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Powering the Future

congatec System Consolidation Platform Integrates motion control, AI, and HMI workloads from three standalone systems into on Intel® Core™ Ultra based computing module. Experience the power of the Intel Core Ultra processors, the heart of conga-TC700 Computer-on-Module, where three distinct workloads run independently on separate operating systems. The real-time capable hypervisor from Real-Time Systems enables strict separation between three bare metal virtual machines. Instead of using three dedicated systems to fulfil the tasks of motion control balancing a ball on a plate with precise adjustments while simultaneously using AI-powered embedded vision, accelerated by Intel's OpenVINO™ Toolkit, to track the ball's movements via a camera and operating a responsive HMI for seamless user interaction this setup uses only one module. Operated on the powerful Intel Core Ultra processor with AI acceleration, this setup demonstrates how designers can easily save hardware costs, reduce complexity and still ensure deterministic real-time performance.

Partner Link:

<https://www.congatec.com/en/products/com-express-type-6/conga-tc700/>

Meeting Request:

sales-us@congatec.com

Partner Name

congatec

Booth Location

3039

Solution Names

- congatec System Consolidation Platform
- conga-TC700 Computer-on-Module