RDL Technologies Pvt. Ltd.

IoT SOLUTIONS · SHOP FLOOR 4.0

# ANDON SYSTEM

## Real-Time Production Monitoring & Alerting




RDL Industrial Andon Solution improves shop-floor visibility, reduces downtime and enables faster decision-making by combining visual indicators, audio alerts and digital dashboards — empowering operators, supervisors and management to respond instantly to production issues.

### KEY CHALLENGES ADDRESSED

- Unplanned Machine Downtime
- Delayed Response to Issues
- Lack of Real-Time Visibility
- Manual Escalation Gaps
- Inefficient Loss Tracking

# SOLUTION HIGHLIGHTS

*From alert to action — a complete production visibility loop*

### Real-Time Alerts

Instant visual & audio alerts for abnormalities

### Multi-Level Escalation

Configurable escalation to supervisors & managers

### Digital Dashboards

Live production, downtime & performance metrics

### Integration Ready

Seamless link with PLCs, SCADA, MES & ERP

### Data-Driven Decisions

Historical analytics for continuous improvement

## CORE HARDWARE COMPONENTS

### Transceiver

- MODBUS RTU/TCP, JSON, MQTT, FTP — SSL secured
- Industrial-grade, isolated & protected I/O, EMC/EMI compliant
- Wi-Fi, Bluetooth & Modbus RTU communication
- 4× 24V isolated digital input, 4× 7A relay output

### Edge Gateway

- Collects data from every edge device on the shop floor
- Sends consolidated data to the Andon application server
- Supports Microsoft Azure, AWS & major cloud platforms

### Large Display

- Sizes: 32" · 43" · 50" · 55" · 65" · 75" · 85"
- LED display type for high shop-floor visibility
- Centralised, real-time line & plant status view

# OPTIMISE THE PRODUCTION PROCESS

*and reduce downtime, plant-wide*

- Retrofit-ready for any production environment — compatible with existing tower lights
- Cloud or on-premise software for shop-floor map loading & machine tagging
- Works for older equipment & manual work stations, over wired or wireless networks
- Live machine status monitoring — access anytime, anywhere
- Custom-labelled push buttons capture production-related incident data
- Consolidated view & reports across multiple machines and lines
- Centralised location for monitoring all machine running status
- Faster decisions with historical analytics for continuous improvement

**CASE STUDY**

**See the Andon System live on real production lines**

**leanmanufacturing.ai**

Scan to explore case studies

RDL Technologies Pvt. Ltd.

## RDL Technologies Pvt Ltd

Bengaluru | Mangaluru | Manipal

0824 298 8407 | 80884 23347 / 48

Message on WhatsApp

**RESELLER & PARTNER NETWORK**

Bengaluru · Mumbai · Nasik · Pune · Coimbatore · Gujarat · Noida · Chennai · UAE · Dubai · USA

**www.rdltech.in**