



ERNI overview

May 2026





Why team up with ERNI?

We turn scattered data into clear insights

We connect production lines, planning systems, and finance tools so everyone sees the same up-to-date numbers—no manual exports, no guessing.

We boost uptime and quality

Smart analytics spot problems early, recommend fixes, and help teams prevent costly breakdowns and scrap.

We work inside strict defence-grade rules

Our methods respect security, export-control, and audit requirements from day one, so projects move forward without compliance delays.

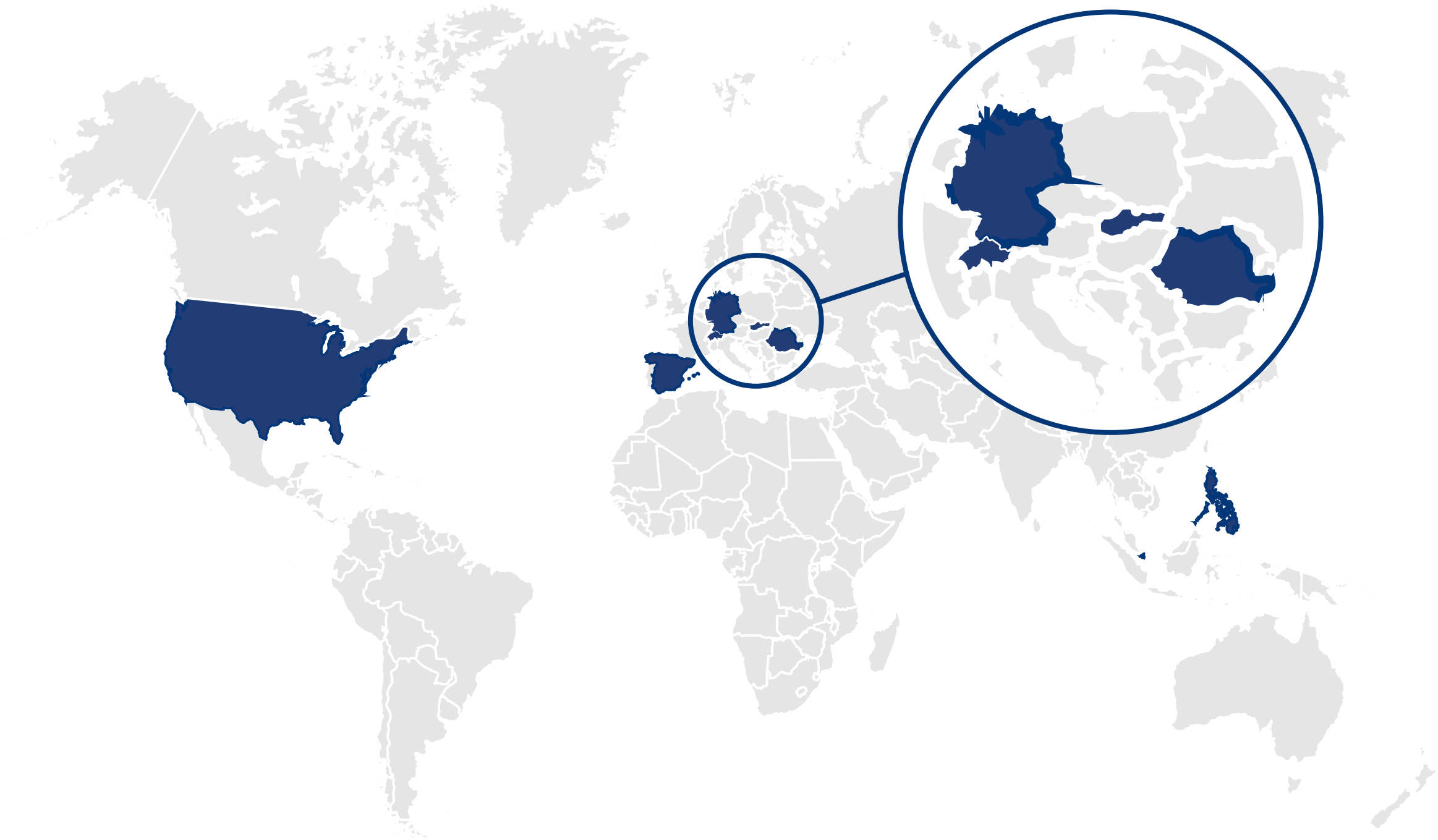
We fit into what they already have

Instead of ripping out existing machinery or software, we add the missing digital pieces and prove value fast—think weeks, not years.

