Fortum eNext low-NOx solution is delivered as an efficient turnkey project with short production downtime

Fortum eNext low-NOx delivery based on primary methods always starts with an assessment of the current design and performance of the boiler, and by analyzing additional data provided by the customer.

As a second step thorough Computational Fluid Dynamics (CFD) model is created based on the initial data. CFD modelling is used for designing the optimal Over Fire Air (OFA) system and needed burner modifications for the case in question, in order to achieve the required NOx emission level.

Thanks to our vast experience, engineering capabilities and thorough modelling, our deliveries include only a short production down time that can be synchronized with a usual planned outage. Technical implementation and installations are always carried out in cooperation with our local partners.

After final optimization and commissioning begins the warranty period. All our deliveries include a guarantee of success: we will make sure that the boiler performance level is kept and the emissions will remain on desired level in the long run. We also provide technical support for the warranty period.

For further information contact
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Your partner in power plant perfection

- Decades of experience in serving power producers globally – low-NOx deliveries since 1990’s
- Sustainability, safety and quality in the forefront of our operations
- Sharing the owner’s perspective and understanding the needs of a power utility
- Independent service provider with proven and patented low-NOx technology and ability to tailor an optimal solution to any manufacturer’s equipment

Main phases of Fortum eNext low-NOx delivery

1 month
Assessment of burner design, air distribution, coals

3 months
Design for low-NOx combustion system

5 months
Manufacturing and pre-fabrication

7 months
Installation of low-NOx system

9 months
Commissioning, fine tuning and optimization

3 years
Providing technical support during warranty period

Customer
Providing data

Outage planning

O&M training

Take over

Continuous learning and improvement, how to optimally run the boiler

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