



May 24, 2024

NS United Kaiun Kaisha, Ltd.

Introduction of Hold Cleaning Robot for Our Managed Vessels

Cargo holds that receive various types of cargo must be periodically hold cleaned in order to load various cargo. This is one of the most important initiatives in bulk carrier operations. If this is not done properly, it can lead to problems, such as damage claims and additional cleaning requests from shippers, and suspension of hire payments. There are also risks associated with working at heights, because this work is done by human hands by crew members.

In order to respond to these problems safely and efficiently, we have deployed hold cleaning robots provided by CLIIN (Denmark) to some of our management vessels. The robots, which were actually controlled remotely by the crew, were able to climb the walls of the cargo hold and remove cargo residues with high-pressure water. As a result, they were able to perform hold cleaning safely and efficiently, which is exactly what we expected.

We will continue to verify the latest technology and contribute to improving crew safety and work efficiency.



< Crew work at heights for hold cleaning >



< Hold cleaning robot >

(From CLIIN's website)

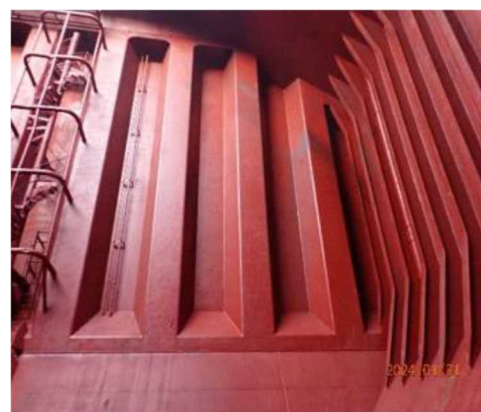


< Robot that washes high pressure water

in the hold of our management vessel >



< Before hold cleaning (our management vessel) >



< After hold cleaning (our management vessel) >

For inquiries, please contact:

Takashi Kawamoto, Group Manager

Ship Management Group

(Telephone: +81-3-6895-6586)