Boosting Efficiency by 40% with Smart Factory Tech

Industry: Manufacturing

Client: Automotive Parts Manufacturer, Gujarat, India

The Challenge

- ✓ No real-time production tracking
- ✓ Delays in manual maintenance & reporting
- ✓ Frequent downtime
- ✓ Errors in shift reports

Our Approach

We ran a **Time & Motion Study** and implemented:

- ✓ IoT + RPA-based monitoring
- ✓ Auto data capture per shift
- ✓ Predictive maintenance
- ✓ Live dashboards for managers

Key Solutions

- ✓ **IoT + Siemens PLC:** Real-time machine tracking
- ✓ **AI Maintenance Alerts:** Reduced sudden breakdowns
- ✓ **RPA Workflows:** Auto reports & alerts
- ✓ **Power BI Dashboards:** Instant visibility for teams

Tech Stack

python | node.js | aws | Power BI | UNIVERSAL ROBOTS | SIEMENS

Impact Summary

Metric	Before	After
Efficiency	55%	95%
Downtime/Week	12 hrs	3 hrs
Report Errors	Frequent	Zero
Visibility	Low	24/7 Live

Results at a Glance

+40%	-75%	98%	2x
Production Efficiency	Downtime	Report Accuracy	Faster Issue Response

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Ahmedabad | Rajkot | Nadiad | Delhi | Bhopal | Pennsylvania | Toronto | London

Phone:
+91 98983 30717
+1 323 455 4591

Email:
hello@qematic.com

Website:
www.qematic.com

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