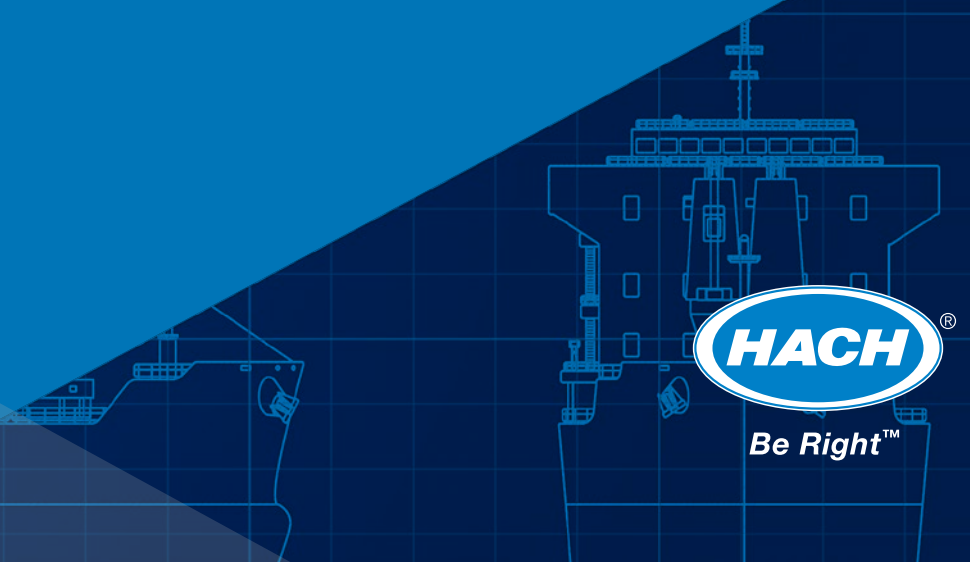




COMPLETE WATER ANALYSIS SOLUTIONS:

# Maritime Industry



Be Right™



## Complete Solutions, Worldwide Support

Since 1933, Hach® has offered water analytical instruments for process, lab, and handheld applications. Hach makes water analysis better, faster, simpler, greener, and more informative for customers in the maritime industry.

Hach's solutions can be found onboard vessels for gas scrubber applications, waste and potable water monitoring, ballast water disinfection monitoring, and recreational water monitoring. And our global support network – with locations in Europe, USA, Canada, Australia, and the Caribbean – means you can rely on us wherever your next voyage takes you.

Our technology ensures ship owners can save time and resources, and enjoy peace of mind. With preventive maintenance, calibration, and repair services available, you can be confident in keeping your mission-critical systems running. We understand how important your business and your equipment are to you, so we take pride in receiving certifications from the following organizations – Maritime Type Approvals: DNV, ABS, ClassNK, Japanese Government, and Korean Register.\*

### Type approvals:



**ClassNK**

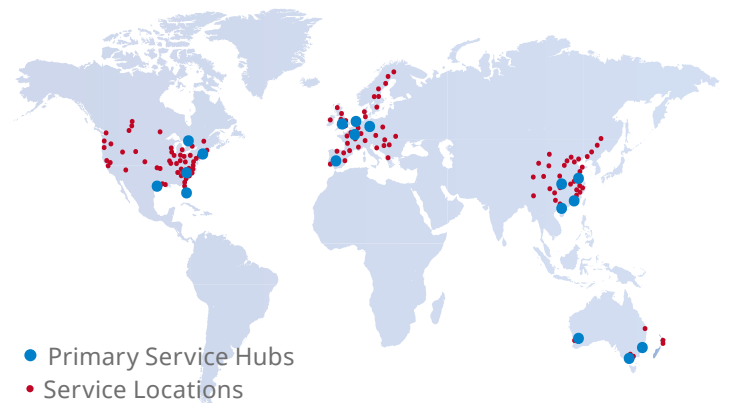


\*Certifications may be pending final reviews & certifications with certain Maritime Societies.

## First in Support and Service

We recognise your need for global support to maintain uptime and meet calibration interval requirements and maximise instrument dependability regardless of your location. With hundreds of mobile factory-trained field engineers located globally, large spare parts inventories, and factory repair centers on four continents, Hach is ready to provide you with calibration, preventative maintenance, and repair services where and when you need it. Remote support engineers in the USA and Germany are also available to assist over the phone, through email, or by chat. Hach offers both on-demand billable options as well as partnership plans for long-term support.

