



# Ever better energy

BWSC meets current and future needs at power plants and green energy facilities worldwide.

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Dear Reader,

We live in a fast-changing world that constantly places new demands on engineering companies like ours. Change is no stranger to BWSC – we’ve been evolving since 1980, when we were spun off from Burmeister & Wain, and really all the way back to that company’s founding in 1843.

Today, megatrends such as population growth, growing demand for energy and, not least, climate change are necessitating change on an unprecedented scale. It would hardly be an exaggeration to say the world is calling on us to reimagine – and re-engineer – energy itself.

At BWSC we have answered this call with a new strategy and organizational structure that position us as a compelling provider of technical and advisory services for energy-related facilities and technology developers.

Yes, we still work with diesel-driven power plants and different types of thermal plants. But we are also working with emerging energy technologies, such as power-to-x facilities, new energy storage systems and carbon capture solutions.

In everything we do, our aim is to help our customers clarify and achieve their goals, and overcome their challenges. We feel uniquely able to do this via our expert consulting, engineering, installation, operation and maintenance services – all built on decades of experience and raw engineering talent.

Happy reading – and please feel welcome to contact me with any questions you may have.

Yours sincerely,

  
Jens Peter Koch, CEO

# Comprehensive services for power and green energy plants

Operating worldwide, BWSC provides power plants and green energy facilities with expert consulting, engineering, installation, operation and maintenance services.

Most of our customers are utilities, independent power producers or companies that generate electricity for their own use. We also serve a growing number of green energy pioneers in fields such as power-to-x, energy storage and carbon capture. We undertake projects of all sizes, from rapid-response repair tasks and feasibility studies to EPC management and comprehensive O&M partnerships.

Regardless of their industry, role, facility type or project size, our customers rely on us to help them achieve their goals, overcome any challenges along the way and reduce their carbon footprint.





# Engine and hybrid plant services

BWSC has long been a global leader in engine-based power plants and the remote or off-grid communities that rely on these facilities.

Today we provide customers worldwide with a broad range of engine plant services from overhauls and DCS upgrades to full scale O&M. We cooperate with leading suppliers enabling us to respond to our clients' technical needs.

We also help customers integrate renewable power sources into their engine based facilities to create more sustainable hybrid power plants.

Our services help customers continuously improve plant reliability and availability, improve profitability via greater efficiency, modernize with the latest technologies, reduce their carbon footprint, start the transition to green energy, and operate and maintain their facilities cost-effectively.

# Boiler plant services

Much of the world's power and heat generation comes from boiler-based plants, which include biomass and waste-to-energy plants as well as conventional power plants burning coal or other fossil fuels.

Operating primarily in Europe, BWSC provides these facilities with life extensions, efficiency improvements, capacity increase, fuel conversion, our proven turnkey O&M contracts and more.

These services help customers keep improving plant reliability and availability, achieve greater efficiency and the higher margins that go with it, reduce their plant's carbon footprint, and operate and maintain their facilities cost-effectively.



# Green energy solutions

In the field of renewables, exciting technologies such as electrolysis, carbon capture and thermal energy storage are placing new demands on the design, operation and maintenance of the facilities where they are installed.

Our Green Energy Solutions unit works with customers in Europe and beyond to tackle energy storage, carbon capture, power-to-x and related energy transition challenges. We do this via plant- and grid-related consulting, engineering, contracting and operation & maintenance services.

Backed by a wealth of engineering talent and more than 40 years of energy facility experience, these services help our customers clarify their ambitions, design and engineer their facilities optimally, operate and maintain their facilities cost-effectively, and meet project timeline targets and budgets.

## O&M and technical services

- Turnkey O&M contracts
- Secure return on plant assets
- Fixed Fee structure and guaranteed performance
- Proven lifecycle management programmes
- Bankable contracts
- Technical services and SLAs
- Cover all areas, including technical, electrical and control
- Tailored long-term service and frame agreements
- Upgrade and lifetime extension services on EPC terms
- Complete plant condition surveys and assessments

# Power plant experts for 40 years

BWSC is uniquely positioned to serve its customers thanks to forty years of experience with energy infrastructure, a diverse staff of seasoned experts, full technology independence and our 360° lifecycle solutions for power plants and green energy facilities.

