

Our low-NO_x burners are built for rapid ignition, a stable flame, high combustion efficiency and a wide turn-down ratio. Furthermore, they minimise slagging in furnace.

The computational fluid dynamics (CFD) modelling tool has been used since 1992 in Fortum.



OUR SATISFIED CUSTOMERS AND PARTNERS

We have long-term cooperation partners worldwide and tens of success stories including over 1000 burners, for instance:

- **Narva, Eesti Energia, Estonia, 2013-2015**
NO_x reduction installations for plants' four units and for a total of eight power plant boilers
- **Jaworzno III, Tauron, Poland, 2010-2016**
Fortum has implemented a project involving combustion control and reduction of NO_x in Poland at Tauron Jaworzno III power plant. The project has been one of the biggest low-NO_x combustion project in Poland.

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