ERNI gives you a safer, more efficient factory floor and real-time business visibility, all while playing by the same tough rules they do.

ERNI at a Glance

We are near to you



Founded in **1994** in Switzerland

Switzerland, Germany, Spain, Slovakia, Romania, Singapore, Philippines, USA



800+ ERNIans

8 countries and **18** locations



ISO Certified 27001, 9001, 13485, 27701

Customised digital solutions and services in complex and regulated environments

ERNI Integrated Management System



Securing quality, data, continuity and social responsibility



Business continuity management system

ERNI operates a business continuity management system **based on ISO 22301** with predefined Incident response plans and activity recovery plans for all critical services.



Information security management system

ERNI operates an information security management system **certified** according to: **ISO 27001:2022** valid from 2024-05-07 until 2026-08-27.



Quality management system

ERNI operates a quality management system **certified** according to: **ISO 9001:2015** valid until 2026-04-16
ISO 13485:2016 valid until 2028-04-07



Privacy information management system

ERNI operates a privacy information management system **certified** according to: **ISO 27701:2019** valid until 2027-09-05.



Corporate social responsibility

ERNI operates a CSR management system rated with **EcoVadis bronze** ranking. ERNI aims to generate an economical and environmental improvement for the society, giving added value to its activities by supporting the **UN Sustainable Development Goals**: SDG03 (Good Health and Well-being), SDG08 (Decent Work and Economic Growth), SDG10 (Reduced Inequalities), SDG12 (Responsible consumption) and SDG13 (Climate action).



What we do

01. Envision

Product Discovery & UX

It starts by turning ideas into clear direction, ensuring we build what users actually need.

- User Research & Personas
- Rapid Prototyping (LoFi/HiFi)
- Feasibility & Compliance

02. Structure

Software Architecture

We design the blueprint for scalability, creating systems safe to evolve over the years.

- Modular Monoliths & Microservices
- Architecture Modernization
- Physical ↔ Digital Bridging

03. Experience

Frontend Engineering

We build robust interfaces, pushing for reusability to accelerate time-to-market.

- SPA & Component Libraries
- Microfrontends Strategies
- Accessibility (WCAG) Audits

04. Power

Backend & API

The engine room. We apply Swiss rigor to the critical logic that powers your products.

- API-First & DDD
- Data Layer Reliability
- High-Performance Refactoring

05. Connect

Integration & IoT

We make systems talk—securely connecting enterprise software with industrial devices.

- Enterprise Integration
- Device Interoperability
- E2E Validation Strategies

06. Accelerate

AI-Enabled Engineering

We embed intelligence responsibly, speeding up delivery and enhancing capabilities.

- On-Device AI (Privacy-by-design)
- AI-Assisted Dev Playbooks
- Feasibility PoCs

07. Evolve

Modernization

We ensure continuity, evolving legacy systems safely without stopping your business.

- Strangler Fig Pattern
- Technical Debt Reduction
- Knowledge Transfer

08. Partnership

Why ERNI?

In critical domains, you need Swiss engineering precision, not just code.

- **Regulated Environments** (MedTech)
- **Physical ↔ Digital** Bridging
- **Full Lifecycle** Ownership

What we do

Our Data capabilities are built on strong principles that form the foundation of our reliability and excellence.

Our Capabilities

Data Engineering

Data Ingestion

Data **Quality, Cleaning** and **Anonymization**.
Reliability, Security and Privacy.

Data Streaming

Advanced **real-time** data pipelines for fast decisions.
Automated Pre-Processing/Validation

Data Processing

Optimized data pipelines and transformations.
High-Performance Data Pipelines.

