

## Intelligent Field Device(IFD)

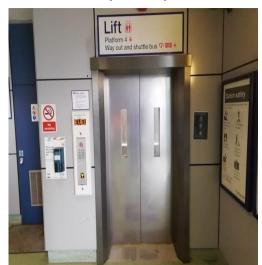




## Intelligent Field Device(IFD)

An intelligent field device is a type of equipment or sensor used in industrial systems that automation 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 sensing technologies, advanced and communication microprocessors, protocols to monitor and control various parameters in real-time

(Lift)



(Water Pump/bore well)



(escalator)



(Tunnel Light)





(Substations)



(IFD)
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## 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.