Blockchain-powered cybersecurity and asset management solutions for trusted digital operations

Summary

Profile type	Company's country	POD reference
Business Offer	**Portugal**	**BOPT20250403022**

Profile status	Type of partnership	Targeted countries
PUBLISHED	**Commercial agreement** **Supplier agreement**	• **Austria** • **Netherlands** • **Germany** • **Spain** • **United States** • **Luxembourg** • **Belgium** • **Switzerland**

Contact Person	Term of validity	Last update
Enrico FRANZIN	**3 Apr 2025** **3 Apr 2026**	**3 Apr 2025**

General Information

Short summary

Portuguese tech company offering modular blockchain-based solutions that secure, validate, and manage digital data and asset records. Our innovations improve compliance, transparency, and operational efficiency. We seek commercial partnerships with industry stakeholders across Germany, neighboring Markets and US.

Full description

This offer presents two advanced digital solutions designed to ensure secure data management and maintenance documentation: a modular data protection platform and a decentralized asset maintenance control system.
The modular platform allows organizations to create, manage and validate digital information with full integrity, authenticity and traceability. Based on distributed ledger technology, it guarantees that all records remain unaltered, verifiable and accessible only to authorized users throughout their lifecycle. The platform supports integration via application programming interfaces (API) or enterprise resource planning plugins and includes features for digital

certification, real-time auditability and granular access control.

The asset maintenance system focuses on recording and validating maintenance activities for critical infrastructure and industrial assets. Each maintenance task is immutably registered and linked to the lifecycle of the asset, allowing full compliance with international standards, reduced legal risk and enhanced asset valuation. This tool enables decentralized record-keeping, secure collaboration across supply chains and simplified audits by regulators or external stakeholders.

Both solutions target industries that depend on operational resilience, data compliance and long-term traceability. In the energy sector, companies can document maintenance tasks on turbines or transformers to ensure regulatory alignment (e.g., ISO 55000), minimize downtime and improve resale value. In telecommunications, infrastructure providers can certify interventions on base stations and datacenters to improve transparency and reduce operational risks. In the food and pharmaceutical industries, the tools can ensure hygiene records, equipment calibration and temperature logs are preserved according to standards such as Hazard Analysis and Critical Control Points or Good Manufacturing Practice. In supply chain and manufacturing, organizations can validate every movement, inspection or transfer of critical goods, improving recall processes and customer trust.

Our team has in-depth expertise in cybersecurity, cryptographic systems and enterprise software. The solutions are the result of over two years of dedicated development, testing and deployment, with live implementations in industrial environments. We apply a zero-trust philosophy, combining distributed records, secure identity protocols and confidential information exchange using zero-knowledge proofs — allowing organizations to share verified facts without exposing raw data.

Both tools are designed to scale internationally, support multilingual environments and adapt to highly regulated industries. They are compatible with secure digital infrastructure and flexible enough for both private and public sector applications.

These innovations aim to redefine how data is trusted, validated and preserved — bringing digital confidence to organizations that rely on accurate records, regulatory trust and operational continuity.

Advantages and innovations

We deliver blockchain-based solutions that ensure unmatched data integrity, transparency, and security. Unlike traditional systems, our platform provides immutable records, decentralized management, and digital trust without intermediaries. DAMC uniquely addresses compliance, traceability, and lifecycle documentation of assets — boosting resale value and reducing maintenance costs. ROOTKey Platform offers modular integration (API, Dynamics 365) and supports industries with strict regulatory demands. Our zero-trust approach with encrypted data validation and digital identity management ensures operational resilience, faster audits, and superior risk mitigation.

Technical specification or expertise sought

Stage of development

Already on the market

Sustainable Development goals

• **Goal 11: Sustainable Cities and Communities**

• **Goal 8: Decent Work and Economic Growth**

• **Goal 12: Responsible Consumption and Production**

• **Goal 9: Industry, Innovation and Infrastructure**

IPR Status

Secret know-how

IPR Notes

Partner Sought

Expected role of the partner

We are looking to engage with a diverse range of partners to support the international deployment and commercialization of our blockchain-powered cybersecurity solutions.

Type of partner sought:
We are seeking collaboration with:

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•   Industry players and service providers in the Energy, Telecommunications, Manufacturing, Logistics, and Food sectors who can benefit from implementing secure asset maintenance and data management technologies.
•   System integrators and IT consultancies with expertise in enterprise software (e.g., Microsoft Dynamics 365, SAP, Oracle) to co-develop and deploy customized implementations of our solutions.
•   Commercial agents and business developers focused on B2B digital solutions, capable of generating qualified leads and supporting local market penetration.
•   Research institutions and digital innovation hubs interested in applying emerging technologies (blockchain, ZKP, digital identity) in industrial use cases.

Expected role of the partner:
•   Industry Clients: Adopt our solutions to ensure compliance, data integrity, and operational efficiency.
•   Technology Integrators: Lead the integration of our platform or DAMC within client infrastructures, offering localized technical support and custom developments.
•   Lead Generation & Sales Partners: Promote our solutions within their networks, identify new commercial opportunities, and facilitate access to enterprise clients in target regions.
•   Innovation Partners: Collaborate on R&D or pilot projects exploring blockchain-based data security in sensitive industries.

Type of cooperation sought:
We are open to multiple cooperation frameworks, depending on the partner's profile:
•   Commercial Agreements: with end clients for direct implementation of our platform and DAMC.
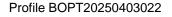•   Supplier Agreements: with resellers or solution providers incorporating our technologies into their offering.
•   Investment Agreements: with strategic partners that aim to support scale-up in the DACH region and beyond.
•   Outsourcing Agreements: with integration partners who can localize, implement and maintain our solutions in client ecosystems.

Type of partnership   Type and size of the partner

Commercial agreement

Supplier agreement

- **SME 50 - 249**
- **Big company**
- **R&D Institution**
- **SME 11-49**

Dissemination

Technology keywords

- **01003025 - Internet of Things**
- **01003001 - Advanced Systems Architecture**
- **01003024 - Cloud Technologies**
- **01003008 - Data Processing / Data Interchange, Middleware**
- **01003003 - Artificial Intelligence (AI)**

Market keywords

- **02007007 - Applications software**
- **02007001 - Systems software**
- **02007015 - Integrated software**
- **02007003 - Operating systems and utilities**

Targeted countries

- **Austria**
- **Netherlands**
- **Germany**
- **Spain**
- **United States**
- **Luxembourg**
- **Belgium**
- **Switzerland**

Sector groups involved

- **Digital**
- **Agri-Food**
- **Energy-Intensive Industries**