

INTEGRATING AUTOMOTIVE PROTOCOLS INTO LEGACY HIL FRAMEWORK

How a North American OEM validated Some/IP and DoIP without replacing existing infrastructure

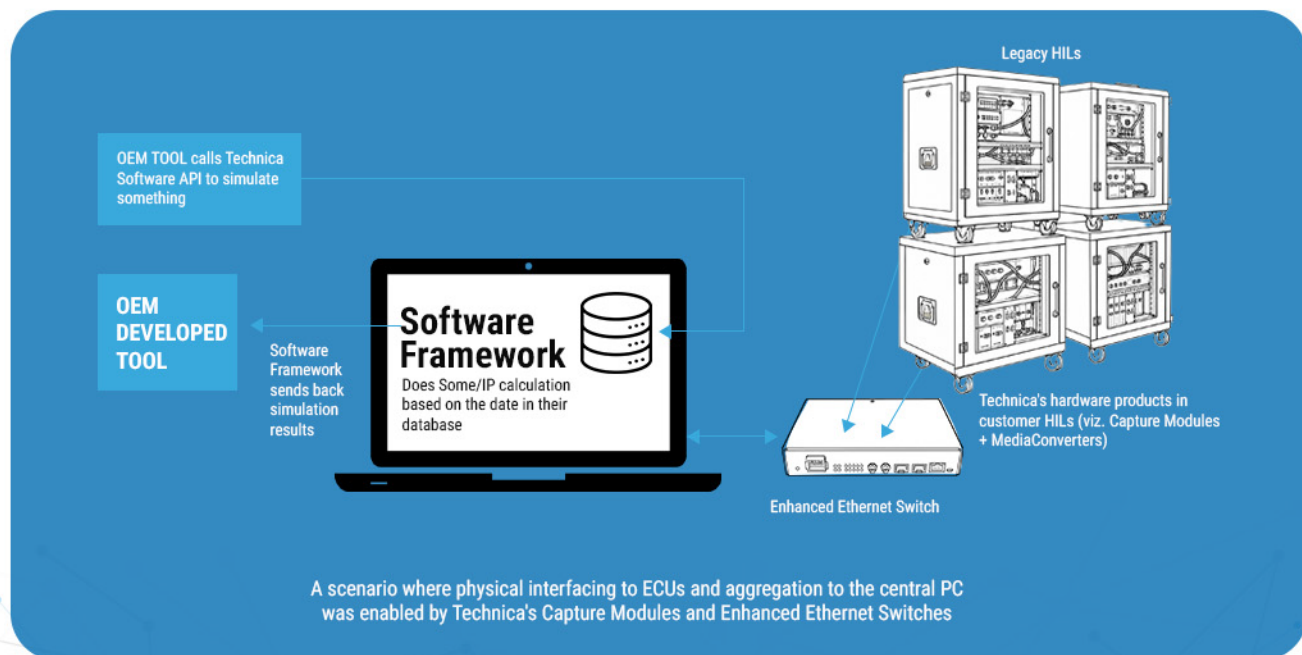
The challenge

For a North American OEM running large infotainment HIL environments, the problem wasn't capability, it was continuity. Their OEM-developed automation framework was deeply embedded. Migrating to a new system or vendor meant rebuilding workflows that had taken years to establish, at a cost that wasn't justifiable.

But Some/IP and DoIP validation couldn't wait. The existing system had no path to support modern IP-based automotive protocols. The team needed a way forward that didn't require starting over.

The solution

Technica integrated its software tool SDK directly with the OEM's existing automation framework, enabling Some/IP simulation and processing without displacing what was already in place. On the hardware side, Technica's Capture Modules (LIN/CAN), Enhanced Ethernet Switch, and MediaConverter provided physical interfacing to ECUs and aggregated data to the central PC – slotting into the existing architecture with no disruption.



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The results

- Modern protocol validation – Some/IP and DoIP – running on existing HIL infrastructure.
- Zero migration cost. Zero workflow disruption.
- HILs standardized for repeatable deployment and future scaling.
- Space optimised for future sensor expansion without.

Want to see Technica's Capture Modules in action?
Join us for a webinar and live demo.



 June 17, 2026

 01:00 PM Stuttgart | 04:30PM Mumbai | 07:00AM Detroit

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