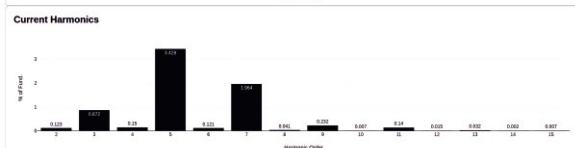
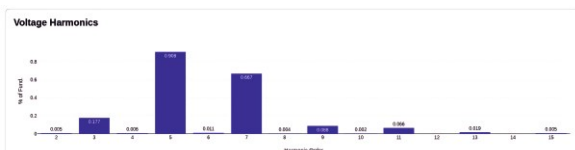
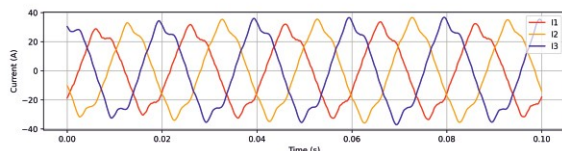
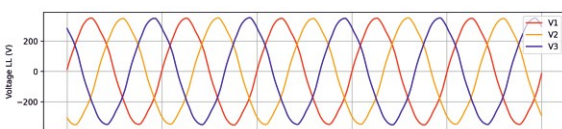
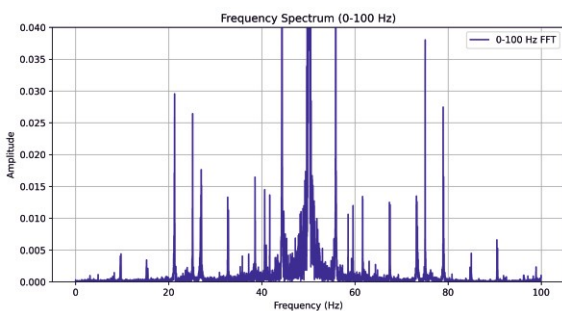




## MCSA - Online

### INTRO :

**MCSA-Online** Delivers intelligent motor health monitoring through advanced motor current signature analysis. It identifies faults long before they lead to failures. The result: safer, more efficient, and more reliable operations.

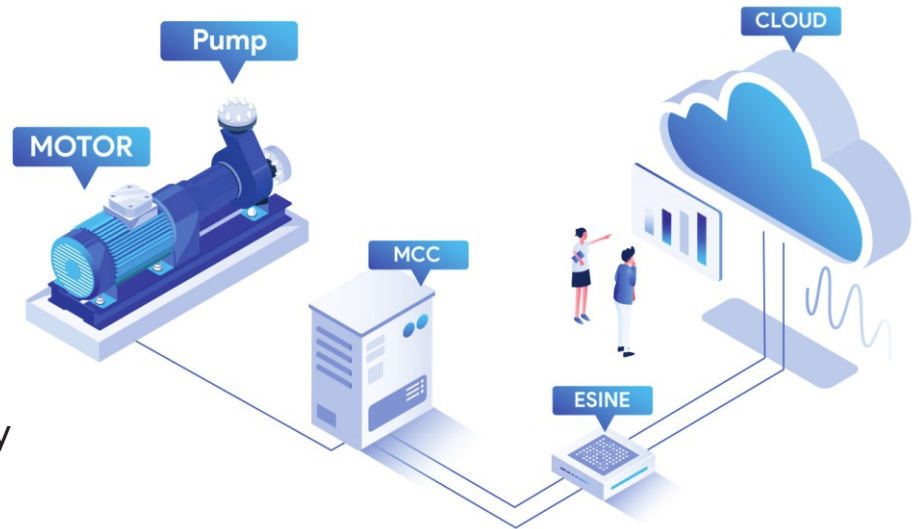


### ! FAULTS :

- ◆ Bearing failure
- ◆ Stator winding failure
- ◆ Power Loss Analysis
- ◆ Interturn faults
- ◆ phase-to-phase faults
- ◆ Broken/cracked rotor bars
- ◆ Static and dynamic rotoreccentricity
- ◆ Phase Imbalance
- ◆ Rotor shaft misalignment
- ◆ Mechanical Imbalance
- ◆ Pump, Gearbox, Belt Pulley, Blower Fan, Faults

## KEY FEATURES :

- ◆ Remote monitoring
- ◆ Realtime alerts
- ◆ Power loss calculation
- ◆ Power quality analysis
- ◆ Inrush current analysis
- ◆ Fault trend charts
- ◆ Equipment operation history
- ◆ Harmonics analysis



## KEY BENEFITS :

- ◆ Non intrusive
- ◆ Early fault detection
- ◆ Enhance reliability
- ◆ Reduce unplanned downtime
- ◆ Continuous real-time monitoring

## PREDICTIVE INTELLIGENCE THAT ACTS BEFORE FAILURE

## TECHNICAL SPECIFICATIONS :

### Device Details :

Power supply	5V DC
Dimensions	Digital-190 X 190 X 48 mm / Analog - 92 X 90 X 37 mm
Communication	Ethernet and USB
Measurement inputs	3-Ph Voltage and Current
Measurement accuracy	1.0% current, 0.5% voltage
Sampling frequency (pre-configured)	10kHz

### Current Measurements:

Connection type:	Terminal Connectors
Current Transformer type	Max 30.5V

### Voltage Measurements:

Connection type	Terminal Connectors
Voltage range	800V

### Data collection:

Scheduled and continuous captures	Rms, Max, and Peak values
Transient and event captures	Load, PF, efficiency values
Unbalance and THD values	Active, Reactive and Apparent power values
Frequency spectrum analysis	Time waveform analysis
Power quality analysis	kW losses analysis

## Thank You

For trusting us to drive the performance and reliability of your critical electrical assets.