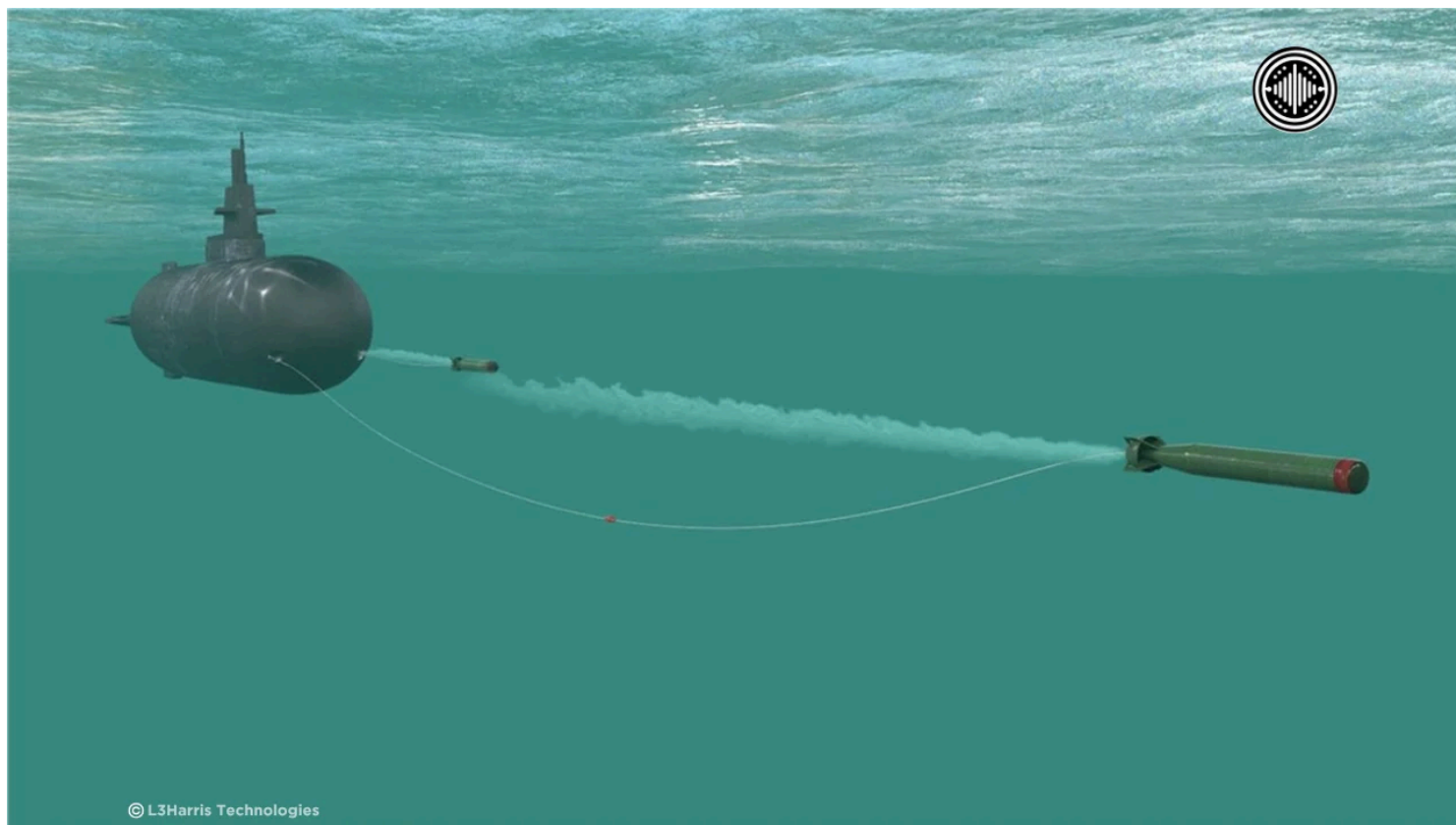


L3Harris Advances Torpedo Development with Successful Power Plant Test

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L3Harris Technologies has completed a test of a new propulsion power plant designed for the next generation of lightweight torpedoes. Conducted on 1 August 2025 at the company's facility in Orlando, Florida, the trial marks a key milestone in the development of the Stored Chemical Energy Propulsion System (SCEPS) for the MK 54 Mod 2 Increment 2 torpedo.

Developed through L3Harris' Aerojet Rocketdyne division, the propulsion unit incorporates a lithium boiler that generates steam to power a turbine, a significant advancement over traditional chemical propulsion systems. The new design is intended to enhance both the speed and manoeuvrability of the MK 54 torpedo, which is deployed from surface ships, fixed-wing aircraft, and helicopters.

Scott Alexander, President of Missile Solutions at Aerojet Rocketdyne, highlighted the importance of the test, stating that the power plant represents the heart of the advanced torpedo system. He confirmed that L3Harris would move forward with integrated system testing, including the afterbody, before the end of the year.

The Orlando site is the only facility currently capable of full-scale SCEPS manufacturing. The company is working under contract to deliver a complete propulsion package, comprising the power plant, tail section, and afterbody. L3Harris is also investing its resources to support the parallel development of prototype components beyond the core Navy programme.

The MK 54 Mod 2 is a critical asset in the evolving undersea warfare strategy, aimed at countering increasingly capable submarine threats. The propulsion upgrade is expected to significantly improve mission performance and response capability in dynamic maritime environments.

Defence analysts note that SCEPS offers clear advantages over conventional electric and Otto-fuel propulsion systems, particularly in terms of endurance and efficiency. L3Harris maintains a full suite of torpedo propulsion solutions tailored to a range of operational

requirements, and the latest test positions the company at the forefront of undersea weapons innovation.

This successful trial underlines L3Harris' commitment to advancing naval capabilities through technological leadership, as the company prepares to deliver the next generation of torpedo systems not only to America but also to its allies, including the United Kingdom.