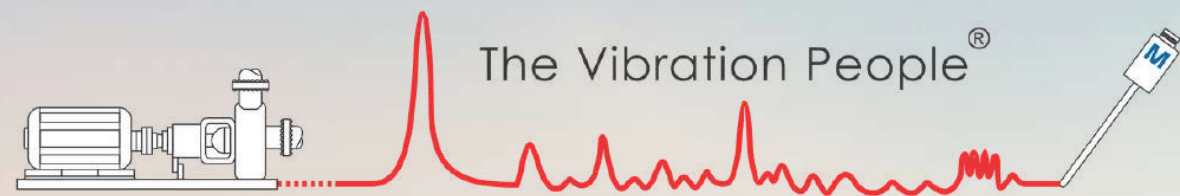# IO Sense for Vibration Monitoring

On-Premise/Cloud Based Software for Data Viewing, Trending and Insights

IRD Mechanalysis® Limited

The Vibration People®

in association with

FACLON LABS

About Us

IRD Mechanalysis® Limited

The Vibration People®

Condition Monitoring Solutions provider

Founded in 1955

Manufactures Vibration Meters, Sensors and Monitoring Systems

Provides associated services such as Training, Consulting, Commissioning and Repairs and Calibration

Has multiple installations around the World

FACLON LABS

Industry 4.0 and IOT Enabler

Founded by IIT Bombay Alumni

Provides Cloud Based and IOT ready Platform IO Sense for integrating Plant Assets

Enables Customers to harness the advantage of Industry 4.0 and AI and Machine Learning

Why Vibration Monitoring

Every Machine Vibrates when it runs

Any increase in vibration is a sign of trouble

Each trouble has its own unique characteristics

Vibration Monitoring helps prevent unwanted downtime due to high vibration

IO Sense Features

Data Viewing

Allows User to view Data on Mobile/Tablet/PC using a Standard Browser

Provides Dashboard that allows user to have a quick overview of the condition of their assets

The Dashboard is configurable and can be configured to view Data in Graphical or Tabular format

IO Sense Features
Trending

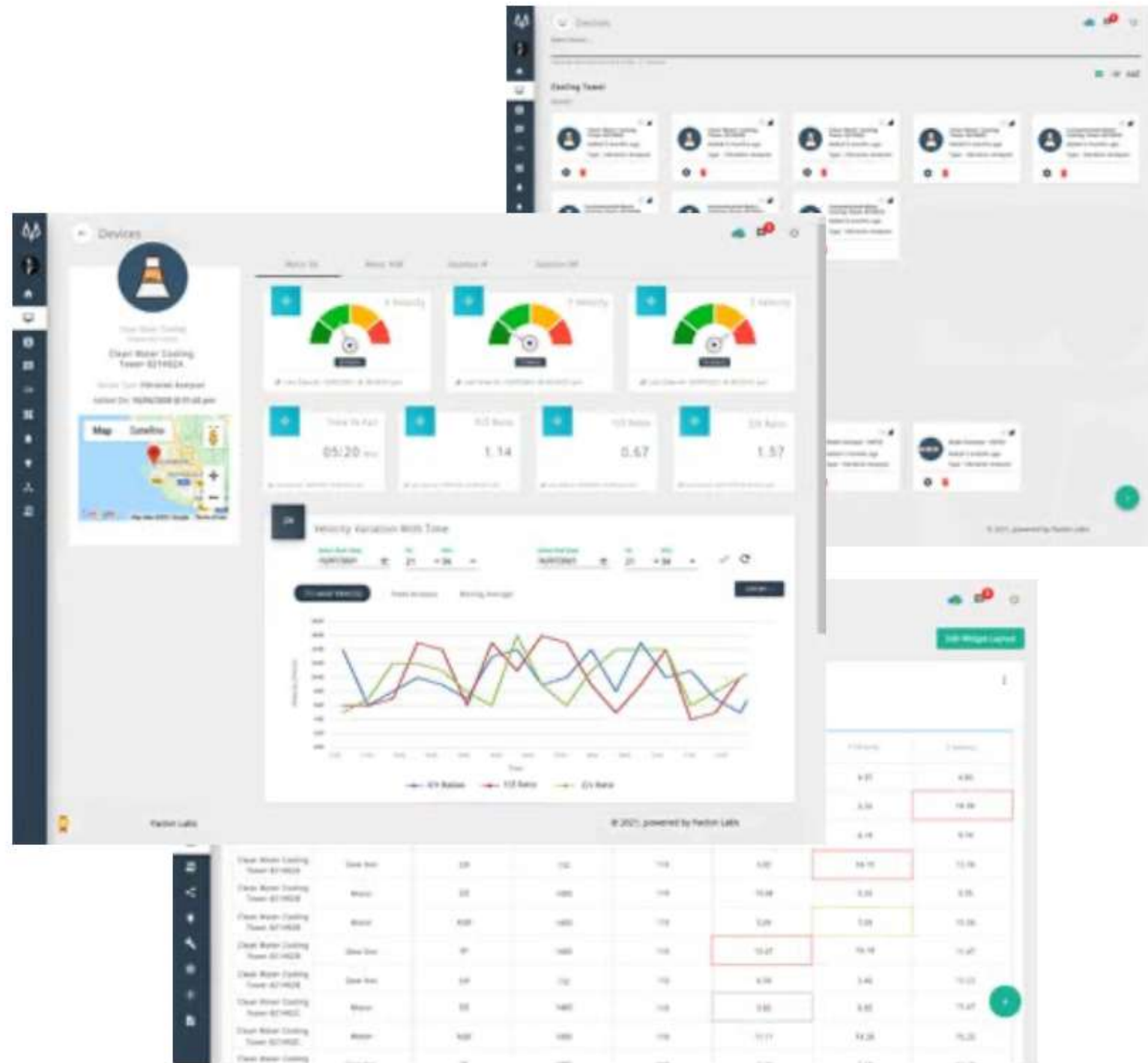Allows User to view Live Trend as well as Historical Trend

