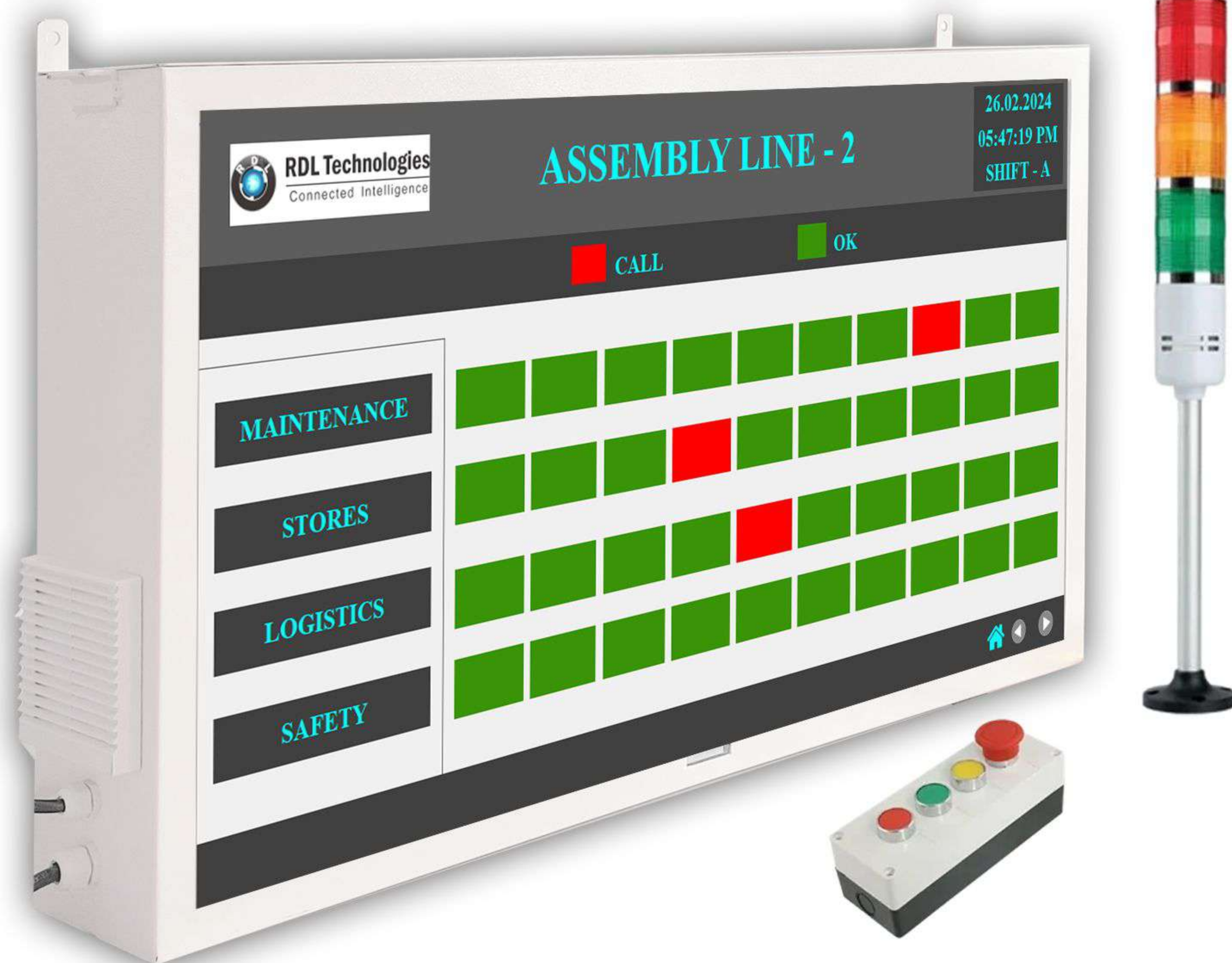




RDL TECHNOLOGIES

RDL881 / DATASHEET



ANDON

MAINTENANCE | QUALITY | STORE | SHIPMENT





ANDON Systems solution is designed to improve production line efficiency and reduce downtime by providing real-time feedback to operators and managers. Our solution allows for faster identification and resolution of issues on the production line / assembly line.

FEATURES

- Sensors and manual switch calling system.
- Automated alerts for timely response by operators and managers.
- Customizable visual displays for quick identification and resolution of issues.
- Integration with existing systems and equipment for seamless implementation.
- Historical data analysis for continuous improvement.

BENEFITS

- Improved operational efficiency through quick identification and resolution of issues on the production line.
- Reduced downtime and maintenance costs due to timely response to issues.
- Increased safety through early detection of potential risks.
- Easy integration with existing systems and equipment, resulting in smoother implementation and reduced costs.
- Comprehensive real-time monitoring and intuitive dashboards for enhanced visibility and decision-making.

