

At Hypermotive, we're often the integration partner that helps transform a vehicle or vessel from concept into a production-ready reality. Our recent collaboration with Seahorse Amphibious Vehicles is a perfect example of this. Their amphibious passenger vehicles (APVs) will be seen ferrying tourists on the waterways and roads of the iconic cities of the world. However, a growing number of these cities are introducing low-emission zones which required Seahorse to develop a new type of cleaner, greener vehicle. . Seahorse's vision to create a fully zero-emission APV meant going back to the drawing board for a clean sheet design and working with partners able to supply the latest zero emissions technologies.

Seahorse had designed the base architecture of their battery-electric amphibious vehicles, selected key powertrain suppliers, and assembled the core components. What they needed next was a partner who could bring it all together.

Hypermotive is proud to be recognised for exactly that, zero emissions systems integration. We specialise in turning complex requirements into fully integrated systems, drawing on the capability of our engineering team and our in-house manufacturing operation. Whilst we've delivered into numerous hypercar, motorsport, marine and



defence programmes over the past decade, this was a first for us: an amphibious vehicle. Not only did its all-new, all-electric architecture have to meet marine and road-going safety and legislative standards, but also stringent passenger-carrying regulations..

Drawing on our significant experience developing specialist, high-performance and niche electrified platforms, Hypermotive support both the vehicle manufacturers and powertrain/technology suppliers in selecting components compatible with the system architecture, environmental constraints, and assembly processes. Low and high voltage harness manufacturability is a key consideration when integrating electrical systems, optimising harness routing, termination, and ensuring repeatable build quality. On-site engineering support during initial mock-up and harness installation ensures that design intent is maintained through to production. As a result, any installation or integration issues are resolved early in the process – avoiding costly re-work during development and acceptance testing.

For both the Seahorse Mark IV (currently heading to an international customer) and the Mark V, (launching in London in 2026) Hypermotive designed, and are now manufacturing the all-important high-voltage and low-voltage wiring harnesses safely, efficiently and reliable connecting the vehicles' electrical systems.



As is often the case in the niche vehicle world, the real challenge lies in scaling a concept into a production-ready product. Thanks to their clarity of vision and the support of trusted partners, Seahorse is proving that not only can it re-imagine the future of zero-emissions amphibious tour vehicles, but it can also deliver it.

Agile teams from both Seahorse and Hypermotive worked side-by-side, meeting tight timelines and creating an industry first. We have collectively leveraged our shared experience across marine, commercial vehicle and automotive applications to deliver this impressive, go anywhere vehicle .

We're excited to support the next phase of Seahorse's growth and their ambitious production plans from their UK facility.

About Hypermotive

Hypermotive provides end-to-end engineering and manufacturing services for niche vehicle applications, specialising in zero-emission technology. From integration support to product development and low-volume manufacturing, we help forward-thinking OEMs and start-ups bring their innovations to market.