User can set the Data Refresh Rate for the Trend

User can configure and Monitor Alarm and Trip Setpoints. Helps in Advance Warning for Preventive and Predictive Maintenance

IO Sense Features
Reports

Diagnostic Messages using HVA Vibration Data*

Allows User to get SMS** and Email Alerts for Alarms and Warnings

Allows User to Configure Automatic Reporting schedule on Daily, Weekly or Monthly Basis

Allows User to View and Export Historical Data in CSV, XLS formats

*requires sensors covering Horizontal, Vertical and Axial Direction
**requires Cloud based setup and not on-premise

Typical System Scheme
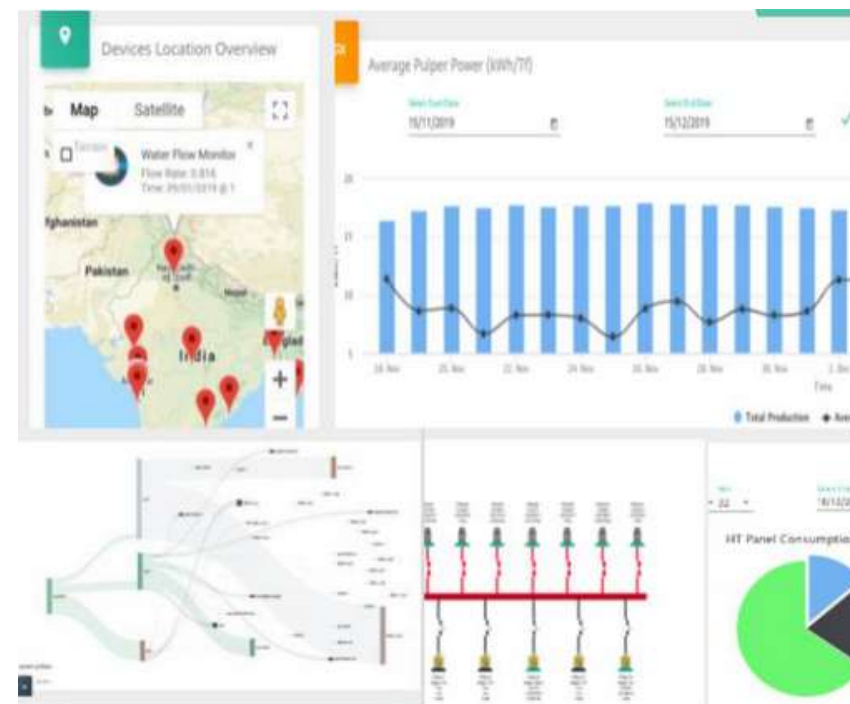

Assets (Motor, Pump, Fan, etc.)

Sensors

User

IO Sense

VMS

Benefits of Using the System

Advance Intimation of Imminent Failure. Helps plan Inventory

Peace of Mind. Round the Clock 24 x 7 Monitoring of your Plant Assets

Helps save Resources - Time, Effort and Manpower

Increases Plant Uptime, Availability and Efficiency

Some of our Customers

Contact Us

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