APPLICATIONS

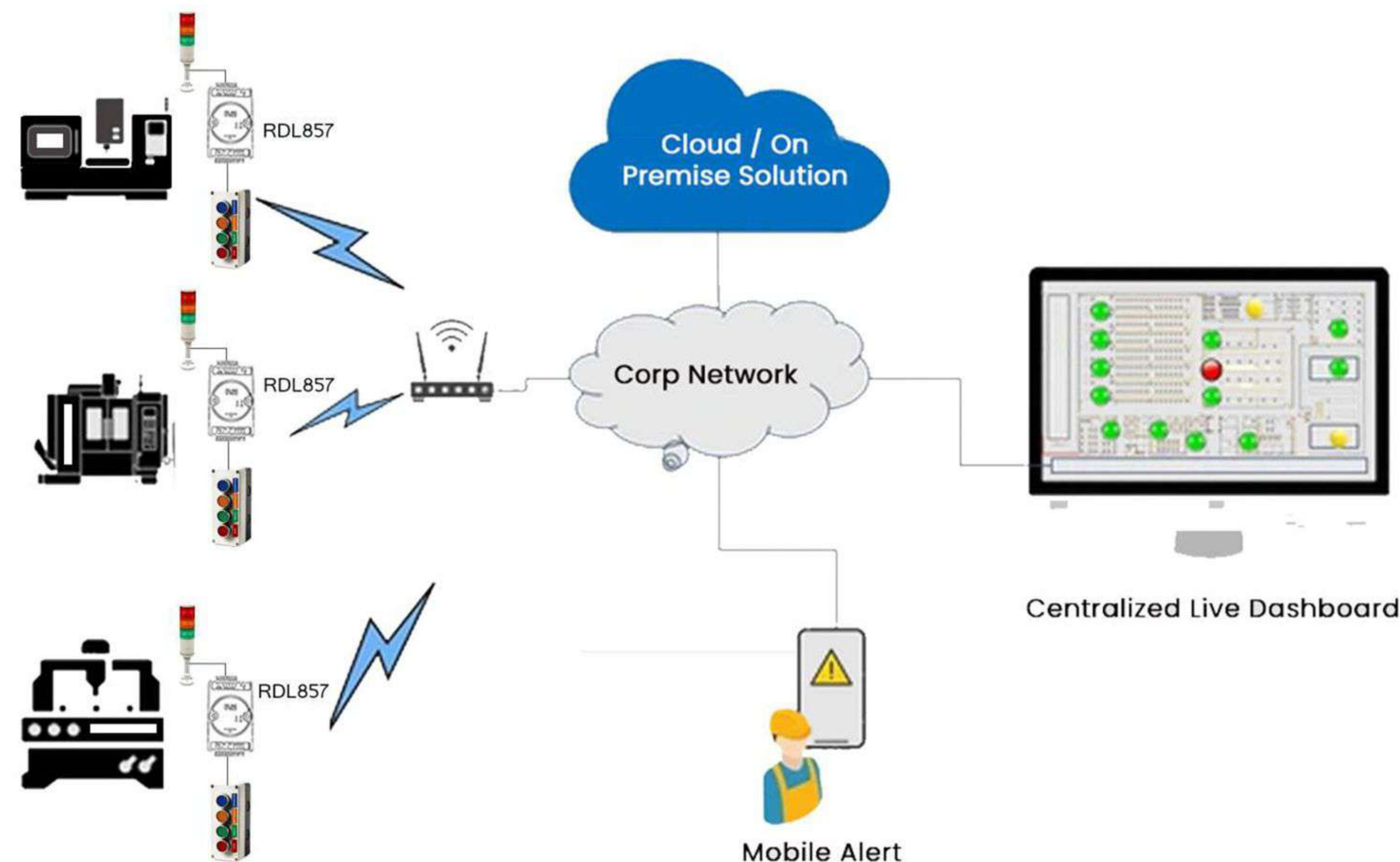
Our ANDON Systems solution is ideal for a broad range of manufacturing applications, including:

- Assembly line operations.
- Quality control and inspection.
- Inventory management and control.
- Maintenance and repair operations.
- Material handling and logistics.
- Supply chain management and optimization.

ANDON Systems solution provides a powerful and effective way to improve production line efficiency and reduce downtime. By providing real-time feedback to operators and managers, our solution enables businesses to quickly identify and resolve issues on the production line, ultimately leading to increased profitability and competitiveness.



OPTIMISE THE PRODUCTION PROCESS AND REDUCE DOWNTIME



- Retrofit solution for All production Environment & compatible with existing tower lights.
- Retrofit solution for older equipment or manual work station.
- Support both wired and wireless network.
- Custom labeled Push button for providing production related incident data.
- Centralize location/view for monitoring all machine Running status.
- Cloud / On premise based software for shop floor map loading and machine location tagging.
- Live Machine status monitoring - Access Anytime Anywhere.
- Consolidated view and reports of the operations across multiple Machines.

Starter Kit

Wired

- 4 Tier LED Tower Light - 2 No's.
- Custom Labeled Andon Manual Press Switch - 2 No's.
- Gateway - 1 No.
- Software - 1 Licence.

Wireless

- 4 Tier LED Tower Light - 2 No's.
- Custom Labeled Andon Manual Press Switch - 2 No's.
- Software - 1 Licence.