Data Architecture

Design and **assess** frameworks for data excellence.
Scalability, Robustness, and efficient.

Data Science & AI Engineering

Algorithm Development

Iterative experimentation of **ML / DL** models.
Data-driven solutions.

Gen AI & LLMs

Custom **Agentic** Solutions using **Generative AI**.
SW Engineering tailored.

Causal AI

Identify **cause-effect** relationship.
Insightful and actionable outcomes.

MLOps

Productionizing and **maintaining** AI solutions.
AI and Cloud Operations.

Data Analytics

Data Modelling

Enable custom **effective analysis** for decision-making.
Consistency, Accuracy, optimization.

Data Visualization

Design and maintain tailored **dashboards**.
Uncover actionable insights.

Data Analysis

Explore, interpret **data patterns**.
From DataOps pipelines to actions

Data Assessment

Connect **data** with **business** needs
Reliable real-time KPI Computing

Our Principles

Data Governance

We ensure data policies and processes are aligned with their purpose.
Data is managed securely, responsible and in full compliance.

Data Quality

We make sure the data process is compliant with regulations; has no bias and is aligned with ethical standards.

Data Interoperability

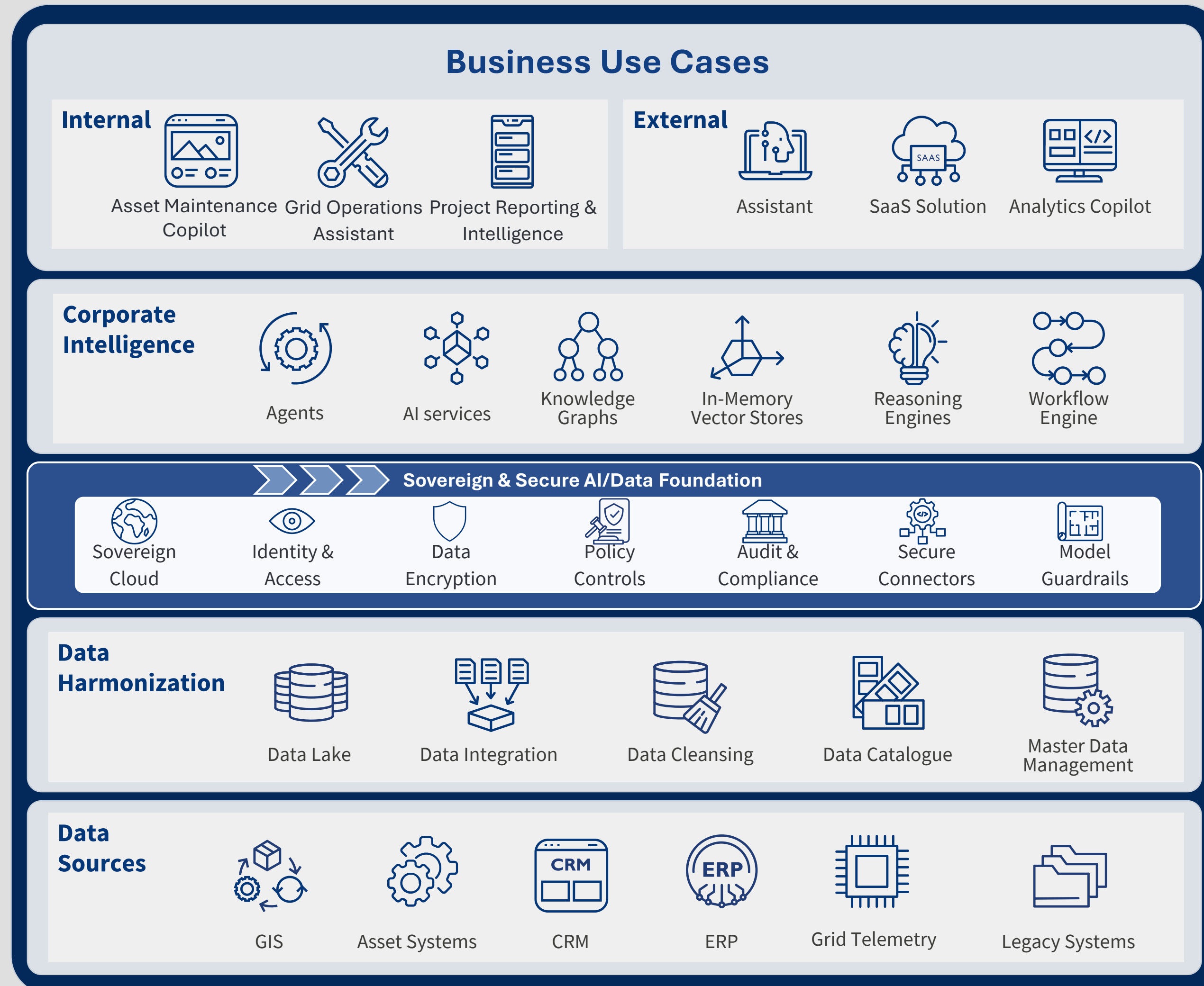
Data exchange between system should be effective. Sharing common structure, clear provenance and meet relevant community standards for the domain.

