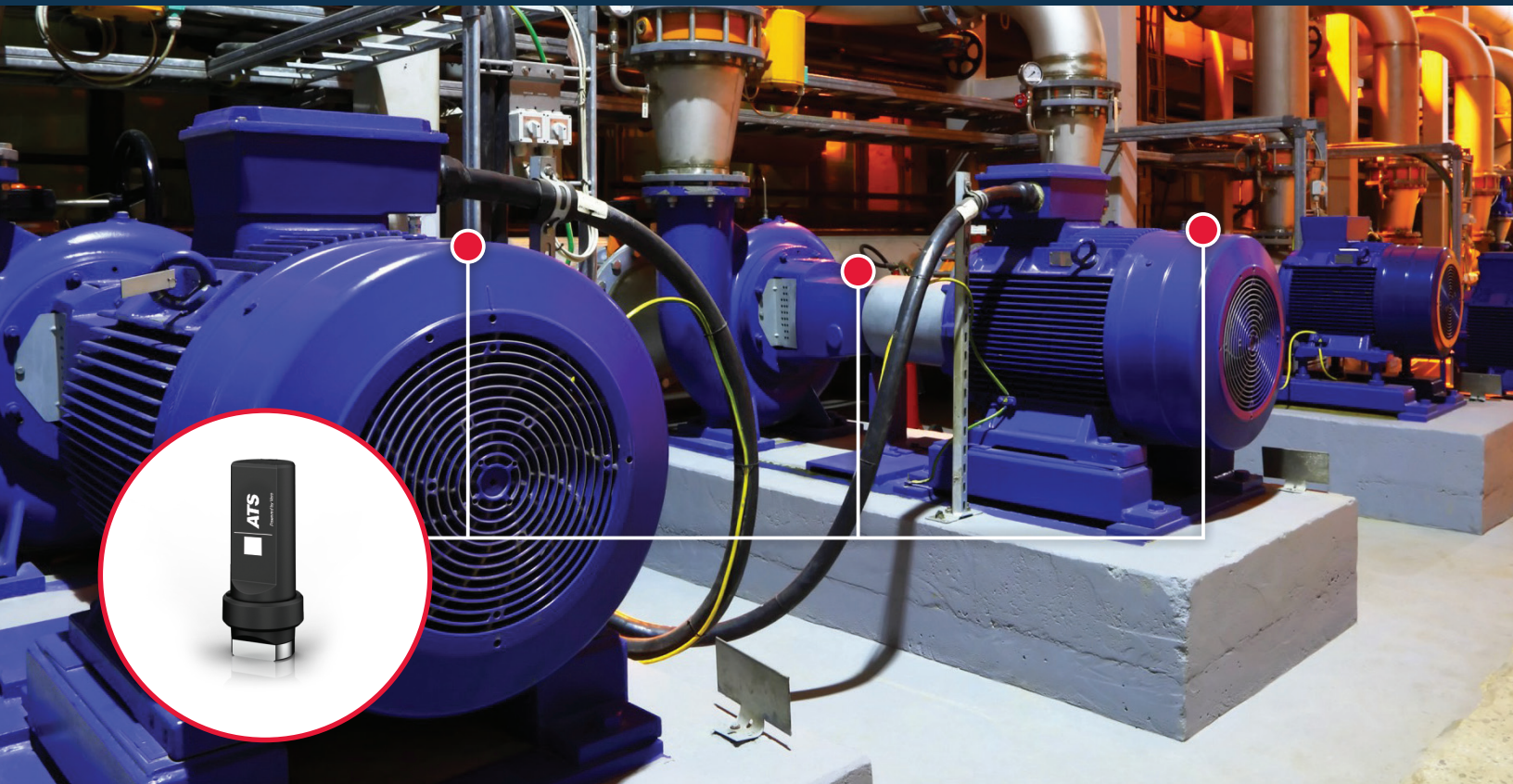# Machine Health Monitoring System

Key Features

- Tri-axial Accelerometer and Temperature Sensor

- Customized Bluetooth Low Energy Between Sensor Modules and Hub

- Multiple Sensor Readings Per Day

- Actionable Data & Alerts

- You Own Your Data

- Maintenance of Monitoring System Included

- Lifetime Hardware Warranty

- Ruggedized Corrosion Resistant Enclosures

Sensor

Sensor Data

- Tri-axial Accelerometer
  - Frequency Response Up to 8kHz (xy), 5.1kHz (z)
  - Measurement Range Up to 20 G
  - 16-Bit Resolution
- Temperature Sensor
  - Accuracy of +/- 1°C

Mounting Provisions

- Magnetic Mounts
- Epoxy or Threaded Studs Available
- ¼-28 UNF Tapped Hole

Physical Dimensions

- Height: 5" / 12.7 cm
- Largest Diameter: 2" / 5.1 cm
- Weight: 0.33 lbs / 0.15 kg

Mechanical Specifications

- Ruggedized Enclosures
- Corrosion Resistant
- Stainless Steel Base
- RoHS Compliant
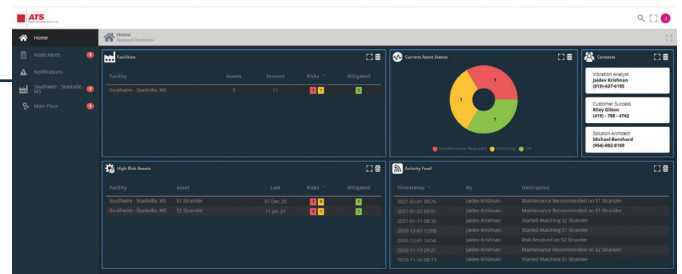- Temperature Operation to -20° C to +60° C (-4° F to +140° F)

Hub

Communication

- 16-bit MCU
- Protocol 802.11 b/g/n WiFi 2.4 GHz
- WPA2 with AES Encryption
- Bluetooth Low Energy 2.4 GHz (Customized Protocol)

Software

Dashboard

- Easy to Understand Temperature and Vibration Charts
- Peak Overall Velocity Graphs for Vibration Analysis
- Isolate X, Y, or Z Axis For Vibration Analysis
- 8192 Samples With Each Vibration Data Point
- Toggle Between Celsius and Fahrenheit
- Easy to Recognize Notification Features Designed to Reduce Alert Fatigue
- Variable Sampling Frequencies of 256 Hz, 512 Hz, 1024 Hz, 2048 Hz, 4096 Hz, and 8192 Hz

Customization

- Easily Map Your Equipment With Your Terminology
- Time Domain Waveforms Available
- Spectral Waveforms Available (FFT)
- Create Notification Groups and Escalation Groups (SMS or Email)