

Underwater hull inspections

Fast, safe and effective underwater
hull inspections with Remote
Operated Vehicles (ROVs)



Your eyes underwater

Faster, easier and more effective underwater inspections to improve your hull maintenance decisions.



In order to maximise profits, every vessel needs to operate at maximum efficiency. Delivered by one of our ROV experts using a Remote Operated Vehicle (ROV), our hull inspection service helps you boost efficiency, both in port and out at sea.

Fuel efficiency and the associated reduction in CO₂ emissions require that your hull is in excellent condition, without damage or fouling. The best way to know if repair or cleaning is required is to take a look underwater. But most hull inspection services are time-consuming and expensive – and reporting can be inconsistent. Our hull inspection service gives you a much more effective solution.

Increased efficiency in port and at sea

Our hull inspection service includes a full report on the state of your hull with images and actionable insights. The report is compiled by our hull maintenance experts and includes recommendations to improve speed loss control, voyage planning and maintenance scheduling.



Thanks to the use of an ROV, our hull inspections can be completed in as little as two hours.

They are delivered by one of our ROV experts, who are based close to major ports to make arrangement and deployment simple. As no diving is required, you don't need to shut down your vessel's systems and the service can be delivered whether your vessel is at port or anchorage.

Easy deployment and safe operation

Cost-effective and flexible ROV deployment takes less time in port and eliminates safety risks associated with diving.

Your eyes underwater

Photographic images and video recordings provide accurate and consistent data.

Hull cleaning support

An excellent solution for both pre-cleaning assessments and post-cleaning reporting.

Better decision making

Simple deployment makes more frequent inspections possible, for better informed decision making.

Actionable insight

Report on underwater hull condition helps you to make the right decisions to maximise fuel efficiency, minimise emissions and reduce maintenance costs.

Environmental compliance

Our service enables us to create and maintain an effective biofouling management plan with all the necessary port authority documentation in compliance with environmental regulations.

Dry docking project planning

Avoid unexpected surprises by conducting an in-water inspection before dry docking.

Achieve better hull performance

Combine inspections with SHAPE

Marine Services

Your vessel, our expertise – a performance partnership

Increase hull performance with frequent inspections

Using ROVs for hull inspections simplifies the inspection process, allowing for more frequent and less costly hull inspections.

Frequent inspections help to create a more complete picture of the hull condition and evaluate hull performance.

For vessels enrolled in our SHAPE program there will be very strong synergies by combining underwater visuals with existing data collection systems.

Hempel SHAPE digital analysing tool, based on the ISO 19030 framework, combines all the elements of efficiency optimisation. This includes high quality data gathering, expert analysis, decisive advice and world class hull coatings, whatever the age, size and operating patterns of your vessel.

This is much more than performance monitoring. This is fuel efficiency intelligence.

Why hull performance matters

Hull performance remains a crucial element in understanding fuel performance, regardless of vessel type.

Vessels may have longer voyages with higher speed and activity, or less predictable patterns with slower speed and more idling. In both cases, hull performance has a big impact on fuel.

Through the ISO methodology, SHAPE is able both to monitor long term trends via the In Service performance KPI, and also short term trends through the Maintenance Trigger KPI.

This adds real value regardless of vessel type or activity level, generating data to understand how much the hull is affected by long idle times, allowing you to take fact-based decisions.

Efficiency, powered by Hempel Services

Whatever type of vessels you operate, it's vital that you control operating expenses to reduce total cost of ownership and ensure profits. Even marginal gains can make a big difference, which is why we provide services that help you drive down costs and maximise your return on investment.

Whether you're coating the underwater hull, cargo holds or ballast tanks, our expert Coating Advisors will ensure you get a high-quality finished coating that will deliver value for its entire service life.

Not only that, but our certified Project Managers also provide holistic application management solutions for both newbuild and maintenance projects – to help you reduce project costs, optimise resource deployment and minimise time in dry dock.



Why use Hempel Services?

Increase return on investment

- Lower docking and application costs
- Optimise docking time

Ensure coating performance meets specifications

- Decrease long-term maintenance requirements
- Increase fuel efficiency and reduce emissions

Save time and resources

- Ensure projects stay on time and on budget
- Free up resources so you can focus on your core business

As a world-leading supplier of trusted coating solutions, Hempel is a global company with strong values, working with customers in the protective, marine, decorative, container and yacht industries. Hempel factories, R&D centres and stock points are established in every region.

Across the globe, Hempel's coatings protect surfaces, structures and equipment. They extend asset lifetimes, reduce maintenance costs and make homes and workplaces safer and more colourful. Hempel was founded in Copenhagen, Denmark in 1915. It is proudly owned by the Hempel Foundation, which ensures a solid economic base for the Hempel Group and supports cultural, social, humanitarian and scientific purposes around the world.

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