



Fire Protection

POWER
PLANTS

Power Plants Fire Protection

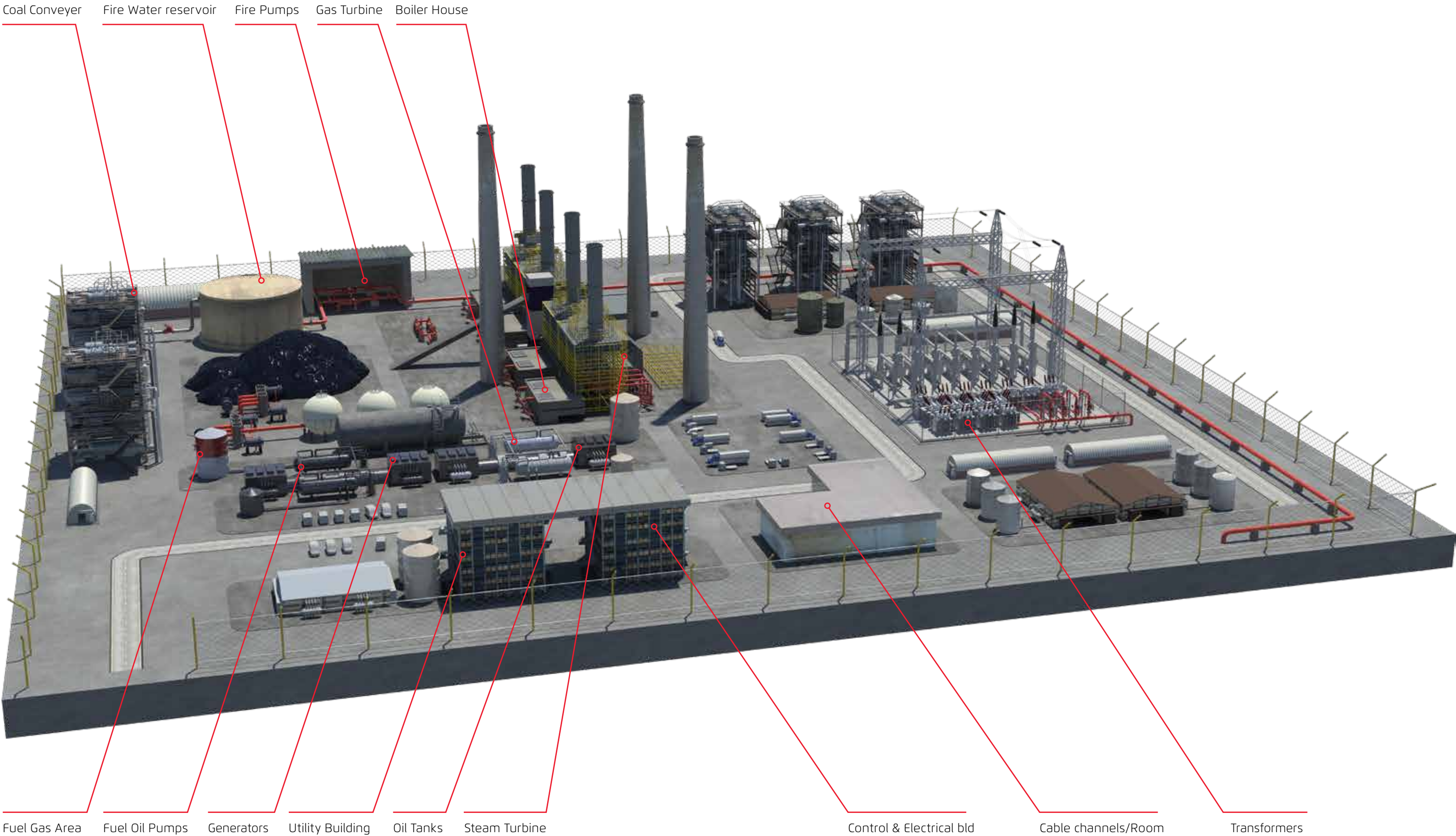
BERMAD is a recognized pioneer and world leading provider of high quality Automatic Water Control Valves and Equipment for Industrial Fire Protection Systems.

Incorporating advanced flow control technologies, BERMAD's solutions have proven themselves in every level of the industrial fire protection field. Incorporating unique technologies for safer operation, obstruction-free and quick in line serviceable fire protection valves. BERMAD provides water based Fire Protection valves and equipment solutions for the power industry with proven reliability and longest lifespan.

The BERMAD Deluge and Control Valves are designed specifically for industrial fire protection applications.

The elastomeric technology employs no Mechanical Moving Parts providing a rugged reliable design with an exceptionally low head loss and fast response time, whilst ensuring a high resistance to surge and water hammer.