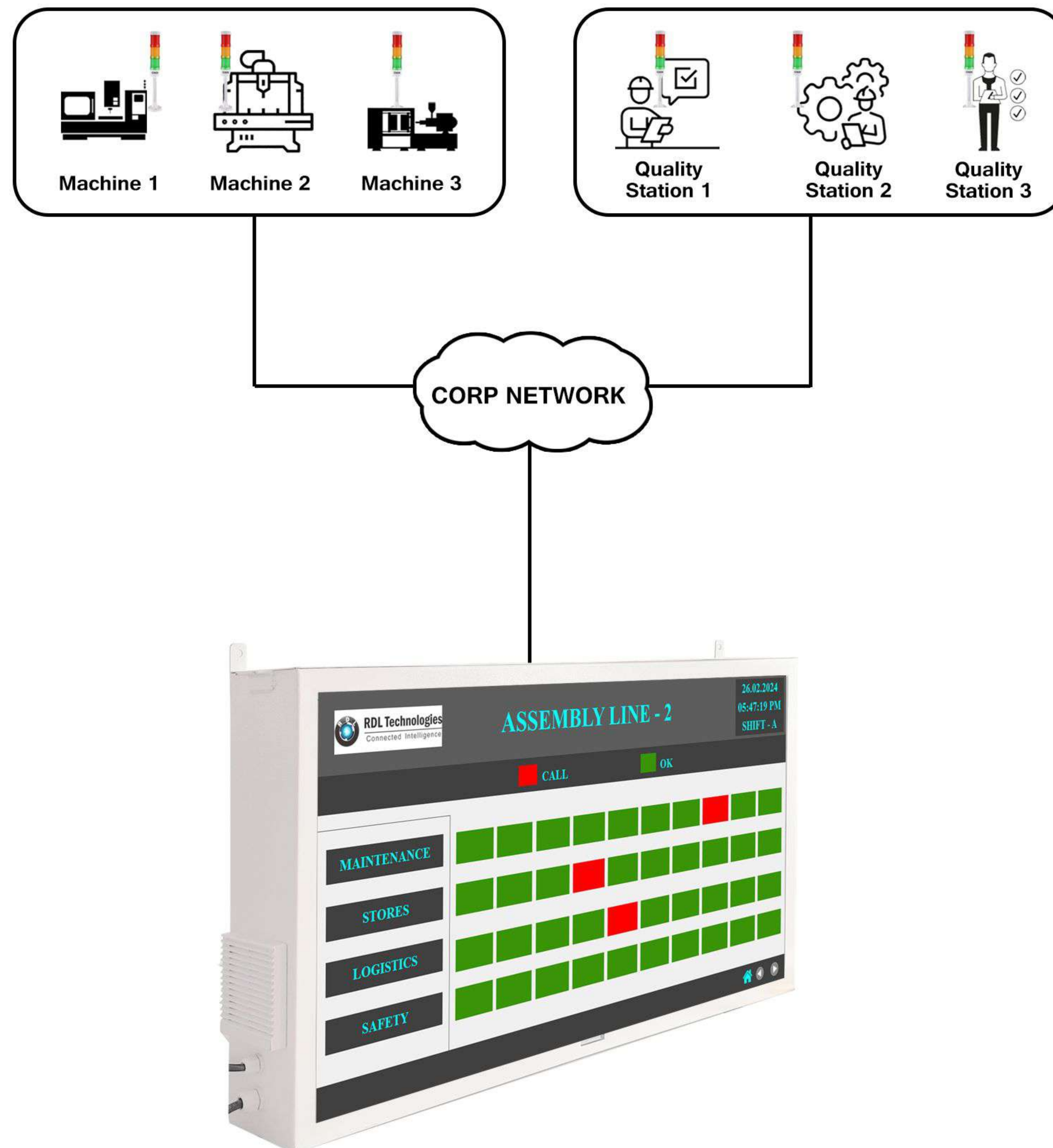
For Enquiry Contact

☎ 0824 2988407 | 80884 23348 / 7

✉ sales@rdltech.in

Scan & Register for Demo





MODULES

Hardware

Transceiver

- Device support multiple industrial protocols like MODBUS RTU, MODBUS TCP, JSON, MQTT, FTP and supports secure communication SSL.
- Industrial grade design - Isolated & Protected IO & EMC / EMI compliance.
- Support most of the cloud platforms including Microsoft Azure & AWS etc.
- Support communication over Wi-Fi, Bluetooth and Modbus RTU.
- Isolated & protected 4x 24V Digital Input & 4x 7A Relay contact.

Edge Gateway

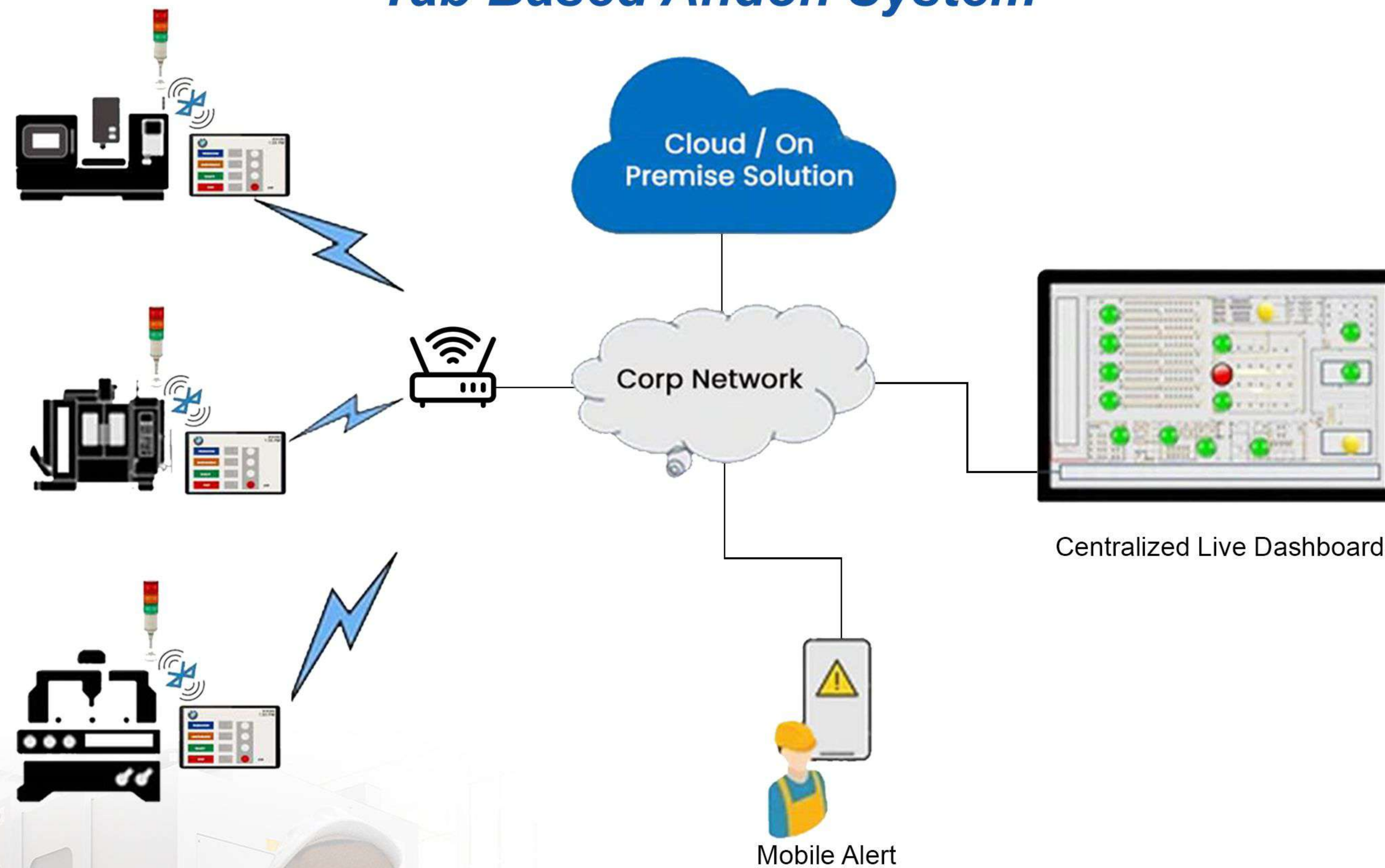
- Collects and sends data to the Andon Application Server from every edge device.