Critical-infrastructure-ready

From Sovereign Data Foundation to Trusted AI Use Cases

Challenge

- Fragmented data and IT landscapes across grid operations, assets, engineering, enterprise systems, and document repositories
- High security and compliance requirements due to critical-infrastructure obligations and cyber risk exposure
- Need for data sovereignty and control when adopting cloud and AI in the energy ecosystem
- Pressure to accelerate system transformation without increasing operational risk



Impact & Outcome

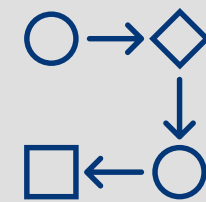
- Trusted AI adoption on top of a secure and sovereign platform
- Faster access to operational and engineering knowledge
- Improved decision support for grid, asset, and project processes
- Reduced integration friction across systems, and legacy landscapes
- Scalable foundation for future agents, automation, and data products
- Auditability and governance by design for critical-infrastructure contexts

EPworx[©] - an
Orchestrating Layer for
cross-system, safety-
critical process
governance

Mission-Critical digital solutions

Platform as safety-critical communication and information solutions

Powered by FREQUENTIS/Pdts and ERNI



Workflow Management

Integrated Modelling, Execution and Documentation of workflows

Highly scalable and AI enabled solution to meet your requirements



Document Management

Automated classification, versioning and electronic signature

Easy integration with other systems like ERP & CRM



State-of-art Technology

Web-based for easy access from any device and every location

Cloud-based Deployment for simplified implementation



Analytics & Reporting

Real-time Monitoring of business processes

Detailed analysis and reporting of key performance indicators

Early identification of bottlenecks and continuous process optimization



Integration Platform

Built for secure integration of various subsystems

Often used as Data-Hub

Critical Infrastructure Requires Control: Security, Access, and Compliance on One Platform.

Accelerating growth while Scaling Governance & Critical Infrastructure Security

- Manual approval workflows, limited transparency across roles and responsibilities, and fragmented security processes increase administrative overhead and compliance risk in a highly regulated critical infrastructure environment.
- Core need:
A scalable platform ensuring audit-ready workflows, clear governance structures, and centralized transparency across safety-critical operations.

EPworX: Integrated Workflow & Governance Platform for Critical Infrastructure Operators

EPworX digitalizes and connects **access management, safety, and compliance processes** within a sovereign, secure platform environment.

