

ADDED VALUE FOR CS-ECCC-01 CALL

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Call reference:

[HORIZON-CL3-2026-02-CS-ECCC-01 – Approaches and tools for security in software and hardware development and assessment](#) (Subtopic (b) – Software Supply Chain security)

Overview of what Amadeus added value:

Amadeus is the world's largest technology provider for travel and tourism. The company offers cutting-edge technology solutions that help travel industry stakeholders succeed in their business and shape the future of travel moving forward. It connects travel players and makes personalized journeys happen. With 19 000 employees in 190 countries, Amadeus has a strong footprint in Europe where more than half of its workforce is based and most of its R&D activities take place. Amadeus has currently 600 applications running on the cloud on 21000 servers.

Amadeus operates one of the largest software delivery environments in the European travel industry, with hundreds of applications continuously built, signed and deployed through modern CI/CD pipelines. Securing this software supply chain end to end – from source code to production deployment – is a strategic priority, reinforced by the EU Cyber Resilience Act and NIS2. Our R&D center is based in the South of France, where most of the security team is based.

Software supply chain and application security at Amadeus is driven by the CISO Office (TSI-SEC-ASM). The areas of focus most relevant to this call are the following:

- Artefact signature, attestation and integrity across the SDLC, bound to SBOM and SLSA build provenance
- Software composition analysis and SBOM management, with continuous CVE and vulnerability exposure assessment
- Application security scoring and automatic, AI-assisted artefact posture identification
- Deployment validation and policy-driven admission control, blocking unsigned, expired or low-score artefacts
- Secure CI/CD pipeline integration at industrial scale

Proposed contribution:

Amadeus proposes to act as an **end user** within a consortium, bringing a robust industrial use case – its travel-technology software platform – to pilot an end-to-end, post-quantum-resistant trust framework for software supply chains in a real, large-scale production environment. Amadeus would contribute SDLC and CI/CD integration, end-user requirements and operational validation, targeting a technology readiness progression from TRL 4 to TRL 7 across the project.

Amadeus is **looking for a consortium** with partners offering complementary competences and technology bricks, in particular: post-quantum cryptography expertise and hybrid classical / post-quantum signature schemes (ML-DSA, SLH-DSA); post-quantum-ready hardware security module (PQ-HSM) acting as root of trust; formal verification and AI-assisted security-testing capabilities (academic / research and technology organisation); and SBOM and artefact-posture scoring engine with strong open-source tooling and uptake.