Dynamic Authorization for Manufacturing

Protect intellectual property, secure global supply chains, and meet export compliance with policy-driven authorization.



Protecting IP and Proving Compliance is Becoming Harder

Manufacturers are prime targets for attackers seeking valuable trade secrets, intellectual property, and product data.

- → Static, role-based access can't stop IP theft once a user is already authorized to log in.
- → Complex export control regulations like ITAR and EAR are difficult to enforce consistently accross a global workfoce.
- → AI copilots and agents now touch product and shop-floor data, expanding the attack surface faster than manual reviews can track.
- → Contractors, suppliers, and partners need temporary access to sensitive systems and data without gaining broader permissions.
- → Manufacturing operations require strict seperation of duties to prevent users from peforming conflicting or high-risk actions.

Comparison Matrix: RBAC vs Policy-driven Authorization

FEATURES	RBAC	POLICY-DRIVEN AUTHORIZATIONS
Context awareness	✗ Static	✓ Real-time
Granularity	✗ Coarse	✓ Fine-grained
Scalability	✗ Low (role explosion)	✓ High (policies scale through data)
Auditability	✗ Hard to prove	✓ Audit logs

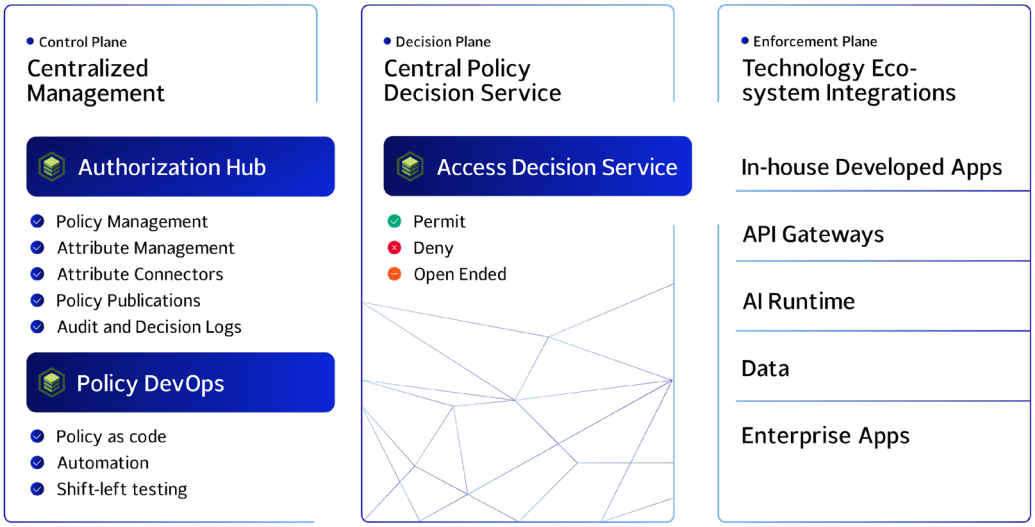
Built to Support Manufacturing Compliance

Policy-driven authorization helps manufacturers enforce access controls and demonstrate compliance across requirements including:

- → NIS2
- → CMMC
- → ITAR
- → EAR
- → NIST
- → IEC 62443
- → ISO 27001

AXIOMATICS
a LEONARDO company

Axiomatics Authorization Management Platform



Axiomatics externalizes authorization from your applications: define fine-grained access policies once in the Hub, evaluate them in real time through the Decision Service, and enforce them consistently across your apps, APIs, data, and AI agents, all built on open standards, ALFA, XACML, and AuthZEN, instead of a proprietary format.

Authorization Built for Manufacturing Companies

Dynamic authorization at runtime gives manufacturing institutions precise, contextual control over who can do what, with which data, and under what conditions.



IP & product protection: Protect sensitive designs, engineering data, source code, and specifications based on role, project, and business needs.

Data masking and redaction: Dynamically hide sensitive product, supplier, or operational data based on context.

Export compliance: Control access to regulated technical data based on citizenship, location, classification, and applicable export requirements.

Separation of duties: Ensure critical manufacturing, quality, procurement, and approval processess are divided across the appropriate people and roles.

Location-based access: Restrict access to systems based on facility, country, or other requirements,

Temporary delegation: Grant time-bound access to contractors, suppliers, and employees without creating unnecessary permanent privileges.

About Axiomatics

Axiomatics - a Leonardo Company is the originator and leading provider of runtime, fine-grained authorization delivered with attribute-based access control (ABAC) for applications, APIs, data, and AI systems. The world's largest enterprises and government agencies rely on the Axiomatics Authorization Management Platform to centrally define and enforce dynamic access control.

axiomatics.com
info@axiomatics.com
US Office: +1 (312) 374-3443
Europe Office: +46 8 51 510 240