## What we stand for



### Big picture perspective

A great power plant is reliable and efficient. But for us it's more than that. From a bigger perspective, a power plant should also be cleaner, have a longer service life, deliver greater business value and be able to adapt to new market demands, business needs and regulatory requirements.

### Always your advocate

BWSC is a highly experienced, fully independent provider of O&M, engineering, contracting and advisory services. We seek long-term partnerships with our customers, using our expertise and flexibility to understand their needs, challenge assumptions and always recommend the best solution.

### Continuous improvement

In the power generation and related businesses, technology is the key to progress and business success. We help our customers understand new technologies, provide guidance in decision-making, implement the chosen solution, and make sure it delivers on its promise throughout its lifecycle.

### Towards greener energy

We take an active role in the green energy transition. Knowing that all power plants can lower emissions, we apply our knowhow to help customers improve efficiency and move towards cleaner energy sources. Continuous contribution to the ever ongoing energy transition is in our dna.



## Ownership and history

BWSC has its origins in the stationary engine division of Burmeister & Wain, which built and installed diesel engines starting in 1904.

In 1980, BWSC was founded as a separate company that developed technologies for high-efficiency power plants. Subsequently, the company evolved into a global supplier of turnkey power plants based on diesel engine and thermal plant technologies, including biomass plants and waste-to-energy facilities.

In 1990, BWSC was acquired by the current owner, Mitsui E&S Holdings Co., Ltd. (MES), Japan. Our long-term ownership by Mitsui is our customers' guarantee of stable operations and financial strength. Customers can always rely on BWSC.

Today BWSC provides power plants and green energy facilities worldwide with consultancy, engineering, installation, operation and maintenance services.

**Founded:**  
1980

**Headquarters:**  
Allerød, Denmark

**Employees (2022):**  
608

**Revenue (2022):**  
DKK 1.033 bn

## History highlights

- 2022: BWSC enters Power-to-Hydrogen sector
- 2022: Boiler Service UK office established
- 2021: Green energy unit established
- 2015: BWSC Panama office established
- 2006: BWSC enters the biomass-to-energy sector
- 1994: First O&M contract obtained
- 1990: Japan's Mitsui E&S Holdings Co., Ltd. (MES) acquires BWSC
- 1980: BWSC established and sold to Sweden's Götaverken shipyard
- 1977: Contractor division established to focus on stationary engine plants
- 1904: The company starts building and installing diesel engines
- 1872: Burmeister & Wain founded with roots stretching back to 1843

# BWSC



# A partner for you?

BWSC is a people-focused company. Our customers come to us for talent they can't find elsewhere. And to carry out our work, we depend on close relations with our customers.

For this reason, we seek long-term partnerships with our customers, using our expertise and flexibility to understand their needs, challenge assumptions and always recommend the best solution.

We have found that our broad experience, technology independence and "always your advocate" mindset make us an attractive partner for our customers – many of whom keep coming back to us year after year.





## **About BWSC**

Headquartered near Copenhagen, Denmark, BWSC provides specialized consultancy, engineering, installation, operation and maintenance services at power plants and green energy facilities worldwide.

Forty years of experience with energy infrastructure, a diverse staff of seasoned experts, full technology independence and our big-picture approach make us uniquely able to help customers define their ambitions and reach them through expert design and continuous improvement of their facilities.

A key BWSC strength is our ability to help conventional power plants improve their environmental performance via fuel conversion, renewables integration and efficiency boosting technologies and practices. Combined with our solutions for biomass processing, waste-to-energy conversion, power-to-x, energy storage and carbon capture, this work demonstrates our commitment to the green energy transition.

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