MANUFACTURING

FabLoop

SPC/DOE analytics, confidence, control limits, Cp/Cpk when legitimate engineering limits exist, excursion detection and feedback evidence.

IP-4893 · Commercial software · CLI / SDK / API

Function and architecture

- Foundry/Process Feedback Software
- Independent installation
- CLI, Python SDK and server surfaces
- Tenant, entitlement and evidence controls

Integration summary

FabLoop: SPC/DOE analytics, confidence, control limits, Cp/Cpk when legitimate engineering limits exist, excursion detection and feedback evidence. Delivered as CLI / SDK / API. Integrate the selected version at its documented input/output boundary; retain source and configuration identity with each result. The exact callable API, dependencies and runtime environment are supplied with the controlled release; this public description is not a substitute for that release contract.

Technical record

Canonical identity	IP-4893
Responsibility	SPC/DOE analytics, confidence, control limits, Cp/Cpk when legitimate engineering limits exist, excursion detection and feedback evidence.
Delivery boundary	CLI / SDK / API
Evidence scope	Commercial software
Engineering boundary	SPC/DOE analytics, confidence, control limits, Cp/Cpk when legitimate engineering limits exist, excursion detection and feedback evidence.
Deployment	CLI / SDK / API; 1.2.0
Operational scope	Customer-specific performance, economics and physical effects require customer data and validation. Optional PostgreSQL live integration was not executed in the recorded release.

Delivery and release binding

- Versioned package and dependency lock
- Deployment environment and access controls

- Input/output schemas and integration examples
- Evaluation scope, support and update policy

Confirm for the selected release: Environment and dependencies, Version / build hash, API compatibility, License and support scope.

Evidence and qualification

The Bible records product-specific tests within the 280-test commercial suite, 20,000 randomized cases and HTTP/ASGI/import/install campaigns. Source-bound external exercises are documented.

Customer-specific performance, economics and physical effects require customer data and validation. Optional PostgreSQL live integration was not executed in the recorded release.

Canonical status: P2 EXECUTABLE COMMERCIAL SOFTWARE / 280-TEST SUITE + 20K ADVANCED CAMPAIGN + HTTP/ASGI/IMPORT/INSTALL EVIDENCE; External SECOM-derived subset: statistical outputs matched independently computed baseline statistics.

Source basis: Bible v7.42 §141.7–141.12, IP-4893

Evaluation and licensing

Evaluation: Evaluate the named software release. Production: Team or enterprise deployment. Custom work: Workflow and API integration. Rights, pricing, support and acceptance criteria are agreed for the exact scope.

Contact: patrick@garmolabs.com | Product path: /software/fabloop