

Power Station Service



Rehabilitation and Service of Utility Boilers

Give your boiler plant new life and reduce the annual operating costs.

By applying our rehabilitation and maintenance program, Burmeister & Wain Energy (BWE) can extend the lifetime of your boiler plant to make sure that it always performs at its best. By adding new technology that did not exist when the plant was first erected, we can make it an operationally and financially attractive asset adapted to modern environmental requirements.

The work needed could just be a simple repair, or it could be a comprehensive renovation for:

- Life extensions
- Efficiency improvement
- Capacity increase
- Fuel conversions
- Low-NOx firing systems

Revision of Small and Large-scale Plants

BWE has specialized in the maintenance of boiler plants. Our range covers everything from simple repair jobs to extensive, life-prolonging retrofits as well as the installation of new components and control systems.

Once your boiler plant has routinely been taken out of operation, we are ready to carry out the necessary revision in the shortest possible time - either independently or in co-operation with your technical staff. Well ahead of the works, an extensive inspection of the plant will have been carried out using the necessary equipment. On the basis of this thorough inspection we will have prepared a suggestion for possible renewals and repairs.

Conversions

BWE has great experience in boiler conversions of all types,

including conversion from one fuel to another, life-extending retrofits such as the replacement of drum and heating surfaces, or an exchange of old firing systems with modern, efficient low-NOx firing systems.

BWE is able to take the overall responsibility for conversion assignments - even for boiler plants which were not originally supplied by us.

Let BWE take the conversion of your boiler plant in hand - we have the necessary expertise so you can rest assured that the change will be a profitable investment.

As one of the leading supplier of Air Preheaters, Gas-Gas Heaters and Combustion Systems, BWE can help you with rehabilitation and improvement of existing plants.





Chemical Cleaning and Preservation

BWE offers chemical cleaning and preservation of small and large-scale boiler plants, industrial plants, drums, piping systems and much more.

Chemical cleaning must be tailored to achieve optimal efficiency. First, we analyse the extent of fouling and the chemical composition of the linings. On the basis of this analysis, we engineer a solution to ensure your plant operating conditions are optimized.

Chemical cleaning is carried out by establishing provisionals - temporary pipelines - and by erecting pump station and dosage tanks. We establish the necessary discharge facilities and see to the necessary neutralization of used chemicals.

The entire process is documented by testing samples for pH-values, acid concentration, dissolved iron and inhibitor effect.

BWE provides a written guarantee against weight loss, surface quality, rise in conductivity etc.

Built-in Refractory Constructions

The BWE division for built-in refractory constructions and high temperature insulation offers maintenance and retrofits in this area as an integrated part of our service program.

The division carries out asbestos clearance with the complete removal of boiler plant materials containing asbestos.

Emergency Breakdown

An unforeseen operational stop is always inconvenient and often results in costly operating losses. The failure must be located and repaired as quickly as possible. BWE has a 24-hour emergency service and offers immediate assistance.

Irrespective of where in the boiler plant the failure has occurred, BWE service staff have the necessary experience and professional expertise to locate and solve the problem. The plant is quickly back in operation and your operating loss has been reduced to a minimum.

Special Assignments

We carry out all types of construction assignments involved in erecting plants. This includes the largest conceivable erection units such as drums, heat exchangers, conveyor plants, and supporting structures. These assignments can be carried out as partial or turnkey contracts.

BWE has specialized in the manufacture and supply of piping systems for power stations, industries and petrochemical plants, with a main emphasis on high and medium pressure piping.

World leader in steam power technology

Burmeister & Wain Energy A/S has specialized in the development and design of advanced steam boiler plants for utility and biomass fired power stations.

Furthermore, BWE designs a wide range of auxiliary power station equipment such as the BWE Low-NOx coal/oil/N-gas/biomass burners, Air Preheaters and Gas-Gas Heaters.

BWE is part of the Italian STF S.p.A. Group.

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