AFL PlantForge

Manufacturing ERP

Product overview

AFL PlantForge connects product engineering, material planning and shop floor execution with quality, traceability and production costs. Factory teams work from linked records as materials move into finished goods.



Illustrative product view

Who it serves

Manufacturers, plant owners, production managers and finance teams coordinating factory operations.

Request a demonstration at info@afl-ai.com | https://afl-ai.com/

Business value and buyer fit

What your business gains

Business priority	Product value
Production visibility	Follow planned work, material readiness and shop floor progress.
Material control	Connect demand, stock, buy or make requests and production issues.
Quality traceability	Link inspections with batches, serial records and production history.
Cost accountability	Review material, labour, machine and scrap costs against production.

Choosing this product

Choose PlantForge for repeatable factory production and assembly. For construction contracts and field execution across project sites, choose AFL BuildSphere.

A connected working process

Engineer and plan Define BOMs, revisions and routings, then plan materials and workstation capacity.

Produce Stage materials, release work orders and capture job progress and operator time.

Inspect and trace Record quality checks and connect finished goods with batch or serial history.

Review Maintain plant assets and reconcile production valuation, labour and operating costs.

Information for decisions

Production leaders can identify queues and shortages. Quality teams can trace material and inspection history. Finance can review work order valuation, scrap and absorbed costs alongside plant activity.

Product capabilities

Capability	What it covers
Product engineering	Multi-level and exploded BOMs, revisions, routings, scrap, co-products and by-products.
Material planning	Demand forecasts, sales-driven replenishment, stock projections and buy or make requests.
Capacity and routing	Workstation hours, capacity loading, production queues and employee assignments.
Work order execution	Material staging and issue, work in progress transfers, backflushing and finished-goods receipt.
Job cards and time	Operation start, pause and completion, operator time and labour-efficiency records.
Subcontracted work	External operations and sub-assemblies, service orders, material transfers and receipt reconciliation.
Quality inspections	Incoming, first-piece, in-process and pre-dispatch checks, with quarantine workflows.
Batch and serial history	Material genealogy, FIFO or FEFO allocation, inspection certificates and recall analysis.
Plant maintenance	Preventive service, breakdowns, calibration, reliability measures and spare-parts usage.
Production costing	Materials, absorbed labour, machine and overhead rates, work order valuation and scrap loss.
Workforce and shifts	Line schedules, rotational rosters, attendance integration, overtime and wage processing.
Tax and dispatch records	Configured Indian GST, e-invoicing, e-Way Bills and statutory audit records.

Primary users

Plant leadership, engineering, planners, supervisors, operators, quality, maintenance, stores, HR and finance.

Deployment and commercial engagement

Implementation and adoption

AFL configures item masters, BOMs, routings, workstations, opening stock, quality templates and costing rules. Rollout can start with one production area before extending across the plant.

Integrations

Manufacturing connects with inventory, purchasing, quality, assets, accounting and workforce functions. AFL scopes attendance, equipment data and electronic tax workflows to the deployment.

Technology and access

AFL develops and delivers a modular manufacturing ERP with shared item, production, inventory and financial records. Web applications, APIs and configurable workflows support plant requirements.

Role permissions separate engineering, production, stores and finance access. Identity and device controls, multi-factor authentication, audit history, backups and controlled deployment support operations.

Commercial options

Commercial component	What the proposal covers
Product access	One-time, monthly or annual arrangements, according to the selected product and agreement.
Implementation	Application setup, configuration, data migration, onboarding and training.
Custom development	Additional workflows, reports, integrations and agreed enhancements.
Support	Maintenance, patching, backup responsibilities and upgrades within the selected service plan.
Infrastructure	AFL-managed hosting, infrastructure, connectivity and integration requirements defined in the proposal.

Product scope, deployment options, integration requirements, service levels and pricing are defined in the customer proposal. Regulatory workflows support the agreed configuration and applicable operating requirements.

Discuss your requirements

Request a product demonstration and a scoped proposal for your organization.

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