Introduction
The increasing focus on reducing emissions from Power Generation has seen increased demand for Gas Fired Power Stations.

Process Group has a well established track record in the design and supply of these plants.

Applications
- Gas Turbine Power Plants
- Offshore Power Generation
- Cement Plants
- Utility Fuel and Instrument Gas Systems

System Components
Process Group has a well-established track record in providing optimised Fuel Gas Treatment packages customised to each unique application that includes a combination of equipment such as:

- Emergency Shutdown Systems
- Knock-Out Drums
- Filter Coalescers
- Fiscal Gas Heaters
- Fuel Compression
- Pressure Reducing Stations
- Final Filters
- Condensate Handling Systems
- Vent & Flare Stacks
- Gas Storage Systems
- Process Control Systems

Engineering Services
- System Design & Integration
- Construction Supervision and Commissioning
- Plant Operation and Operator Training
- Plant Maintenance & Spare Parts
Fuel Gas Systems

**Knock Out Drums**

Using a range of Technologies:

- Mesh Type Demisters
- Hook Vane Demisters
- Axial Flow Cyclone Demisters

**Filters & Filter Coalescers**

Horizontal (High Capacity)  
Vertical (Compact Layout)

**Efficiency**

<table>
<thead>
<tr>
<th>Standard:</th>
<th>High Efficiency</th>
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<tbody>
<tr>
<td>Liquids: 99.8% @ 1um</td>
<td>Liquids: 99.8% @ 0.3um</td>
</tr>
<tr>
<td>Solids: 99.8% @ 1um</td>
<td>Solids: 99.8% @ 0.3um</td>
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**Fiscal Metering Systems**

Integrated Systems:

- Orifice Metering ISA5167/AGA 3
- Ultrasonic Metering AGA 9
- Turbine Metering
- Flow Computers
- Gas Chromatographs
- Supervisory Systems

**Pressure Reducing Stations**

- Slam Shut Valves
- Active/Monitor Regulator Systems
- Creep Relief Systems
- Flow Balancing & Integration

Flow rates from 10kg/h to 250,000kg/h  
Pressures up to 135 barg