



— Gruppo Aturia —



FIRE PUMPS FOR POWER PLANTS

Thanks to many years of experience in supplies in the Power Generation and Oil&Gas sector, Gruppo Aturia is able to manage complex projects with a Project Management service and the elaboration of all the required technical documentation.

Customer requirements:

- Providing a reliable fire pumping system.
- Needing to fully test fire sets before shipping to the site.
- Providing an FM certificate of proven quality, availability, and local assistance service.

• Solution:

Supply fire-fighting groups in accordance with NFPA 20 and FM Approved by selecting the components only from primary suppliers operating in the fire-fighting sector.



Achievement:

Gruppo Aturia has guaranteed a start-up supervision service through highly specialized internal personnel with specific expertise in fire-fighting products.

As requested by the customer, the motor pump and the electric pump (powered at medium voltage), were tested in the test room of the Gessate Headquarters in accordance with all the requirements of the NFPA 20 standard (including direct starting at medium voltage).

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Gruppo Aturia - Since 1890 leader in the design, manufacturing, and testing of centrifugal pumps for different applications such as Nuclear, Oil&Gas, Firefighting, Industry, and Water where heavy-duty construction and qualified support are focal requirements for clients.



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The fire-fighting pumps were installed in the customer's pump room to supply the sprinkler network placed to protect the electricity generation area (turbogas and accessories).

The in-depth knowledge of the NFPA standard by the Gruppo Aturia has allowed the customer to have a pumping system that is perfectly integrated into the plant's fire-fighting network.

In addition, the supply of packages fully assembled and tested in-house has reduced assembly and commissioning times, allowing the customer to meet the expected production start date.



SUPPLY

The following were used for the project:

- n° 1 Horizontal fire-fighting motor pump with sound box
- n° 1 Horizontal electric fire pump with medium voltage motor and controller.

Pump Type: PDN 300/400F

FLOWRATE: 795 m³/h

HEAD: 100 m

SPEED: 1500 RPM – SI VARIABLE RPM

ABSORBED POWER: 300 kW

ENGINE RATED POWER : 315 kW

BODY MATERIAL: Cast Iron

IMPELLER MATERIAL: Bronze

Following the success of the supply, the Customer entered into a maintenance contract with Gruppo Aturia to ensure that the supply is kept in line with the standards required by fire regulations.



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