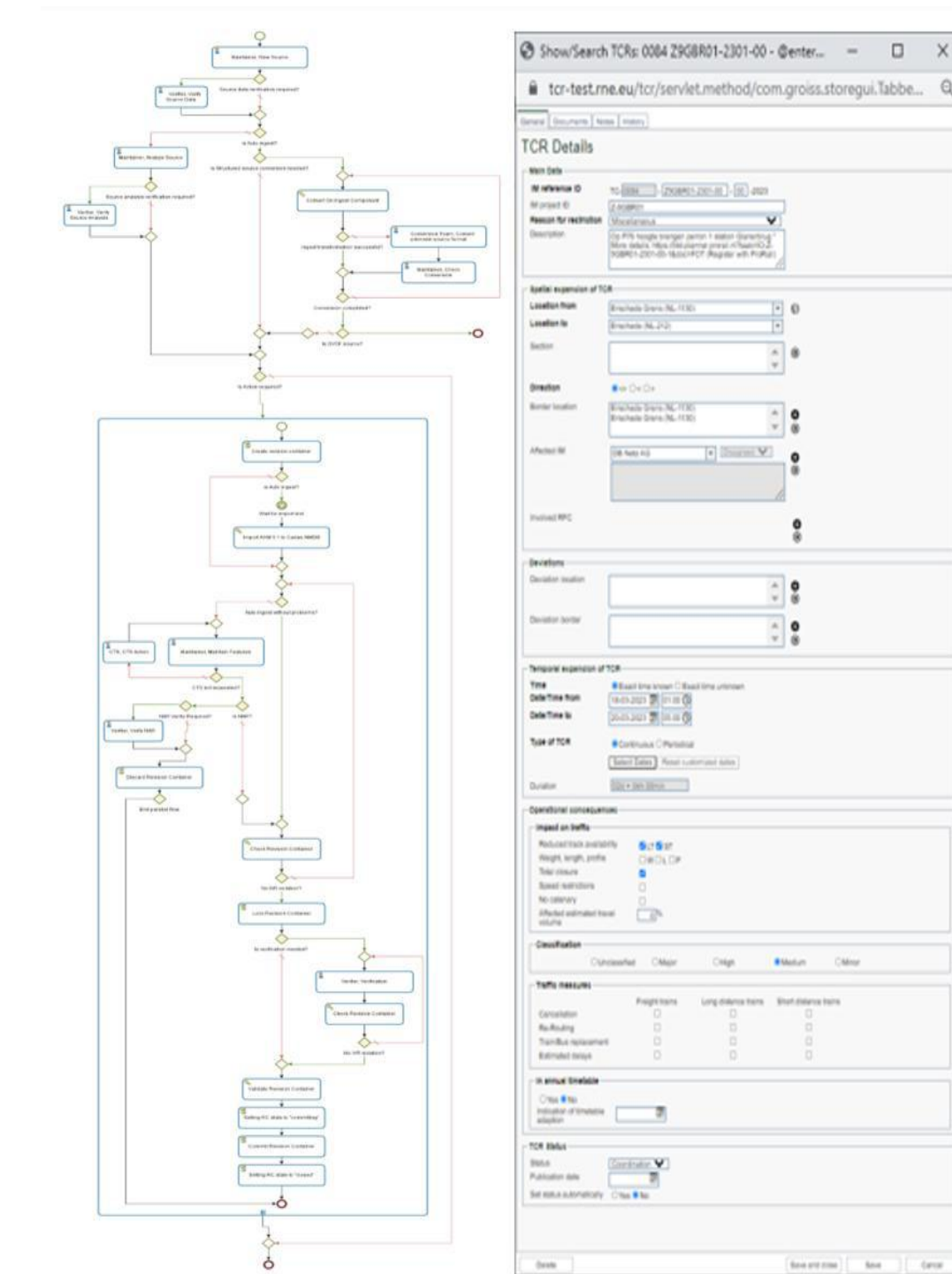
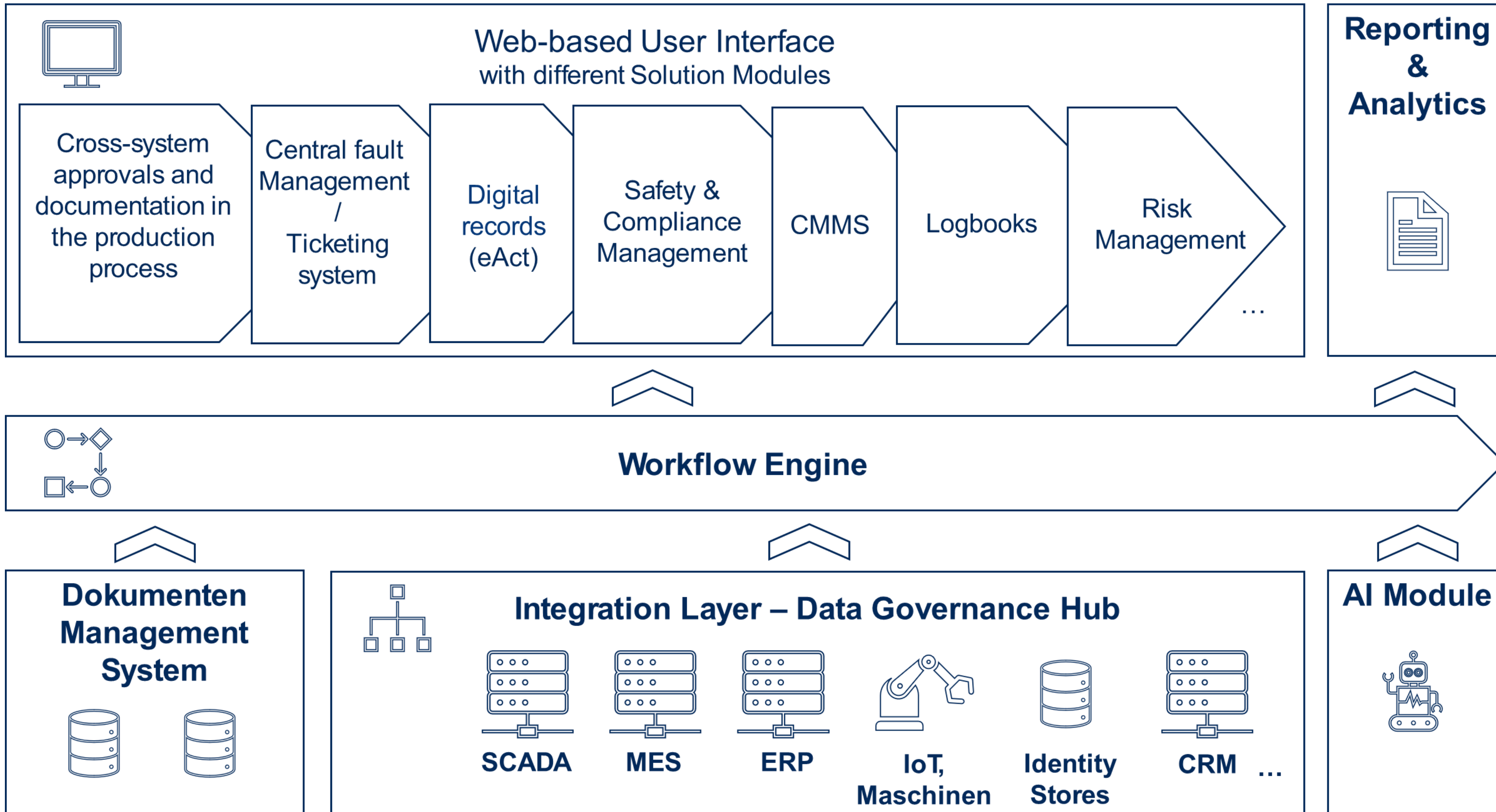
Proven in energy and critical infrastructure contexts:

- End-to-end access management workflows including SAP integration
- Comprehensive safety, risk, and audit management
- Role-based access control with full traceability
- Central dashboards enabling transparency, steering, and reporting

Outcome for you:

Faster processes, reduced complexity, reliable compliance — and a scalable governance foundation supporting long-term growth.

From airport-grade resilience to controllable KRITIS workflows.



Swiss Software Engineering.



Gerald Brose

Director Business Development

Mobile +49 151 5111 3775

E-Mail gerald.brose@betterask.erni

ERNI (Deutschland) GmbH

Swiss Software Engineering

Better ask ERNI

