



# Echo voyager power system

Echo Voyager - the world's only vehicle of its size and capability - has spent over 10,000 hours operating at sea and transited hundreds of nautical miles autonomously. As a leading global aerospace company, Boeing develops, manufactures and services commercial airplanes, defense products and space systems for customers in more than 150 ...

Boeing has announced Echo Voyager, the company's latest unmanned undersea vehicle (UUV), which can operate autonomously for months at a time thanks to a hybrid rechargeable power system and modular payload bay.. The 51-foot-long vehicle is not only autonomous while underway, but it can also be launched and recovered without the support ...

The Orca will feature a hybrid diesel/Li-ion battery rechargeable power system to enhance endurance, with the platform expected to achieve a maximum operational range of 6,500 nautical miles (12,000km) at cruising speeds of 3-8 knots (5-14km/h). The precursor to Orca, Echo Voyager, initiated in 2012, served as a proof-of-concept XLUUV.

Based on Boeing's Echo Voyager prototype UUV, the 15.5m-long submersible could be used for mine countermeasures, anti-submarine warfare, anti-surface warfare, electronic warfare and strike missions. Berenice Baker finds out more. ... US Naval Sea Systems Command spokesperson Alan Baribeau said of the selection: "The Orca XLUUV is a multi ...

Related: Unmanned underwater vehicle (UUV) for long-endurance persistent surveillance use introduced by Kongsberg. The Orca XLUUV will have well-defined interfaces for cost-effective future ...

Echo Voyager is the largest of the innovative UUV family, joining the Echo Seeker and Echo Ranger. Echo Voyager is capable of operating autonomously at sea for months at a time due to its hybrid rechargeable power system supported by a lithium-ion energy storage solution from Corvus Energy.

Echo Voyager has an overall length of 26m, including the length of added payload carriage. It is 2.6m-wide and weighs 50t in air. The submersible can carry out operations for months since it is fitted with a hybrid rechargeable power ...

Boeing Introduces Massive Echo Voyager UUV. 10 March 2016 - Boeing today introduced Echo Voyager, its latest unmanned, undersea vehicle (UUV), which can operate autonomously for months at a time thanks to a hybrid rechargeable power system and modular payload bay.. The 51-foot-long vehicle is not only autonomous while underway, but it can also ...

The new hybrid rechargeable power system allows the Echo Voyager to submerge for long distances without



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the need to "refuel". It can spend up to 6 months underwater without being attached to a surface vessel like the earlier Echo Ranger ...

Echo Voyager employs a hybrid rechargeable power system. Lithium-ion batteries propel it beneath the surface until their charge runs low, then the submarine surfaces, raises a ...

The propulsion system is a hybrid diesel-electric rechargeable system. Batteries power the main electric motor, enabling a maximum speed is about 8 knots. Electrically powered auxiliary thrusters can be used to precisely position the vessel at slow speed. ... 4 October 2018 update: Progress in Echo Voyager development. Echo Voyager is based at ...

Boeing Co."s Echo Voyager has headed back to sea for a second round of testing, as the aerospace company looks to demonstrate the underwater drone"s more sophisticated capabilities for a U.S.

Boeing"s 51-ft (15-m) autonomous submarine Echo Voyager has taken to the open water for the first time as sea trials get underway. The eXtra Large Unmanned Undersea Vehicle (XLUUV) is being ...

Echo Voyager, Boeing"s latest unmanned undersea vehicle (UUV), can operate autonomously for months at a time thanks to a hybrid rechargeable power system and modular payload bay.

The Orca will feature a hybrid diesel/Li-ion battery rechargeable power system to enhance endurance, with the platform expected to achieve a maximum operational range of 6,500 nautical miles (12,000km) at cruising ...

The 51-foot-long vehicle is not only autonomous while underway, but it can also be launched and recovered without the support ships that normally assist UUVs. Echo Voyager is the latest innovation in Boeing"s UUV family, joining the 32-foot Echo Seeker and the 18-foot Echo Ranger, both developed as test beds.

The Orca XLUUV is the successor Boeing"s Echo Voyager, an XLUUV that has spent over 10,000 hours operating at sea and autonomously transited hundreds of nautical miles By Abi Wylie / 04 Jan 2024. Follow UST ... Robotic Systems Power Next-Gen Australian Naval Vessels Australian industry leaders forge new partnerships in autonomous vessel ...

Echo Voyager employs a hybrid rechargeable power system. Lithium-ion batteries propel it beneath the surface until their charge runs low, then the submarine surfaces, raises a snorkel mast, and runs diesel-powered generators to recharge the batteries. Like a conventional manned diesel-electric submarine, once the batteries are charged it lowers ...

Boeing"s Echo Voyager, a multi-market, pier-launched, modular, long-range Extra Large Unmanned Undersea Vehicle (XLUUV) shifts that paradigm. The Boeing Solution Echo Voyager is a game-changing platform, capable of performing as a multi-mission system and playing a pivotal role in future force structure. The vehicle"s advanced autonomy



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Boeing has introduced the Echo Voyager, its latest unmanned, undersea vehicle (UUV), which it claims can operate autonomously for months at a time thanks to a hybrid rechargeable power system and modular payload bay.

Echo Voyager, Boeing's latest unmanned, undersea vehicle (UUV), can operate autonomously for months at a time thanks to a hybrid rechargeable propulsion power system and modular payload bay. The 51-foot vehicle is the latest innovation in Boeing's UUV family, joining the 32-foot Echo Seeker and the 18-foot Echo Ranger.

Boeing has introduced Echo Voyager, its latest unmanned, undersea vehicle (UUV), which can, reportedly, operate autonomously for months at a time thanks to a hybrid rechargeable power system and modular payload bay. The 51-foot-long vehicle is not only autonomous while underway, but it can also be launched and recovered without the support ...

The Orca XLUUV is the successor Boeing's Echo Voyager, an XLUUV that has spent over 10,000 hours operating at sea and autonomously transited hundreds of nautical miles By Abi Wylie / 04 Jan 2024. Follow UST ...

The 51-foot Echo Voyager can operate autonomously for months through a hybrid rechargeable power system and payload bay, and can be launched and recovered without support ships. "A great accomplishment is being recognized here today," Darryl Davis, president of Boeing Phantom Works told a mixed crowd of Boeing employees, dignitaries ...

(Echo Voyager, Boeing's latest unmanned, undersea vehicle (UUV), can operate autonomously for months at a time thanks to a hybrid rechargeable propulsion power system and modular payload bay. The 51-foot vehicle is the latest innovation in Boeing's UUV family, joining the 32-foot Echo Seeker and the 18-foot Echo Ranger. Photo credit: Boeing)

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