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CODESYS ✕ **ONLOGIC** ✕ **intel**

CODESYS Virtual PLC + SIL3 SoftSafety on OnLogic HX521, featuring an Intel® Core™ Ultra processors

This demo showcases multiple CODESYS Virtual Control SL instances in containers (Docker) on Linux and demonstrates CODESYS Virtual Safe Control SL.

Virtual Safe Control enables a standard Intel® CPU to run SIL3 safety logic. This highlights that vPLCs are hardware-independent and can be scaled flexibly (function/quantity) without the need for dedicated hardware PLCs. They can be deployed on standard IT devices like industrial PCs up to Edge-Servers.

This demo also leverages Intel® Time Coordinated Computing (Intel® TCC) to further improve determinism on modern Intel platforms.

Partner Links:
Codesys
https://www.codesys.com/products/runtime/virtual-control-sl/

OnLogic HX521
https://www.onlogic.com/store/hx521/

Partner Name
Codesys + OnLogic

Booth Location
4-307

Solution Names
- OnLogic HX521
- CODESYS Virtual Control SL

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