

IN SAFE HANDS WITH BWSC GENERATION SERVICES

BWSC Generation Services provides a variety of post construction services and tailored solutions to diesel and biomass power plants:

- Operation & Maintenance Agreements
- Technical Support Agreement
- Upgrade and Rehabilitation of Power Plant Systems
- Technical Services
- Training
- Spare Parts

BWSC's extensive experience and in-house expertise within Engineering, Procurement, Construction, Operation, Maintenance and Servicing of power plants is your guarantee for optimisation of the plant performance and maximum Return On Investment (ROI).

BWSC's long term O&M and Service contracts accumulate as per 2012 to approximately 1,980 MW at 2-stroke and 4-stroke diesel power stations and biomass plants world-wide.

BWSC is a subsidiary company of Mitsui Engineering & Shipbuilding Co. Ltd. (MES), the senior licensee of MAN B&W 2-stroke diesel engines.

BWSC has demonstrated strong financial performance and has been rated AAA by Dun & Bradstreet over a period of years. In 2013, BWSC's annual turnover was 203 million EUR.

For references of BWSC services and further information please visit our web-page or contact us at our e-mail below.



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Generation Services - Product Matrix

Burmeister & Wain Scandinavian Contractor A/S

Contract Type		O&M	MSA	SPTSA	TTSA	TSA	RTSA	Upgrade	Service	Spare Parts	WE
Scope of Supply: Agreements can be tailored by any combination of the below services: This matrix describes examples of typical contract set-up.		Operation & Maintenance Agreement	Mobilization Support Agreement	Spare Parts & Technical Support Agreement	Training & Technical Support Agreement	Technical Support Agreement	Remote Technical Support Agreement	Engineering, Procurement & Construction (Turnkey)	Services & Assistance Customized to Client Needs	Spare Parts Supply	Warranty Engineer (New Plants)
Operation & Staff	Full Responsibility of O&M on behalf on the Plant Owner	•									
	Operation & Maintenance of the entire plant	•									
	Mobilization of O&M Organization, Management & Staff	•	•								
	BWSC Power Plant Specialist Resident Engineer(s)	•	•	•	•	•					•
	BWSC Supervisor / Specialist Engineer	•		•				•	•		
Training	Initial training packages - prior to start of operation	•	•	•	•				•		
	Theoretical classroom courses (Incl. training need assessment)	•	•	•	•				•		
	Hands-On-Training	•	•	•	•	•			•		•
	Know-How Transfer - Ad Hoc	•	•	•	•	•		•	•		•
Technical Support	Technical support from BWSC HQ and BWSC network of engine builders and other OEM's	•	•	•	•	•	•	•	•	•	•
	Troubleshooting	•		•	•	•	•	•	•		•
	Plant Survey (Troubleshooting/Identify Potential Improvements)	•		•	•	•		•	•		
	Computerized Maintenance Management Systems (CMMS)	•	•	•					•		
	On-line support for Distrubuted Control Systems	•		•	•	•	•	•	•		
Maintenance	Planning of Maintenance	•	•	•	•	•	•		•		•
	Supervision of Repair and Maintenance Works	•		•				•	•		
	Elaborate Standard Operation Procedures (Maintenance)	•	•	•	•	•					
	Maintenance teams working i shifts 24/7	•		•		•			•		
	Test & Commissioning Assistance	•						•	•		
Operation	Plant and Unit Performance Evaluation	•		•	•	•	•		•		•
	Fuel, Lube Oil and Water Analysis Evaluation	•		•	•	•	•		•		•
	Elaborate Standard Operation Procedures	•	•	•	•	•			•		
	Operation teams working in shifts 24/7	•	•						•		
Upgrade	Rehabilitation							•			
	Improvements							•			
	Retrofit							•			
	Life time extension of plants and equipment							•			
Spare Parts & Consumables	Delivery of initial spare parts stock (safety spares)	•	•	•					•	•	
	Delivery of scheduled spares	•		•					•	•	
	Delivery of un-scheduled spares	•		•					•	•	
	Delivery of consumables (Incl. lube oil)	•	•							•	
	Delivery of tools, workshop and laboratory equipment	•	•	•					•	•	
	Specification of spares and other plant equipment	•	•	•	•	•	•		•	•	
	Logistic & shipping of spares	•	•	•				•	•	•	
	Stock keeping and spare parts management	•	•	•					•		
Performance Guarantees	Fixed Fee specific per MWh or per running hour	•		•							
	Availability Guarantee	•		•							
	Production (Minimum Guaranteed Energy Amount)	•									
	Fuel Oil Consumption (Heat Rate)	•									
	Lube Oil Consumption	•		•							
	Emissions	•									
Warranty	On-site coordination and handling of warranty cases	•		•	•	•					•