

Damage assessment and repair services

Emergency response for engine
and boiler-based power plants



Fast response is the key to success

Time is of the essence when disaster strikes. Fire, explosions, flooding and storm damage to power plants do happen, and leave communities and businesses with severe impacts:

	<i>time pressure</i>
	<i>power delivery failure</i>
	<i>consumer electricity shortage</i>
	<i>revenue loss</i>
	<i>asset rehabilitation</i>
	<i>insurance claim handling</i>

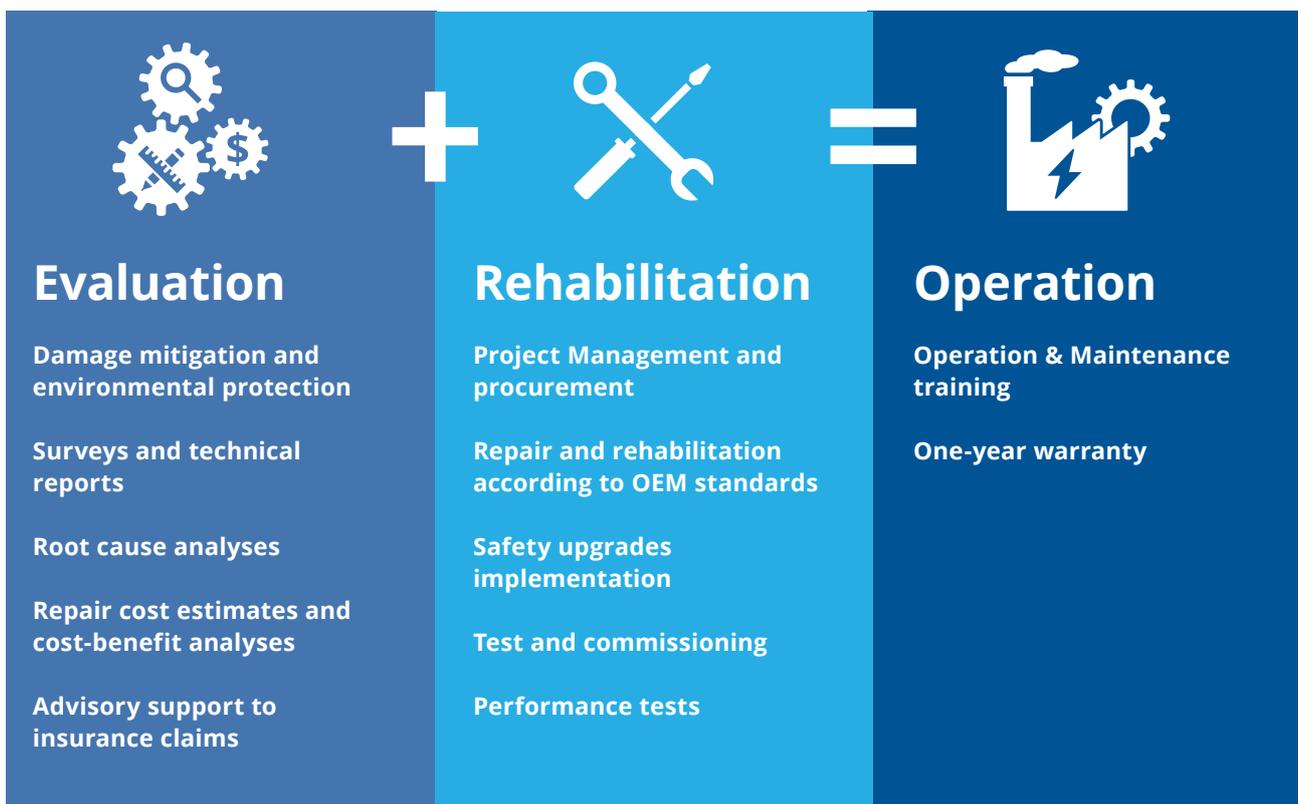
As power plant owner, constructor, operator, and service provider for more than 30 years, BWSC is the right partner to team up with in an emergency.

Our experience and know-how of power plants enable us to undertake complete rehabilitation projects and we guarantee that it is returned to operation as fast as possible.

BWSC urgently mobilizes, conducts surveys, mitigates, rehabilitates, customizes solutions and supports customers with dedication and skill, using a global network of OEM suppliers and to the highest QHSE standards.

Worldwide support when you need it

BWSC provides support through the two phases of a power plant's recovery – evaluation and rehabilitation, and back to full operation.



How we've helped our customers

Every accident is unique, but the fundamental requirements stay constant: getting the power plant up and running as quickly, effectively and safely as possible. Here are three examples of how BWSC has delivered results:

Case 1: Power barge replacement



124 Mwe



9 months
at site



0 LTI

After a major fire on a power barge in Central America, BWSC advised the owner to select a replacement barge as substitution.

BWSC assessed the replacement barge to define the scope of work necessary to prepare the replacement barge for its tasks, and subsequently performed procurement, shipment and installation of all required supplies and equipment.

After the repair, BWSC conducted full commissioning and performance tests of the power barge, providing updated documentation and as-built drawings.

Case 3: Trusted technical advisor



80 Mwe



25 months
at site



0 LTI

A technical malfunction led to a catastrophic explosion at a Pacific island's power plant. Two engines were severely damaged and the entire roof of the power station collapsed.

BWSC was selected to conduct damage assessment and – in cooperation with the loss adjuster – create an overview of the extent of the damages.

BWSC's investigations showed that one of the power plant's engines could be salvaged, whereas the other one was beyond repair. BWSC's conclusions and cost estimates were included in the owner's final claim documentation.

Case 2: Survey, root cause analysis, repair & rehabilitation



232 Mwe



19 months
at site



0 LTI

A defect in one of the diesel engines of a power plant in China led to a powerful explosion, damaging both engines. BWSC was contracted to expedite the plant's rehabilitation.

Following damage assessment, including root cause analysis, repair cost estimates and serving as technical advisor in insurance discussions, BWSC supervised the rebuild of surrounding structures, protection wall and safety equipment, recommending protective measures to reduce the risk of a recurring episode.

BWSC performed complete recovery works of the two generating units and the power house building, with power resumed ahead of schedule.

“

You can tell that BWSC's team has a lot of experience. It was a real pleasure working with BWSC. Thanks for all your dedication in helping us get the units back in operation.

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**Power Plant Director,
in letter of recommendation to BWSC**

Burmeister & Wain
Scandinavian Contractor A/S

Gydevang 35
DK-3450 Allerød
Denmark

P: **+45 4814 0022**

F: **+45 4814 0150**

bwsc@bwsc.dk

www.bwsc.com

www.linkedin.com/company/bwsc/

BWSC Panama

Panama City, Panama

P: **+507 264 2886**

North America Representation

Houston, Texas, United States

P: **+1 832 709 9974**

Facts about BWSC

BWSC is a global power plant Operation & Maintenance and technical service provider with engineering expertise. We are experts in servicing, upgrading, operating and maintaining energy systems for diesel, natural gas and renewable baseload power plants.

We help our customers increase reliability and availability of energy production, improve efficiency and performance of the power plant, design and install future-proof technologies to deliver sustainable and affordable energy, and secure low cost of maintenance.

Having designed and built hundreds of plants around the world, many on islands or in remote areas, we have the flexibility and know-how to deal with almost any limitation or challenge. Whether you are an EPC contractor looking for a reputable O&M provider for a greenfield facility, or a utility company looking for experts to deliver cost-efficient technical assistance or upgrades to your existing plant, we can help.



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