SX3 VIBRATION SENSOR

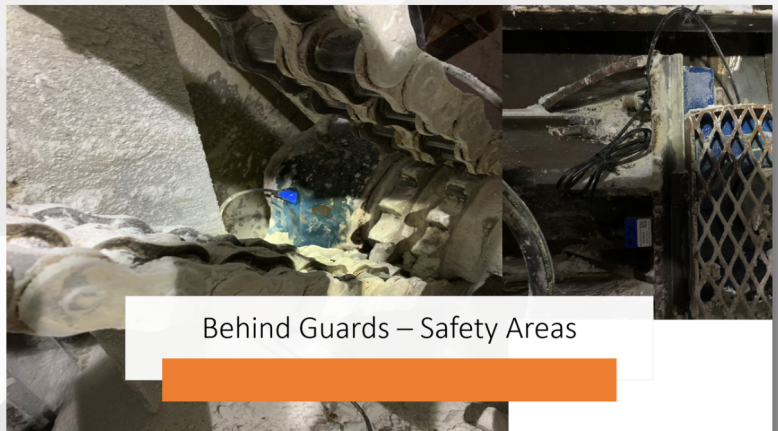**SpaceSense CORPORATION**

Key Features

- Triaxial 20kHz sensor + temperature +/-40g
- 2,500 Hz FMAX (150,000 CPM)
- Frequency down to DC / Velocity down to 3Hz (180 CPM)
- 16-bit ADC resolution
- Up to 6 second time waveforms for 15,000 lines of spectral resolution per axis in FFT
- 30,000 per axis, per 6 second sample = 90,000 records + temperature
- Capable of 128-bit AES encryption
- Encrypted communication between sensor processor and Bluetooth Low Energy (BLE5) Appliance

- Edge Appliance processing control and data management
- 6-foot cable (standard) between sensor and battery, communications (custom lengths available up to 72 feet)
- Up to 2,000 feet communications range subject to environment (normal 900 feet) for communication tag to Appliance
- -40°C to 85°C temperature range
- Sensor temperature reports up to 218°F
- Typical 2 to 3-year battery life with field replaceable battery (based on regulated sampling)
- Class 1 Division 2 certified Wireless Sensors
- Option for LTE cellular communication
- Place Small Sensor Where it needs to go Behind Safety Guards - in hard to reach places on bearings.
- Place Communication Edge Device for Best RF connection - optimizing overall solution success

SCAN ME

Behind Guards – Safety Areas

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Certification Record

Listing#: E114978
Report #: 105730
Original Certification Date: March 27, 2020
Revised Certification Date: N/A

This Certification is issued to:
SpaceSense Corporation
3714 Alliance Drive, Suite 105
Greensboro NC 27407

Stating that the product(s):
SX3 Vibration Sensor and Communication TAG
SX3_FSC-BT616

Achieved Certification to the following standard(s):
ANSI/ISA-12.12.01-2015: Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations;
Approved 21 August 2015; Second Printing 17 November 2015
CAN/CSA C22.2 No. 213-16: Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations; Second Edition, 11 May 2016
UL 61010-1/CSA C22.2 No. 61010-1:2010, Third Edition, Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements

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