Large Display

- Available Display Size : 32", 43", 50", 55", 65", 75", 85" - inches.
- Display Type : LED



Tab Based Andon System



- 8-10 inch Android Display with capacity to touch inputting system.
- Support bluetooth communication with edge devices.
- Customizable interfaces.
- Modular design enables easy retrofitting and expansion without disrupting the IT infrastructure.



TOWER LAMP



FEATURES

- Lamp for machine status Indication.
- Suitable for machines and equipments in high light output LED's.
- CE certified.
- ROHS Compliant.
- IP 54 grade Protection.
- 180 degree Foldable.
- Heat Resistant, shock proof & easily mountable.
- Stringently checked on various criterion of performance.
- Modular design with superior finishing & tamperproof packaging.
- Longer functional life.

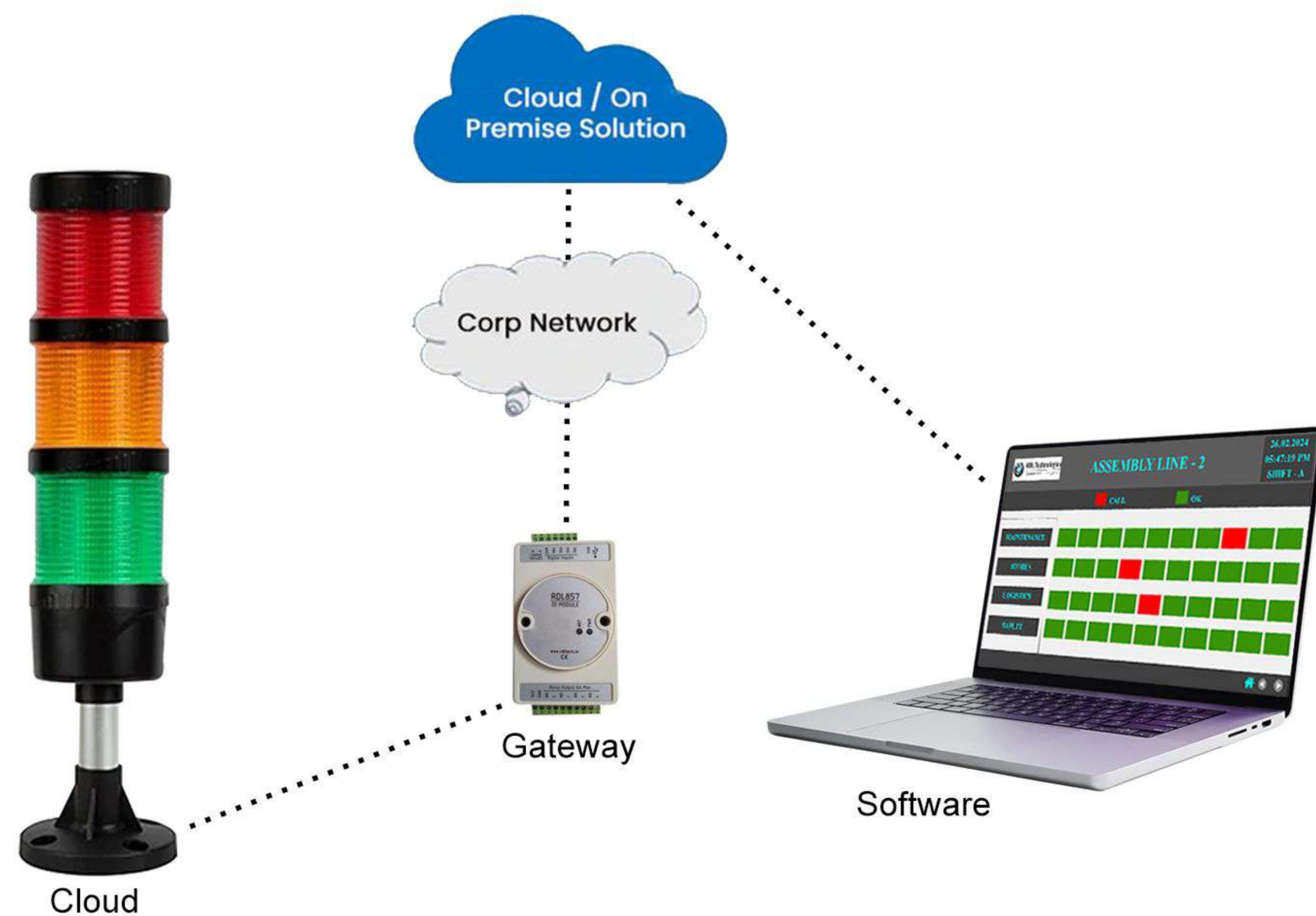
SPECIFICATION

• Input Voltage	12V -24V AC/DC – 110V/230VAC	
• Operating Temperature	0oC to 70oC	
• Luminaire	PCB Mounted LED's	
• LED Power dissipation	72mW	
• CRI	82 Typical	
• LED Color	Red / Amber / Green / Blue / Clear	
• Functions	Steady / Flashing / Buzzer	
• Foldable	180 degree	
• Protection grade	IP 54	
• Aluminium Stem	50 mm	
• Flasher	IC 555 & TIP 127 Transistor	
• LED operating current	20 mA	
• Buzzer Current	100 mA	
• Buzzer Sound	<100 db	
• Diameter	Ø 60 mm	
• Average Life Hours	30000 Hrs	
• Luminous	Red	: 900-1200 mcd
	Amber	: 400-900 mcd
	Green	: 2000-2200 mcd
	Blue	: 200-500 mcd
	Clear	: 800-1100 mcd

