

Press Release

Copenhagen Subsea launches the robust Gorilla ROV to handle tough offshore work

[Copenhagen, 23 March, 2020]

Denmark-based Copenhagen Subsea has launched their new powerful Gorilla Remotely Operated Vehicle (ROV). Like its namesake, the Gorilla is particularly robust and reliable in challenging subsea environments in the offshore industry. It is equipped with an intelligent state-of-the-art Dynamic Positioning (DP) system and is based on Copenhagen Subsea's successful rim-driven thruster technology and standard electronic components from Japanese electronic supplier OMRON, making it easy to maintain.

The Gorilla is a 1.5 x 1 meter underwater robot capable of diving down to 600 meters, designed for offshore inspection tasks such as drilling platforms or offshore wind turbines. It carries up to 70 kg and has an easy to understand payload interface with a power supply and separate fiber cable connection, dedicated to customer-specific requirements.

"Often customers ask us if we can mount our electric thrusters on their existing subsea vehicles. Such retrofitting is relatively expensive, because electronics often must be replaced too. That's why we decided to develop a complete solution from scratch in the form of an ROV optimized for such customer needs," Copenhagen Subsea CEO, Allan Nygård Berthelsen explains.

The Gorilla is simple to maintain with easy access spare parts and is easily controlled thanks to the thruster technology. This unique combination, of exceptional reliability and robustness with manoeuvrability and power, makes the Gorilla ideally suited for completing offshore tasks in tough conditions.

"Reliability has been our highest priority throughout the design and development phase. By combining our existing electric thrusters with OMRON's industrial components, we have built a vehicle that ensures the utmost operational reliability, allowing our customers to execute their tasks on time, to budget and safely, and with no need for divers in the water," Nygård Berthelsen continues.

"The Gorilla builds on the success of our original thrusters, which we already sell all over the world, and have global ambitions for this ROV too. We expect a significant market among operators who need to perform technically challenging offshore work, in conditions that are always tough and can change rapidly."

Solves known ROV problems – and easy to operate

The Gorilla design means it is easy to operate and solves a number of common problems in offshore work, with automatic control of position, depth, altitude, heading, pitch and roll and ability to sense the seafloor from up to 70 meters above.

Many ROV manufacturers develop their own electronics, but Copenhagen Subsea has integrated standard industrial hardware electronics which are better, cheaper and more thoroughly tested than anything they could produce themselves – a critical differentiator for the Gorilla's reliability. These standard components durable in extreme environments and, are always in stock and can quickly be delivered, making maintenance simple and easy.

"We at OMRON are proud of our involvement in the state-of-the-art Gorilla ROV from Copenhagen Subsea. Our components are designed for longevity in extreme environments and thus complement and enhance the robustness of the Gorilla, providing it with a critical differentiating factor compared with other ROVs. Our involvement with the Gorilla demonstrates that OMRON parts have the potential to make sophisticated machinery even more robust and easy to maintain in tough conditions," says Per Pilegaard, Country Manager, OMRON in Denmark.

About Copenhagen Subsea

Copenhagen Subsea was founded in 2014 and designs, develops and markets high quality, reliable, innovative and aesthetically designed electric subsea thrusters for the maritime industry. Its solutions are tailor-made to meet customer needs, based on a combination of different propellers and in- and outlet rings, which can be configured in asymmetric or symmetric setups to improve hydrodynamic performance.

Read more: www.copenhagensubsea.com/gorilla-rov

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Press contact

CEO, Allan Nygård Berthelsen, anb@copenhagensubsea.com, +45 81 24 69 44