



AGAD Personas

Maintenance | Production | Quality

How

AGAD Portal Transforms Daily Challenges
into Measurable

Results?





Maintenance Engineer

(Asset Care / Reliability)



Daily concerns:

- Which machines are at risk of failing?
- Are we hitting our preventive maintenance (PM) schedules?
- Can I reduce unplanned downtime?
- Do I have the right spare parts when I need them?



- Live machine health dashboards (run hours, vibration, temperature, alarms).
- Predictive maintenance alerts.
- CMMS integration (work orders, history, spares).
- Easy reporting on MTBF (mean time between failures), MTTR (mean time to repair)



KPI focus:

- Asset uptime, PM compliance, maintenance cost per unit produced.

Mindset:

Keep machines running, minimise downtime, plan ahead.



Production Operator

(OEE / Output / Efficiency)



Daily concerns:

- Is my line running or stopped right now – and why?
- Do I have enough materials to keep running?
- How can I clear bottlenecks faster?
- How do I record production counts and downtime reasons without paperwork?



Needs from a system:

- Large-screen displays with OEE, availability, performance, quality.
- Simple touch-screen interfaces to log stoppages/downtime reasons.
- Real-time alerts when line speed drops or scrap rate spikes.
- Visibility of shift targets vs. actual output.



KPI focus:

- OEE, throughput, first-pass yield, shift adherence.

Mindset:

Hit targets, keep the line flowing, minimise stoppages.



Quality Engineer

(Process / Compliance / Defects)



Daily concerns:

- Are we producing within tolerance/specification?
- Is quality drifting before we catch it too late?
- Are non-conformances being logged and resolved?
- Do we have full traceability if there's a customer complaint?



KPI focus:

- Scrap rate, defects per million, audit readiness, cost of quality.



Needs from a system:

- Automated data capture (temperatures, pressures, weights) from machines.
- SPC (statistical process control) charts with trend analysis.
- Digital quality checks (forms, inspections, sign-offs).
- Closed-loop feedback to MES/ERP (stop production if out-of-spec).

Mindset:

Ensure every product meets spec, stop bad batches, prove compliance.

Together, these roles form the OEE–Quality–Maintenance triangle:

Maintenance

wants healthy assets and less firefighting.



Operators

want smooth running and no stoppages.



Quality

wants defect-free output with traceability.



A platform like **AGAD Portal** can act as the “single source of truth” for all three, pulling real-time data into the UNS, displaying OEE, issuing maintenance alerts, and feeding quality checks into MES.



How AGAD Portal Supports Key Personas



Maintenance Engineer

“Keep assets running”

HOW AGAD Helps:

- Asset Health Monitoring: Live dashboards from PLCs/sensors show run hours, vibration, energy, temperature.
- Predictive Maintenance: AI-driven alerts (e.g., bearing wear detected before failure).
- CMMS Integration: Auto-generates work orders, links to spare parts library.
- Audit Trail: Full maintenance history logged automatically for compliance.

OUTCOME:

Less firefighting, more planned maintenance, reduced downtime.



Production Operator

“Hit production targets”

HOW AGAD Helps:

- OEE Dashboards: Real-time large-screen displays show availability, performance, quality vs. targets.
- Downtime Logging: Operators can select downtime reason codes from a simple tablet interface.
- Digital Work Instructions: Step-by-step instructions available at the line, reducing errors.
- Shift Handover Reports: Automatic summaries of shift output, stoppages, and scrap.

OUTCOME:

Fewer disruptions, more consistent production flow, transparent accountability.



Quality Engineer

“Guarantee compliance & reduce defects”

HOW AGAD Helps:

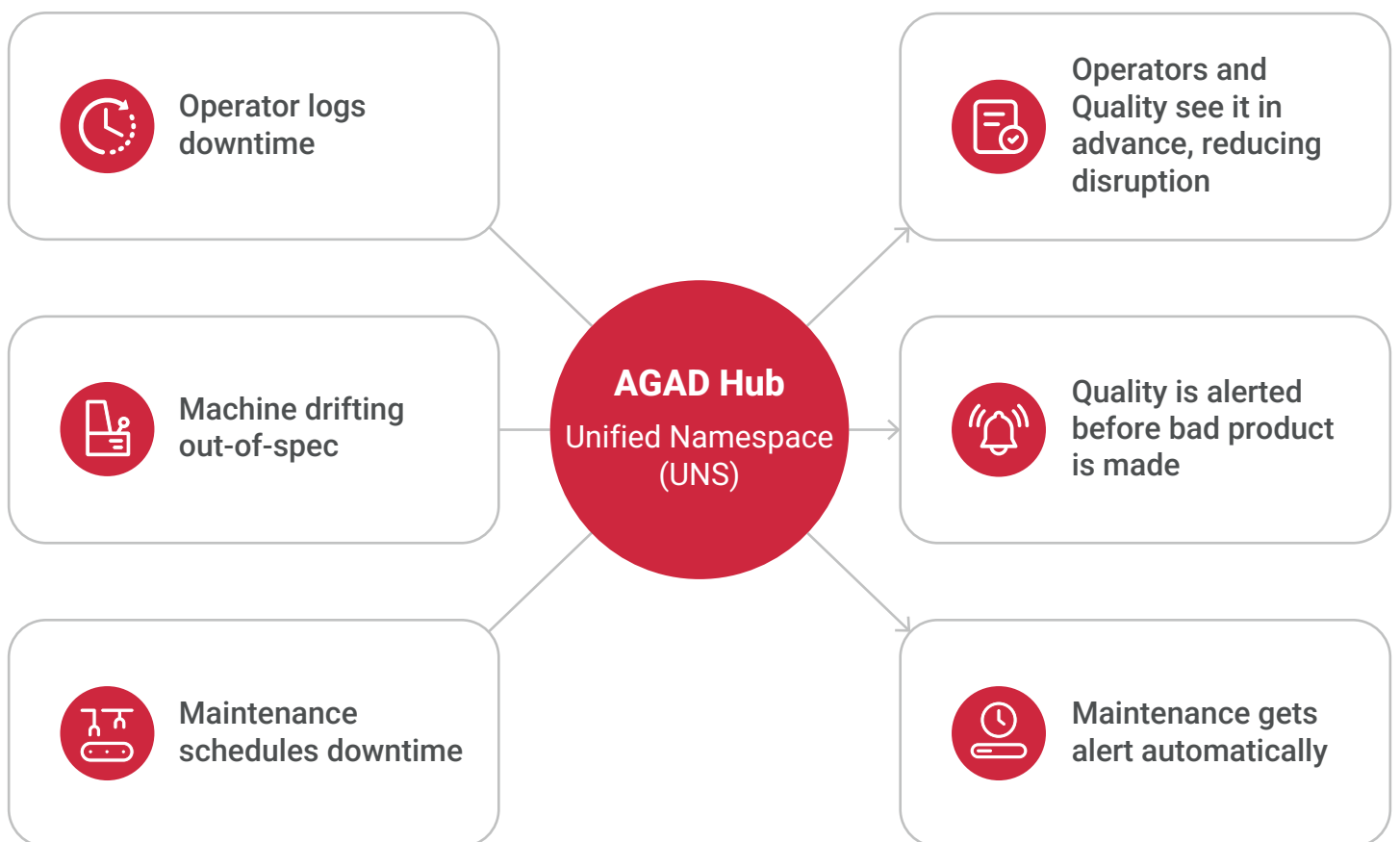
- Digital Quality Checks: Operators complete digital forms with mandatory sign-off; results are logged.
- SPC & Trend Analysis: Process data (weights, pressures, dimensions) monitored in real time with alerts if trending out-of-spec.
- Traceability: Batches linked back to machine parameters, operators, and raw materials.
- Closed-loop Control: If a parameter is out-of-tolerance, AGAD can send stop/alert signals to MES/PLC.

OUTCOME:

Lower scrap, higher customer satisfaction, easier compliance audits.

Where They Connect

(AGAD as a Hub)



AGAD becomes the “digital glue” across Maintenance, Production, and Quality, **using the Unified Namespace (UNS)** to give each role the exact data they need without duplication.



Ready to Connect

Maintenance, Production, and Quality in one seamless platform?

We Are Here

to help you turn daily challenges into measurable results.

→ agad-portal.com



AGAD PORTAL