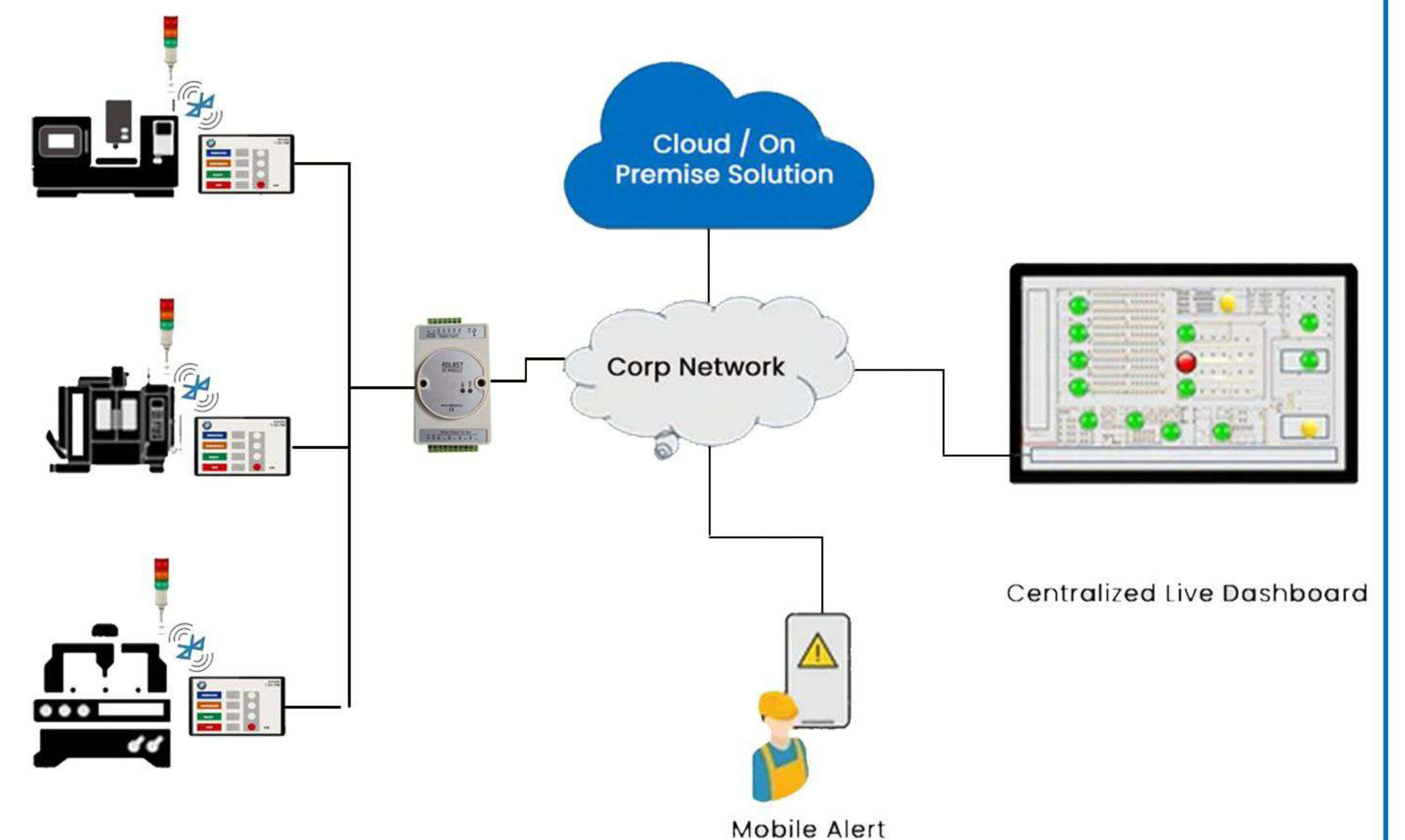


ANDON CONNECTIVITY ARCHITECTURE

