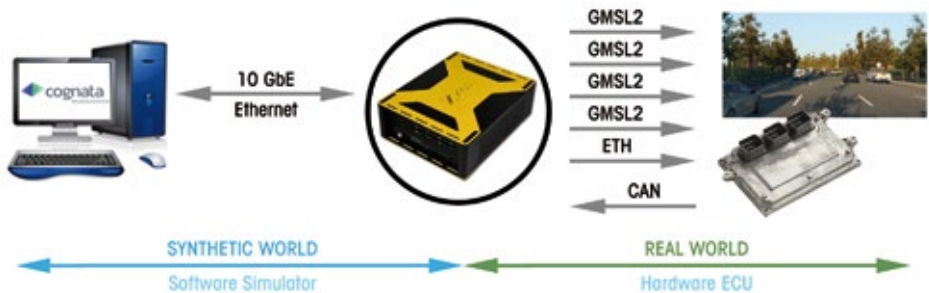


Cost-effective, Real-time Demo HIL System by Xylon and Cognata

Complete Multi-Sensor Processing

Xylon, an Embedded electronics specialist, and Cognata, a cutting-edge autonomous driving technologies provider, are working together to provide a comprehensive ADAS and AV Hardware-in-the-Loop (HIL) solution. Together, they developed a unique demo that connects multiple heterogeneous vehicle sensors (video cameras, LIDARs, RADARs, Thermal Cameras, and more) modeled within Cognata's photorealistic simulation platform into physical automotive sensory inputs to a hardware ECU. The full demo setup works in closed-loop HIL and is based on the ECU's responses to interactively influence the simulated scenarios.



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Watch the demo video:
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