Also available is Hach Support Online (HSO) for real-time answers, user-friendly search tools, multiple types of content, and easy ways to connect with Hach experts.



**Be Right™**





## Water Analysis for Your Critical Systems

### Maintain SOx compliance with Exhaust Gas Cleaning

Hach is skilled in scrubber washwater analysis with years of experience with several manufacturers. Hach's robust and reliable portfolio of instruments has been proven for gas scrubber applications, including process and handheld measurements of turbidity, polycyclic aromatic hydrocarbons (PAH), pH, dissolved oxygen, and conductivity. Hach service engineers have provided onboard calibration, maintenance, and repair support globally.

### Avoid fines with efficient ballast water disinfection

Hach has the expertise to provide the right solutions for ballast water monitoring to maintain compliance with regulatory requirements, including treatment systems utilising UV disinfection or chemical disinfection. Hach continues to work closely with the maritime industry to develop instrumentation that meets the needs of the wide variety of stakeholders, including ship owners and operators, shipbuilders, Port State Control and other regulatory stakeholders, who are impacted by these regulations.

### Keep passengers safe with accurate potable water analysis

Hach's solutions are designed to make drinking water analysis better, giving you total confidence in the quality and safety of your potable water. Hach covers all the drinking water testing parameters that you use to analyse and treat water through filtration, disinfection, and distribution.

### Gain control of your wastewater treatment process

We understand and embrace the challenge of growing regulations impacting onboard wastewater treatment. By utilising Hach water analytical solutions you gain greater control of your treatment process to prevent downtime, minimise energy usage, and ensure regulatory compliance.

### Ensure safety with simple-to-use pool test kits

Ensure recreational water safety for your guests utilising Hach's simple-to-use test kits and portable lab options. Free and total chlorine, hardness, pH, alkalinity, calcium, and cyanuric acid are all available through Hach's established solutions portfolio.



### New SOx Regulations - Their Impact on You

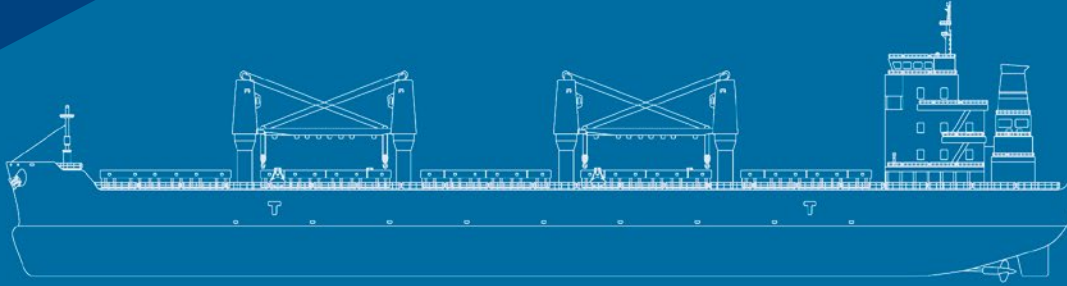
New mandates on sulphur limits, issued in 2020, mean that ship owners need maximum uptime from their analytical equipment, now more than ever. They need to partner with vendors who offer products with proven reliability, and who can provide expert service on a worldwide scale.

**Hach is your partner.** From achieving SOx compliance to monitoring a range of mission-critical systems, you can rely on our innovative technologies and global reach for expert, accurate water analysis – whatever port you call home.



Be Right™

# Monitoring Solutions by Application



- Wastewater Treatment
- Gas Scrubbers
- Recreational Water
- Potable Water
- Ballast Water Disinfection

		Parameters									
		pH	Conductivity	PAH/Oil-in-Water	Turbidity	Free Chlorine, Total Chlorine	Residual Disinfectant Level	Alkalinity	Suspended Solids, TDS	Organic Load	Hardness
Application	Exhaust gas cleaning	●	●	●	●	●		●		●	
	Ballast water			●		●	●	●	●		
	Potable water	●	●			●	●	●	●	●	
	Recreation / Pool	●	●			●	●	●			●
	Wastewater	●				●				●	●
Hach Solutions	Portable meter	●	●			●	●	●	●		
	Laboratory meter	●	●	●		●	●	●	●		●
	Online probe*	●	●	●		●	●	●		●	●
	Online analyser					●	●		●	●	●

\*Requires controller

For a full product portfolio and a complete list of parameters please contact your Hach representative.