Wireless Connection



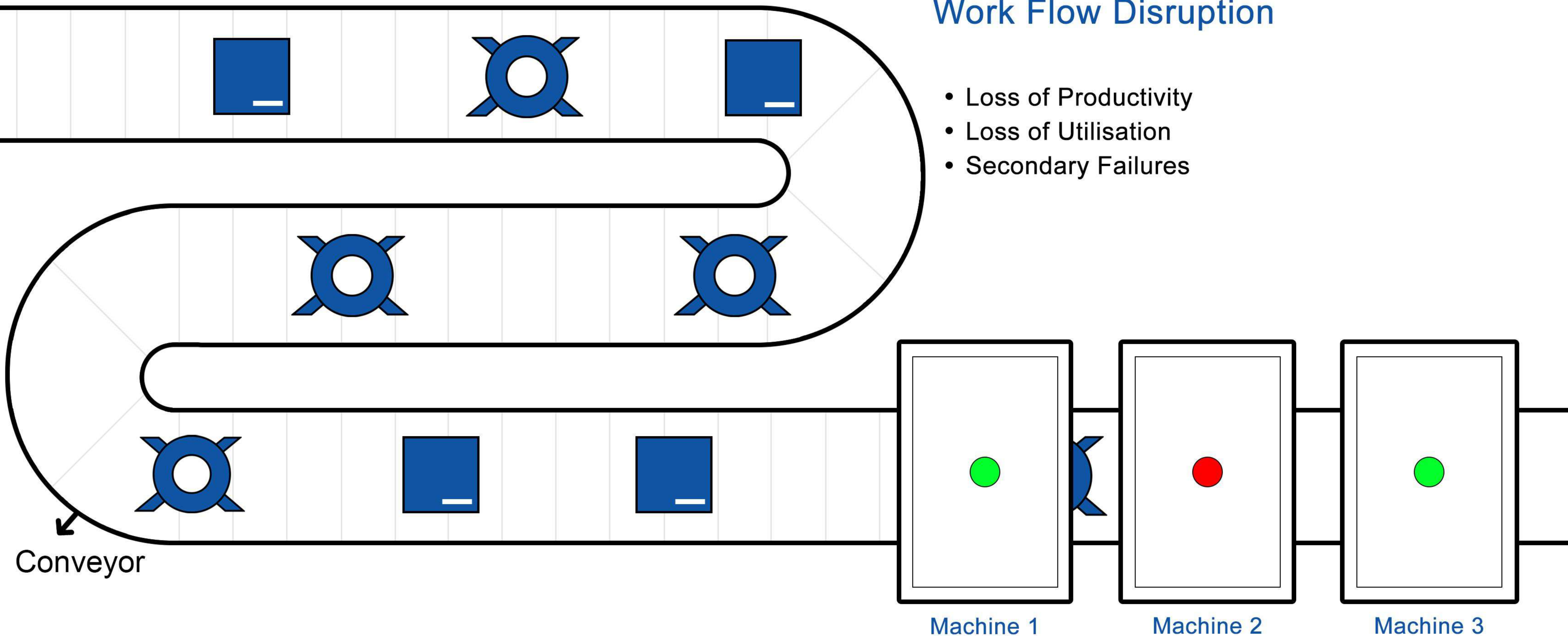
Wired Connection

