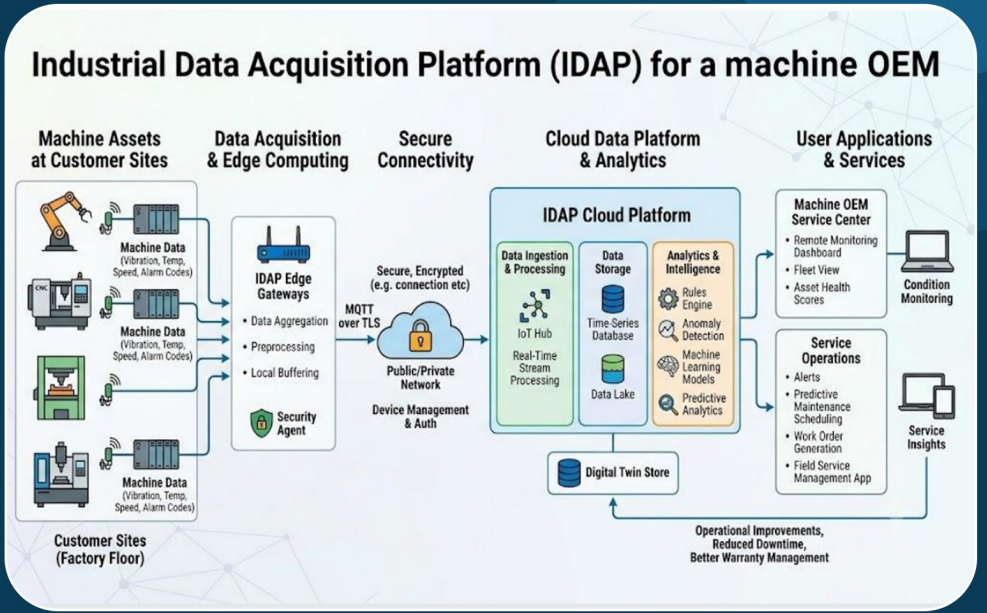
RDL Technologies Pvt. Ltd.

INDUSTRIAL DATA ACQUISITION PLATFORM

FROM REACTIVE SERVICE TO CONNECTED INTELLIGENCE



Machine manufacturers need to see how their equipment is really performing after it leaves the factory floor. IDAP securely collects operational data from PLCs, CNCs, sensors, SCADA and edge devices - so you can monitor assets remotely, catch problems before they cause downtime, and build a service business around the data.

- Remote Monitoring
- Predictive Analytics
- OEM Dashboards
- Smart Alarms

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ONCE EQUIPMENT LEAVES THE FACTORY FLOOR, OEMS LOSE VISIBILITY - AND THE ABILITY TO ACT

Traditional service models rely on reactive maintenance: a manufacturer only learns about a problem once it has already cost the customer downtime.

VISIBILITY & COST

- No visibility into installed machines.
- Reactive, breakdown-driven maintenance.
- High cost of every field service visit.
- No predictive maintenance capability.
- Slow, manual root-cause analysis.

OPERATIONS & PLANNING

- Multiple controller brands & protocols.
- Manual, inconsistent service reports.
- Poor spare-parts planning.
- No machine utilisation analytics.
- Hard to detect warranty misuse.

OUR APPROACH

Remote Asset Monitoring

IDAP streams machine data to the cloud continuously, giving OEMs and their customers one live, unified view of asset health, utilisation and performance - from anywhere in the world.

What the OEM Dashboard Shows

- Total installed machines
- Online / Offline Status
- Alarm Summary
- Asset health overview
- Warranty status
- Service-due tracking
- Customer location map

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CONNECTED INTELLIGENCE, BUILT INTO EVERY LAYER OF THE FLEET

Performance & Energy Monitoring

- Overall Equipment Effectiveness (OEE).
- Machine utilisation & production trend.
- Energy consumption tracking.
- Alarm history & shift-wise performance.

Condition Monitoring

- Bearing vibration & motor temperature.
- Hydraulic pressure & lubrication quality.
- Current signature & power factor.
- Tool wear, cycle variation, cooling efficiency.

AI-Driven Analytics

- Failure prediction before it happens.
- Anomaly & pattern detection.
- Trend analysis across the fleet.
- Statistical process monitoring.

Asset Health Tracking

- Temperature, vibration, current & runtime.
- Production rate and trend.
- Alarm frequency & lubrication status.
- Full historical failure record.

Alarm Management

- Instant alerts by email & SMS.
- WhatsApp notifications.
- Mobile app push alerts.
- Nothing gets missed, wherever your team is.

Service Management

- Service request & ticket creation.
- Remote diagnosis & spare-parts recommendation.
- Warranty tracking & technician assignment.
- Complete, searchable service history.

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THE IMPACT : WHAT A CONNECTED SERVICE MODEL DELIVERS

IDAP moves machine manufacturers from reactive support to a connected, data-driven service model - improving reliability, cutting operational cost, & opening new service based revenue.

60 - 70%
Fewer field visits, through remote diagnostics.

Faster
Issue resolution, with real-time alerts.

Lower
Warranty costs, via condition-based insights.

Smarter
Product improvement, using fleet-wide analytics.

Higher
Customer satisfaction, from proactive service.

New
Recurring revenue, via service subscriptions.

CUSTOMER BENEFITS

- Reduced machine downtime.
- Lower maintenance costs.
- Energy optimisation.
- Real-time visibility, from anywhere.
- Increased OEE.
- Longer equipment life.
- Improved production planning.

CASE STUDY

See IDAP at work

Scan the code to explore a real machine - OEM deployment and its measured results.

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