

Intelligent Field Device(IFD)



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An intelligent field device is a type of equipment or sensor used in industrial automation systems that has built-in processing capabilities, enabling it to perform tasks like data collection, analysis, and communication with other devices or control systems without the need for a centralized controller. These devices typically use advanced sensing technologies, microprocessors, and communication protocols to monitor and control various parameters in real-time

(Lift)



(escalator)



(Tunnel Light)



(Water Pump/bore well)



(Substations)



(IFD)

Intelligent Field Device(IFD) Benefits

- ❖ Data Monitoring and Management
- ❖ Remote Monitoring and controlling
- ❖ Automation (Monitoring & control) system
- ❖ Improved accuracy and efficiency in process control.
- ❖ Enhanced predictive maintenance through diagnostics.
- ❖ Reduced downtime and maintenance costs.
- ❖ Better data availability for analytics and optimization.

Intelligent Field Device(IFD) Uses/Applications

- ❖ Water Pump & Bore well Monitoring and controlling
- ❖ Lift and Escalator Monitoring and controlling
- ❖ Tunnel and street Light Monitoring and controlling
- ❖ Substations Monitoring and controlling.