



P2CODE

Programming Platform for
Intelligent Collaborative Deployments

Service Management

Driving seamless, secure,
and automated service
deployments



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Funded by
the European Union

Project funded by
Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra
Sveits Samfundet
Finn- og Unionsdepartementet
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Funded by the European Union (P2CODE, 101093069). Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union. Neither the European Union nor the granting authority can be held responsible for them. This work has received funding from the Swiss State Secretariat for Education, Research and Innovation (SERI).

P2CODE in Context

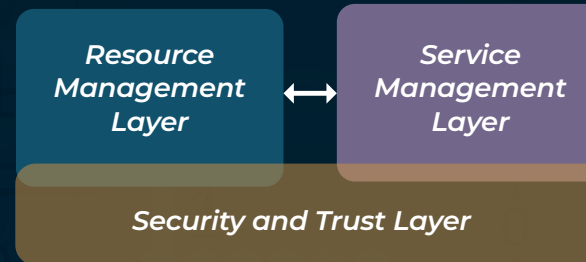
The P2CODE Architecture enables the automated, trustworthy orchestration of complex services across federated, multi-domain environments—empowering use cases in Industry 4.0, smart logistics, monitoring critical infrastructure, and smart search & rescue operations.

At its core, P2CODE follows a layered architecture that is modular, secure, and developer-centric. Within this design, the **Service Management Layer (SM-L)** acts as the control tower—orchestrating the design, deployment, and operation of intelligent services seamlessly across IoT, edge, and cloud.

What It Does

The SM-L provides a single, secure, and automated way to deploy, monitor, and manage services end-to-end across devices, networks, and clouds.

P2CODE Open Platform



Core Components

- 1 Maestro**
The conductor orchestrating services across the continuum
- 2 Secure Access Control**
Role-based permissions with audit logging
- 3 Policy & Telemetry Engine**
Governs performance and rules in real time
- 4 Internal Developer Platform**
Unified dashboard from code to deployment

Key Benefits



Orchestrate Anywhere
Seamless deployment across domains



Control Access
Role-based permissions for secure operations



Monitor in Real Time
Telemetry and SLA tracking



Boost Developer Speed
From code to deployment in one flow

Why It Matters

- Integrates fragmented systems into one orchestration framework
- Ensures secure and compliant operations
- Provides real-time visibility into service health
- Accelerates innovation for edge- and cloud-native applications