



Customized IoT Solutions
For Plant, Process, Machine and Utilities
monitoring & control



Welcome to **Crystal Vision**

Empowering efficient IoT based automation through smart solutions.

Since 2007, Crystal Vision has been at the forefront of delivering innovative automation systems designed by seasoned technocrats. With over 14 years of proven experience, we are your trusted partner for intelligent IoT based Automation solutions.

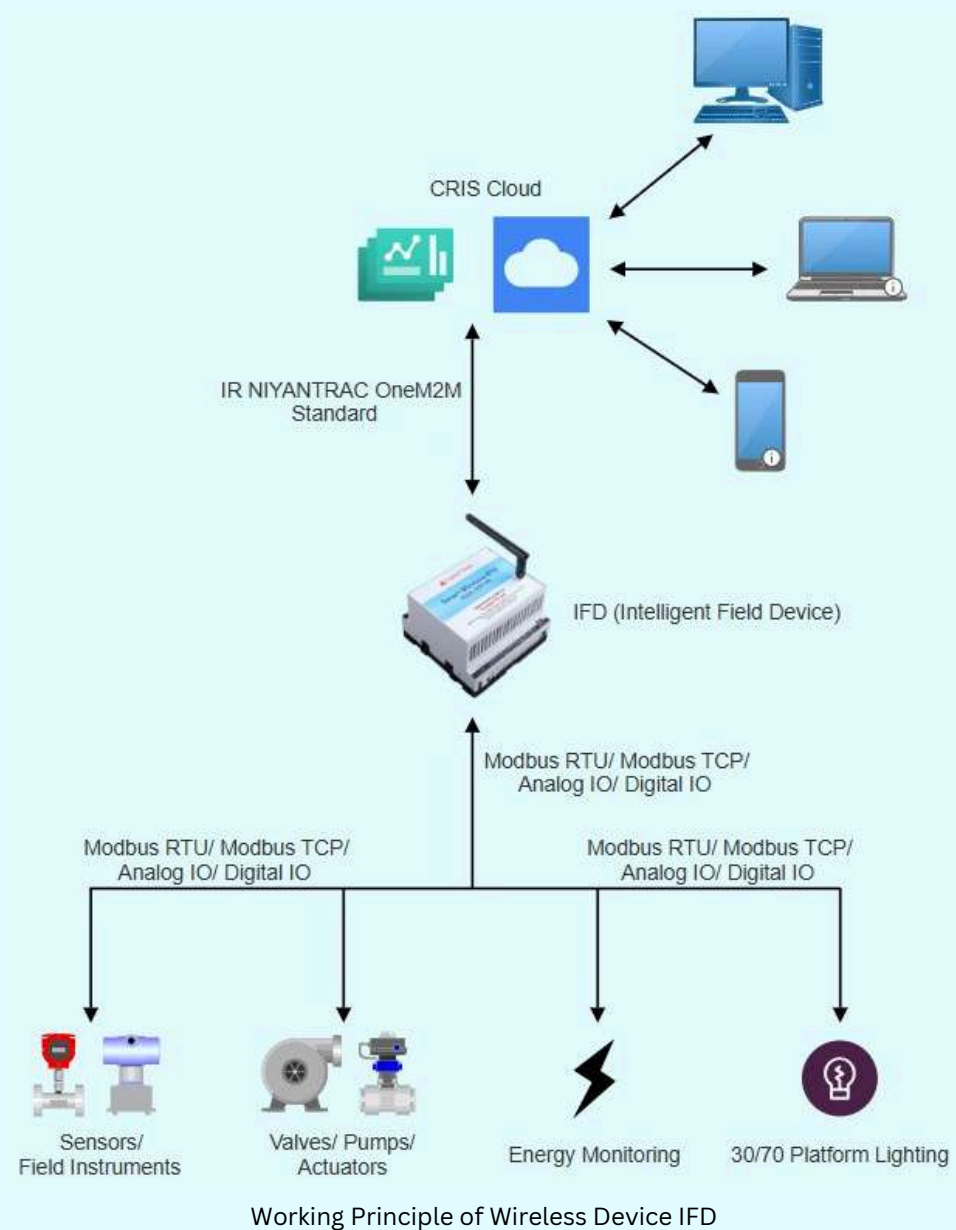
We provide smart IoT-based automation solutions for townships and railway stations for Indian Railways, aligned with the **IR NIYANTRAC** standard for effective monitoring and control of critical infrastructure and assets.

What We Offer -

One-Stop Solution: Comprehensive products and systems from concept to commissioning

Versatility: Wired and wireless options to meet diverse requirements

Customization: Tailored solutions to address unique challenges



Working Principle of Wireless Device IFD

IFD Features:

- Compatible with the **IR NIYANTRAC** standard defined by Indian Railways based on the OneM2M protocol for communication with cloud server
- Offers reliable internet connectivity via Wi-Fi or Sim card
- Supports a wide range of field protocols like Modbus RTU, Modbus TCP, Analog I/O, and Digital I/O
- Built-in SD card storage support ensures data is safely logged during internet outages and automatically published once connectivity is restored
- Integrated Real-Time Clock (RTC) for accurate data timestamping



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