



APPLICATION SPOTLIGHT

POWER GENERATION- BURNER FUEL OIL



Power Plant – Burner Fuel Oil



APPLICATION DESCRIPTION:

Fuel oil control for burners at a power station to reduce downtime for maintenance in order to provide power at any time.

TECHNICAL DATA:

Medium: Burner Fuel Oil
Temperature: 20°C-100°C (design 150°C)
Pressure: 21 bar
Flow range: 300-25.000 kg/h

CHALLENGE:

Formerly, this customer installed variable area flow meters, which were too unreliable to detect clogging in the burner system, therefore causes inefficient, unbalanced flow measurement. As a result, the efficiency of the burners was very low. Frequent downtime due to clogging and heavy maintenance was the result of inaccurate flow measurement.

SOLUTION:

With TRICOR's TCM-28K Coriolis flow meter installed, all mentioned problems disappeared. Moreover, with the flexibility of TRICOR installation length, TRICOR was able help the customer in this challenging application to avoid extra installation costs.

ADVANTAGES:

- Increased burner availability
- Less downtime
- More efficient burner management
- Reduced maintenance costs
- Increased productivity