These characteristics minimize the protected area damage and limit the loss of the plant's power production ability due to a fire event or false alarm.



	Generators	Transformers	Fuel Gas Area	Fuel Oil Tank	Fuel Oil Pumps	Fire Pumps	Fire Water Reservoir
On/Off Deluge Water Spray System		•	•	•	•		
On/Off Deluge Foam System		•		•	•		
Automatic Deluge System			•				
P. Control Deluge System				•			•
P. Control Relief Valve						•	
Pre-Action Deluge System	•						•
Level Control Valve							•
Wet Sprinkler Valve	•						
Monitors			•				
Inert Gas Suppression System							
Fire Line Basket strainers	•	•	•	•	•		•
Hydrants	•	•	•	•	•		•
Medium Expansion Foam System			•	•	•		
Low Expansion Foam System			•	•	•		
High Expansion Foam System							

	Coal Conveyor	Cable Channels/ Room	Control & Electrical Building	Steam Turbine	Gas Turbine	Boiler House	Utility Building
On/Off Deluge Water Spray System					•	•	
On/Off Deluge Foam System						•	
Automatic Deluge System							
P. Control Deluge System							
P. Control Relief Valve							
Pre-Action Deluge System		•	•	•			
Level Control Valve							
Wet Sprinkler Valve	•						•
Monitors							
Inert Gas Suppression System		•	•		•		
Fire Line Basket strainers	•	•	•	•	•	•	
Hydrants	•	•	•	•	•	•	
Medium Expansion Foam System							
Low Expansion Foam System							
High Expansion Foam System							•

Engineered to Extinguish Fire

Electrical Energy is the heart of every country in the world. Whether it is Coal, Fuel Oil, Natural Gas or combined cycle Power plants producing the Electrical demand, protecting the fluency of supplying the energy is critical.

BERMAD’s Vast experience in fire protection of power plants offers a wide range of products and solutions that meet the harsh demands of complex systems suitable for protecting all areas in the power cycle.



Bermad Unique Solutions

Automatic Deluge Valve Systems for Water and Foam

The BERMAD Deluge Valve is an elastomeric, diaphragm type, line pressure actuated valve, approved for for advanced automatic fire protection systems.



Pressure Relief Valves

The BERMAD Model 730-UF pilot operated valve prevents over pressure, maintaining a constant preset system pressure regardless of fluctuating demands.



Pre-Action Systems

The BERMAD Pre-Action Valves are suitable for use in systems requiring that water be kept out of the sprinkler piping until a sprinkler and/or an electric detecting device have been activated.



Water Reservoir Level Control Valves

The Level Control Valves are automatic, line pressure operated that controls reservoir filling to maintain “Always Full” Firewater Level, regardless of fluctuating demand.



Pressure Control Valves

The BERMAD Pressure Control Valves are provided with obstruction-free and quick in line serviceable technology. An integrated pressure reducing pilot valve ensures a stable and precise pre-set downstream firewater pressure supply. Designed to be installed upstream of a sprinkler system, hose reels, hydrant or fire pump discharge pipeline.



Fire Line Basket strainers

BERMAD 60F Basket Strainers are designed to be installed in protection pipelines primarily to prevent the clogging of fire system nozzles of automatic sprinklers, deluge spray or foam systems.



Foam Systems

BERMAD Foam Systems, including Bladder Tanks with a wide variety of pressure ratings and sizes.

Together with BERMAD Remote Control Deluge Valves and Basket Strainer provides a complete and reliable solution to anticipate hydrocarbon fire scenarios.



Monitor Systems

Various Fire Monitors of Self-Oscillating, Electric, Hydraulic and/or Manual actuated are suitable for various flow and pressure demands, and can be combined together with BERMAD Remote Controlled, Locally Operated or On-Off Deluge Valves..



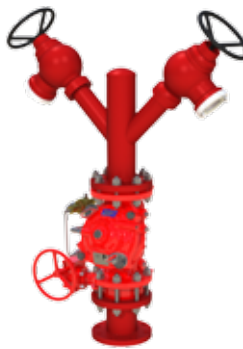
Sprinkler Systems

UL-Listed/FM-Approved Sprinkle Valve, including Check Valve and Flow Switch provides the recommended solution by the NFPA-13 for wet sprinkler systems.



Hydrant Systems

The wide variety of industrial BERMAD Hydrant Systems combined with Pressure Control Valves, provide the system designer with a great flexibility to fit a hydrant system to the specific application needs.



Leading projects



Approvals



UNDERWRITERS
LABORATORIES



FACTORY MUTUAL



DET NORSKE VERITAS



VDS
SCHADENVERHUETUNG



LLOYD'S REGISTER



AMERICAN BUREAU
OF SHIPPING



CCCC, CHINA



GOST, RUSSIA



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