

ARGOxr (ART REBEL 9 d.o.o.)

1. Company Overview

- ART REBEL 9 d.o.o. (ARGOxr division) Poljanska cesta 25, 1000 Ljubljana, Slovenia
- Established: 1991
- Private limited company (SME)
- Member of TECES partnerships

ARGOxr is a Slovenian technology company developing a Digital Knowledge Twin platform for capturing, standardizing, and operationalizing critical operational know-how across infrastructure, industrial, and emergency-response environments.

The company operates at the intersection of:

- Critical infrastructure digitalization
- Industrial operations & maintenance
- Knowledge capture & operational resilience
- XR (Extended Reality) & immersive training solutions
- Dual-use applications (civil & defense relevance)

Website: <https://argoxr.io/>

2. Core Capabilities & Technologies

ARGOxr develops a Digital Knowledge Twin, a living operational model that transforms procedures and expert knowledge into guided, traceable execution workflows.

Key Technological Strengths:

- Digital Knowledge Twin platform (rule-based operational layer)
- SOP & procedure authoring and lifecycle management
- Asset-linked workflows (machine/location-based contextualization)
- Integration with SCADA, MES, ERP, CMMS systems
- Replay of incidents using operational/IoT data
- Full digital traceability (who / what / when / where)
- Guided execution via:

- Web
- Mobile
- XR / AR / MR interfaces
- Experience graph for knowledge capture & semantic search
- Remote expert support integration
- Immersive VR training environments

3. Product Portfolio Relevant for the Philippines

ARGOxr delivers a software platform that operationalizes:

- Standard Operating Procedures (SOPs)
- Emergency playbooks
- Maintenance protocols
- Incident-response procedures
- Compliance documentation

Unlike document repositories or traditional digital twins, ARGOxr provides:

Operational Twin Layer

Procedures become executable, verifiable workflows.

Replay Functionality

Reconstruction of past incidents from operational data for:

- Training
- Root cause analysis
- Continuous improvement

Digital Traceability Layer

Audit-ready digital records of all executed steps.

4. Target Sectors in the Philippines

The solution is highly relevant for organizations operating:

- Energy & power infrastructure
- Water & wastewater systems

- Ports & maritime facilities
- Industrial production plants
- Transportation infrastructure
- Disaster-response agencies
- Civil defense organizations
- Large industrial parks & economic zones

5. Use Cases Relevant to the Philippines

Given the Philippines' exposure to typhoons, floods, infrastructure stress, and high operational complexity, ARGOxr can support:

Disaster Preparedness & Response

- Standardized emergency protocols
- Guided execution during typhoons and infrastructure disruptions
- Incident replay for preparedness training

Critical Infrastructure Protection

- Digitization of high-risk maintenance procedures
- Workforce turnover mitigation (knowledge preservation)
- Faster onboarding of new operators

Operational Resilience

- Reduced downtime in utilities & industrial plants
- Context-aware mobile guidance for field technicians
- Faster reaction times in crisis situations

Training & Skills Development

- VR-based simulation environments
- Experience-based learning
- Faster certification & operational readiness

6. Competitive Advantages

- Combines Digital Twin + Workflow Execution + Knowledge Capture
- Works with existing enterprise systems (not a replacement)

- No heavy hardware requirements
- Scalable from pilot to nationwide infrastructure rollouts
- Suitable for both civil and dual-use applications
- Proven in energy, manufacturing, and process industries

7. Reference Projects (Europe)

- **ELES:** Digital twins of substations + VR emergency training
- **ALPACEM:** Asset-linked maintenance workflows for RTP substations
- **Aquafil:** Multilingual standardized maintenance & onboarding
- **GIC Gradnje:** Data-driven digital twin of industrial plant
- **Kovinoplastika Lož:** Structured knowledge transfer pilot
- **Krka:** Digitized inspection & maintenance of critical systems

8. Deployment & Cooperation Models

ARGOxr is seeking cooperation in the Philippines through:

- Pilot projects with infrastructure operators
- Partnerships with system integrators
- Collaboration with government agencies
- Integration with existing digital transformation programs
- Phased roll-outs across infrastructure systems

Cooperation focus:

- Measurable impact on resilience
- Faster emergency response
- Improved compliance & audit readiness
- Reduction of downtime and operational risk

9. Primary Contacts

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