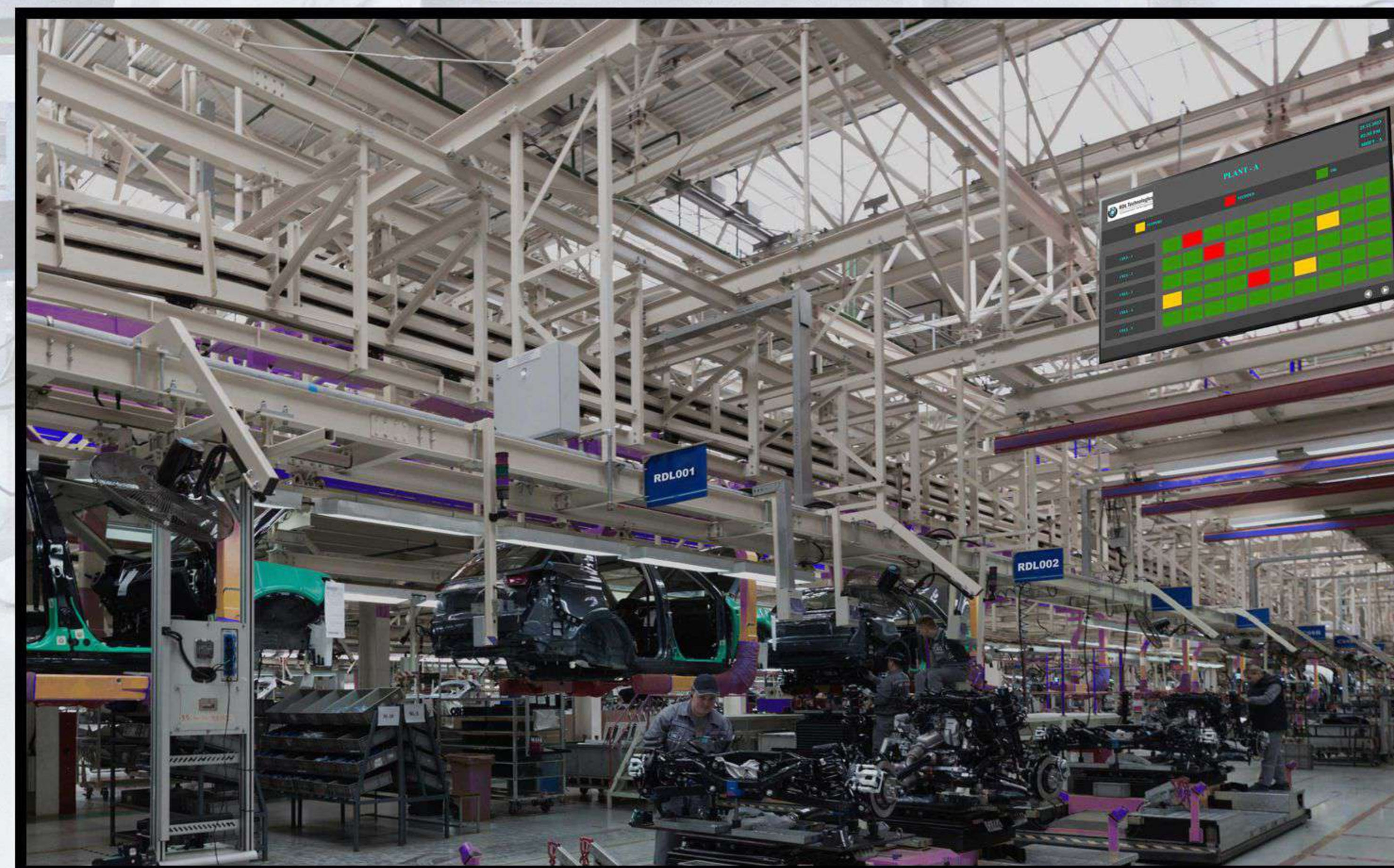
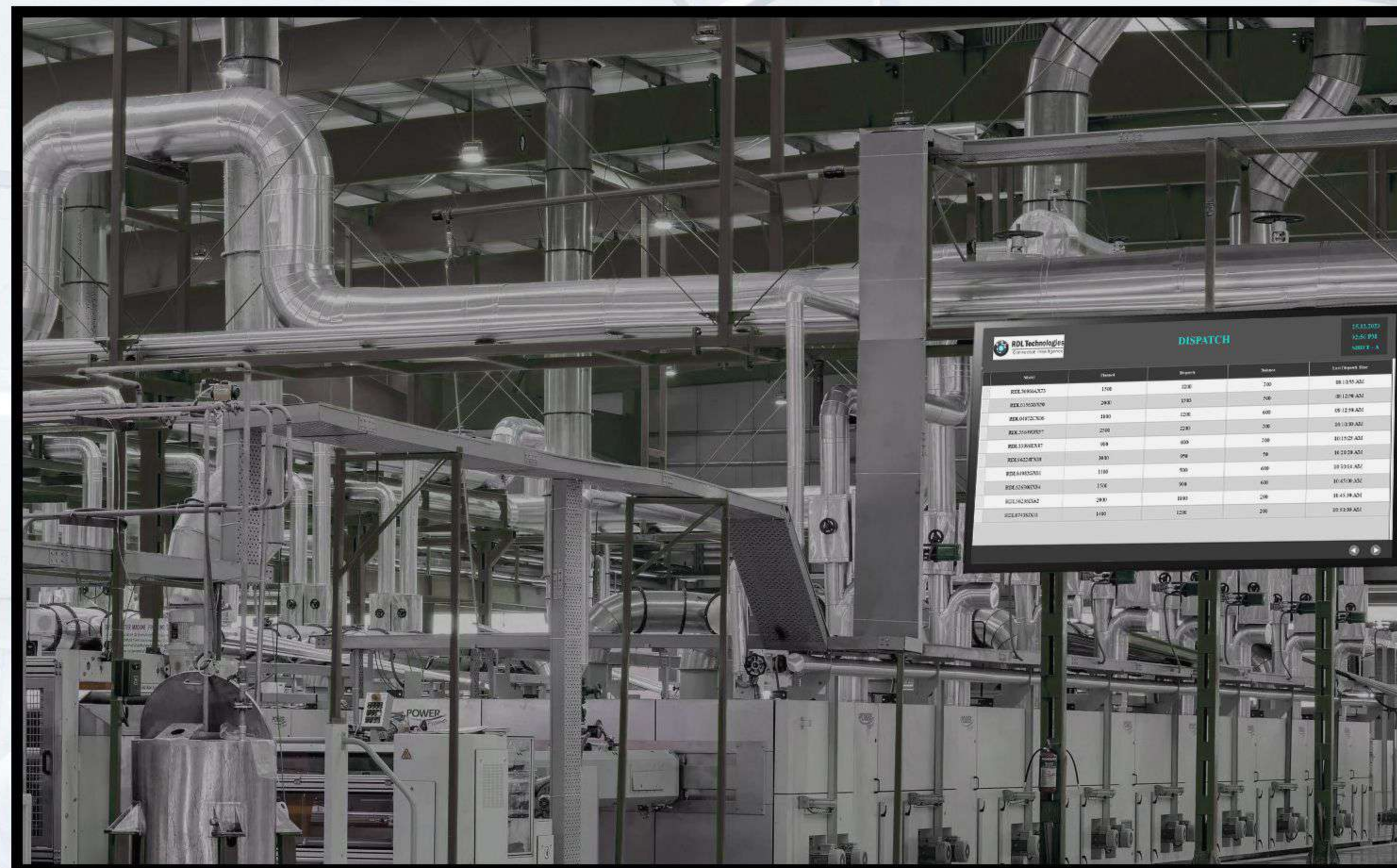




