CODESYS SAFETY

CODESYS Feature Briefing, October 2024

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AGENDA

1. CODESYS Safety SIL2
2. CODESYS Safety for EtherCAT Safety Module
3. CODESYS Safety Add-on
4. CODESYS Safe Control Core

Release V3.5 SP21

- **SIL2 release for V3.5 SP20 skipped**
- **SIL2 for Factory**
  - PLCopen Safety FBs V2.0
  - Minor bug fixes and improvements
- **Release based on V3.5 SP21 scheduled for Q2/2025**

Roadmap V3.5 SP21

- **Independent release for Safety SIL2**

Release V4.4.0.0

- Maintenance and bug fix version

Release V4.4.0.0

- Independent release
- Support of Beckhoff AX8000 drives

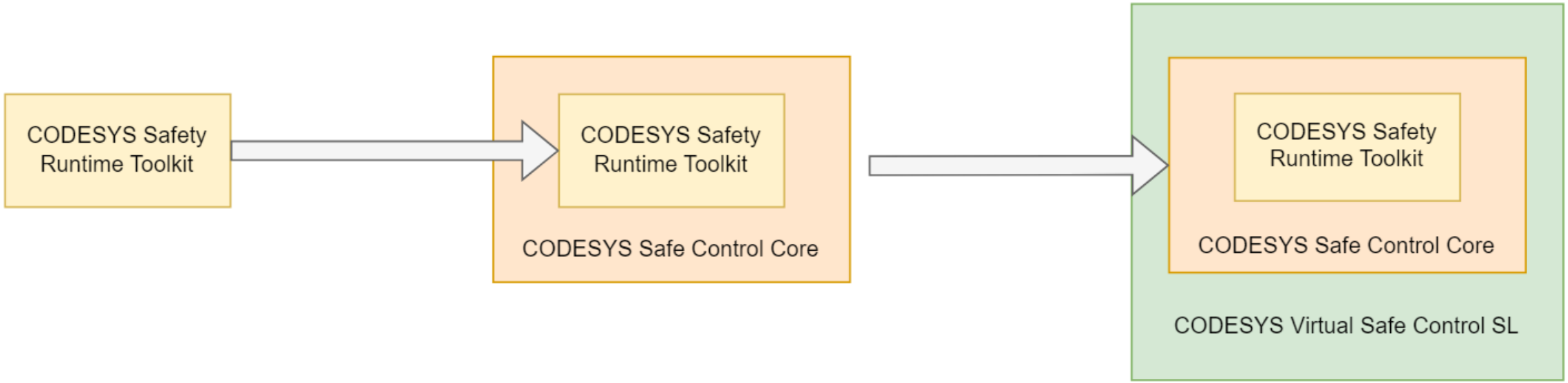
Release V4.2.0.0

- First safety add-on qualification with TÜV Süd
- Qualification with new FSM process
- Independent from CODESYS Essentials
- Support of 64-bit CODESYS
- Profisafe V2.6 / TCI Support

Release V4.3.0.0

- Minor improvements for Virtual Safe Control SL support
- Release planned for December 2024

Product portfolio Safety SIL3 Runtime



- RTS in source
- Unit / integration tests
- Safety add-on
- User / integration manuals

- Safe Control Core delivered as a binary file
- Profisafe V2.6
- User / integration manuals

