



## Ultra Deep Solutions chooses Hempel's antifouling and Hempaguard® for three newbuild vessels

UDS (Ultra Deep Solutions) specialises in supporting deep-water offshore construction. When UDS set about building the three most advanced DP (Dynamic Positioning) vessels in the industry, it knew it wanted the best hull coatings available. UDS asked us to specify a solution that would not only provide excellent protection against fouling, but could also be applied efficiently during newbuilding.

"We chose Hempel because they are known as an experienced supplier with the best coatings in the industry and renowned Technical Service. They have certainly lived up to their reputation. Their solution was tailored perfectly to our needs, and they have given us excellent support, taking responsibility for the application work and ensuring it runs smoothly and efficiently."

Jithu Sukumaran Nair, General Manager, Shipbuilding & Design, UDS

Our solution met all of UDS' requirements. For one vessel, we specified Dynamic, an advanced antifouling with exceptionally low leach layers and best-in-class biocides. For the other two vessels, we specified Globic 9000, a best-in-class nano-acrylate antifouling, and Hempaguard X7, a fouling defence coating that combines the smooth surface of silicone with the controlled release of biocides to deliver advanced fouling protection, even in idle conditions. This combination ensures an efficient application process for newbuild vessels, and extremely good fouling prevention, even during periods of low activity or long idle periods.

Our expert coating advisors were at the shipyard during the entire application process, working closely with the yard and owner teams – from planning to application – to ensure a fast and efficient process, and high quality finish.

"I find Hempel the closest paint to truly delivering long life: similar to a fine 'oil painting on canvas'. We expect superior quality in our vessel paints, as our ships go through the harshest conditions in the world. The longevity in a quality paint such as Hempel gives us confidence in the protection of our assets. We expect years of protection and with Hempel we have found that."

Shel Hutton CEO/CHAIRMAN ULTRA DEEP SOLUTIONS | ULTRA DEEP SUBSEA

## Advanced technical service ensures smooth application for Ultra Deep Solutions' newbuilds

UDS (Ultra Deep Solutions) specialises in the design, construction and operation of diving vessels for offshore work. This includes building the most advanced DP (Dynamic Positioning) vessels in the industry, which are designed to enhance the efficiency and safety of deep-water offshore construction. This dedication to advanced technology encompasses the entire vessel, from the 18-man twin-bell saturation system to the coatings on the hull.

### The challenge

As dive support ships, DP vessels are static in the water for much of the time. This makes them extremely susceptible to fouling. When building three new DP3 vessels, UDS wanted the best fouling defence coatings available. They asked us to specify a solution that would not only provide excellent protection against fouling, even during long idle periods, but could also be applied efficiently during newbuilding.

### The solution

Our solution met all of UDS' requirements. For one vessel, we specified Dynamic, an advanced antifouling with exceptionally low leach layers and best-in-class biocides. For the other two vessels, we specified a combination of Globic 9000 on the flat bottom and Hempaguard X7 on the vertical sides.

The combination of Globic and Hempaguard is perfect for UDS' needs. Globic can be applied during block stage in the shipyard, and its nano-acrylate technology provides full antifouling protection as soon as it touches the water, making it ideal for vessels with a long outfitting period.

Hempaguard is our most advanced coating to date, combining silicone hydrogel with the controlled release of biocides. It is preferably applied in 'one go' before launch. We took full responsibility for application, and worked closely with the yard and owner teams, helping plan the application process during the different stages while overseeing application. This ensured a fast and efficient process, and high quality finish.



### At a glance

Vessel owner:	Ultra Deep Solutions
Location:	Shenzhen, China
Vessels:	Van Gogh, Andy Warhol, and Ultradeep Matisse
Coating system:	Hempaguard X7, Globic 9000, Dynamic
Vessel areas:	Flat bottom and vertical sides
Date of application:	2017

### The Hempel Group Head Office

Hempel A/S, Lundtoftegaardsvej 91, 2800 Kgs. Lyngby, Denmark  
 Tel: +45 4593 3800 Email: [hempel@hempel.com](mailto:hempel@hempel.com) [hempel.com](http://hempel.com)