Single Element Failure = Work Flow Disruption

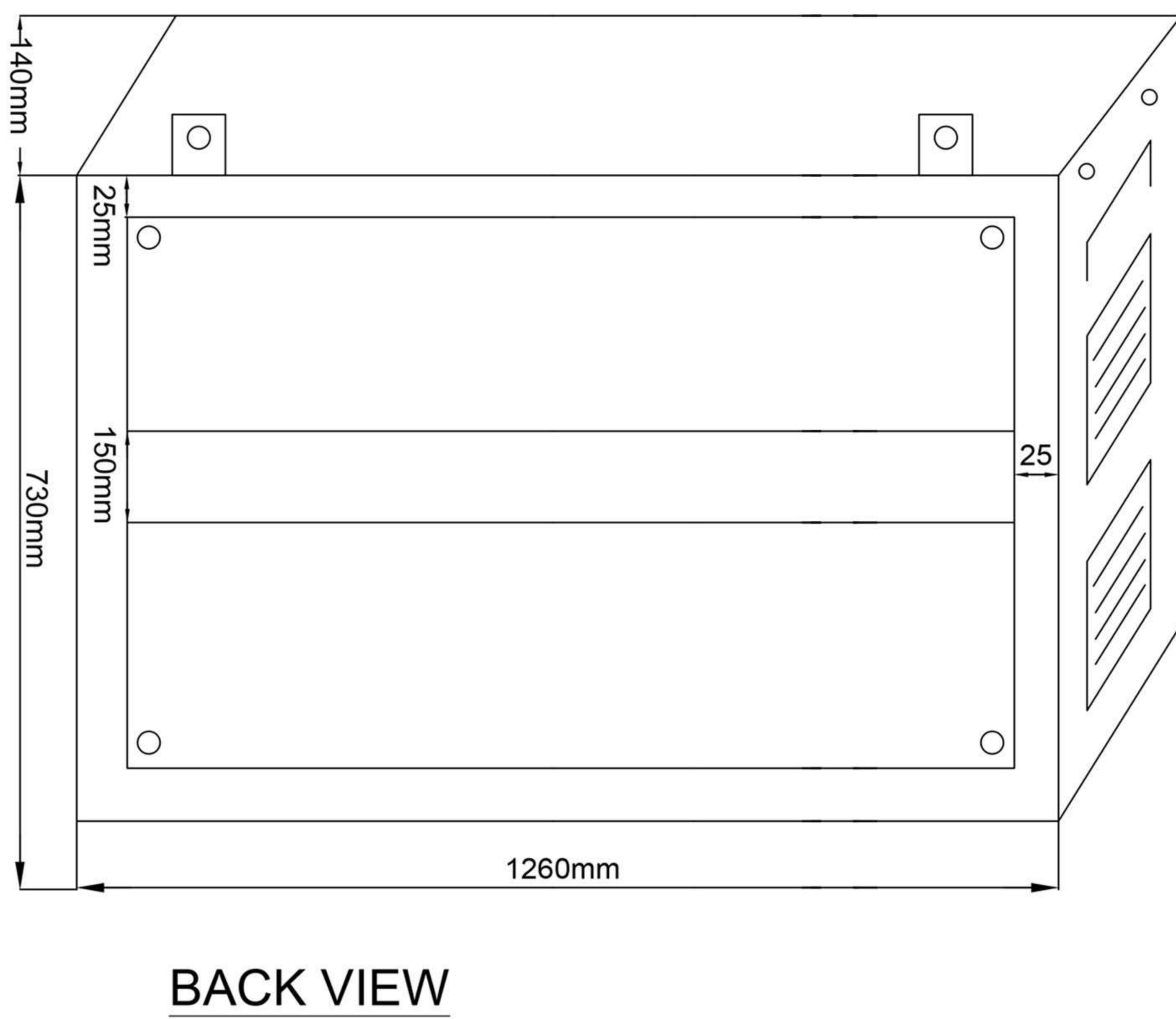
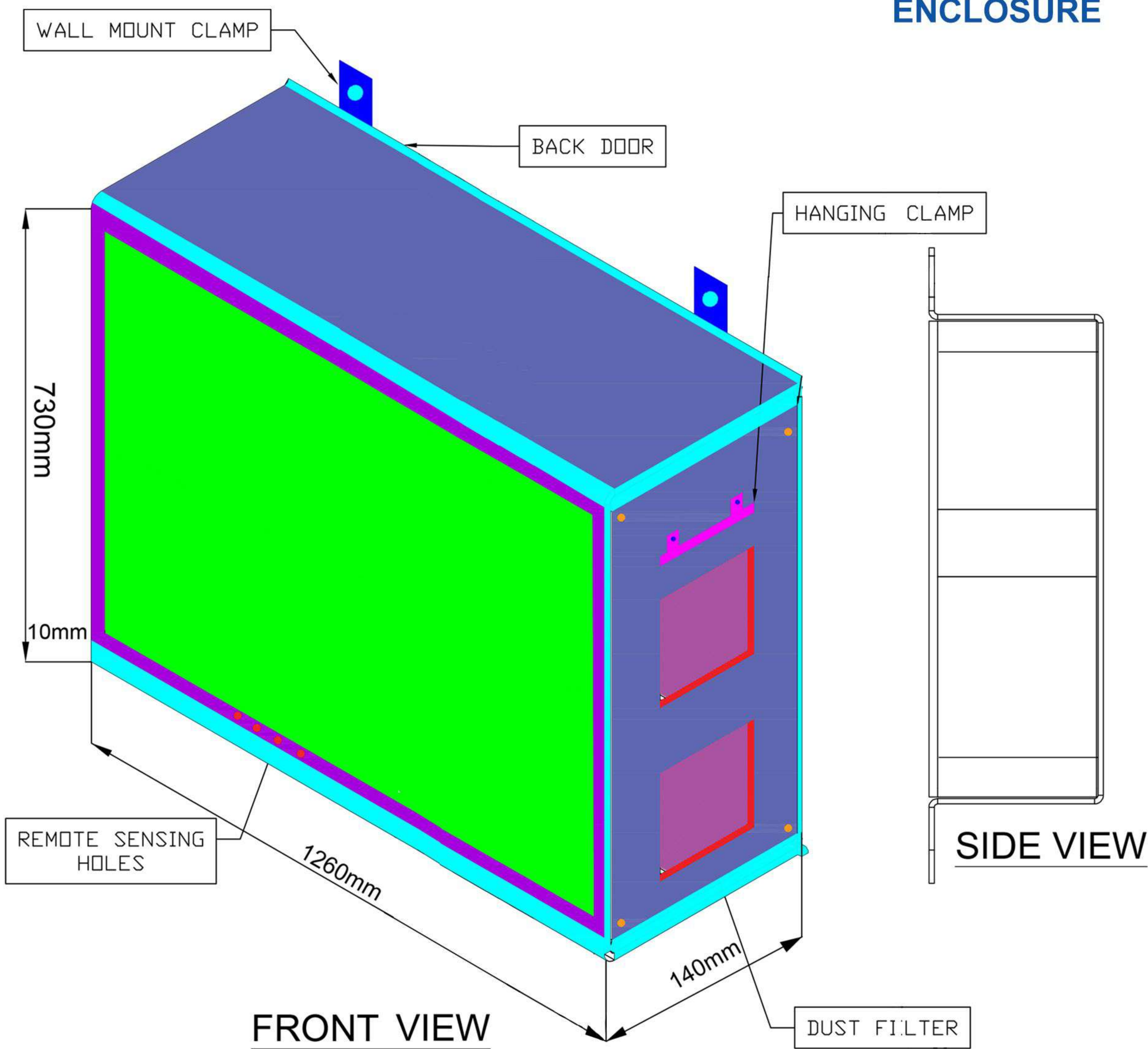
- Loss of Productivity
- Loss of Utilisation
- Secondary Failures







ENCLOSURE





Note:

1. Unless otherwise specified, all parameters in this datasheet were measured at 25°C and 75% humidity.
2. All index testing procedures in this datasheet are based on our company's corporate standards.
3. We offer product customization, OEM and ODM Services; please contact the sales team @ sales@rdltech.in.
4. We Ship Worldwide.
5. Specifications are subject to change without prior notice.
6. For additional information on Product and to buy online @ www.researchdesignlab.com

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