- Virtual Safe Control SL
- Ready to use
- App-based business model

As it is today

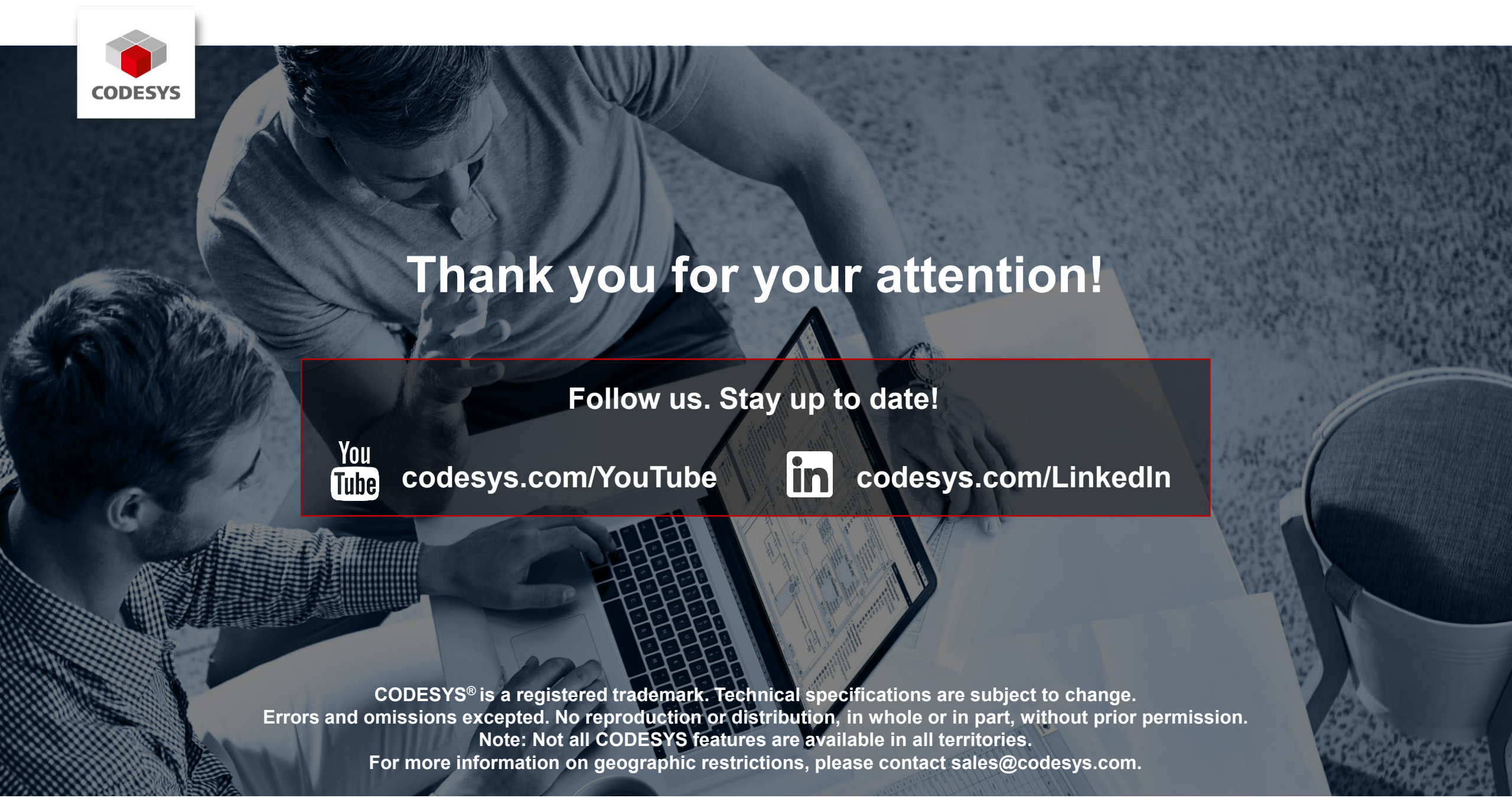
Release planned for December 2024

Feature Set V4.0.0.0

- Safe Control Core for SL release
- PROFISAFE V2.6
- Profisafe Diagnosis Extension
- PLCopen Safety FB V1.0
- Standard Library FBs V10

Roadmap 2025

- **Safe Control Core for Device Vendor**
  - Interface for external function blocks
  - Standard RTS interfaces
  - Device Vendor package
- **FSoE Master Support**
- **Support of ARM / ARM64 platforms**



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