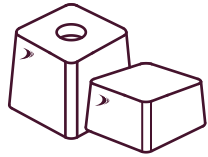




DYNAPREDICT SOLUTION

Solution for monitoring and increasing
the availability of industrial assets

THE SOLUTION:



DynaLogger:

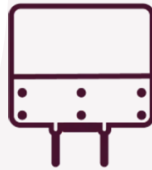
Bluetooth data logger with vibration and temperature sensors that monitors machine health and enables spectral analysis.



App

Collects the data stored by the DynaLoggers and allows instantaneous readings.

+

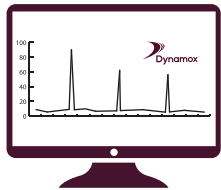


DynaGateway:

An alternative for data collection. It collects data automatically, sending the data directly to the Web Platform.

and/or

+



DynaPredict Web Platform:

Online platform that allows complete data analysis. It has practical tools that support decision making and maintenance actions.



DYNAPREDICT FAMILY

A solution to each type of vibration



DynaLogger HF+

Wireless vibration and temperature sensors with BLE 5.3 communication with metallic base. Spectral analysis and telemetry capability up to 13.3kHz. Anti explosive zone 0 and zone 20. IP66 and IP68. Continuous minute by minute monitoring.



Bluetooth
Low Energy 5.3

Telemetry (up to 1 min):
Contact temperature and various
vibration metrics (bands, magnitudes,
indicators)

More robustness
with aluminum base

Ultra-low rotation
spectral analysis capability

Higher amplitude
resolution (16 bit)

Up to 98.000 spectral lines

IP66 / IP68
Ex: Zone 0 and 20

DynaLogger TcAs

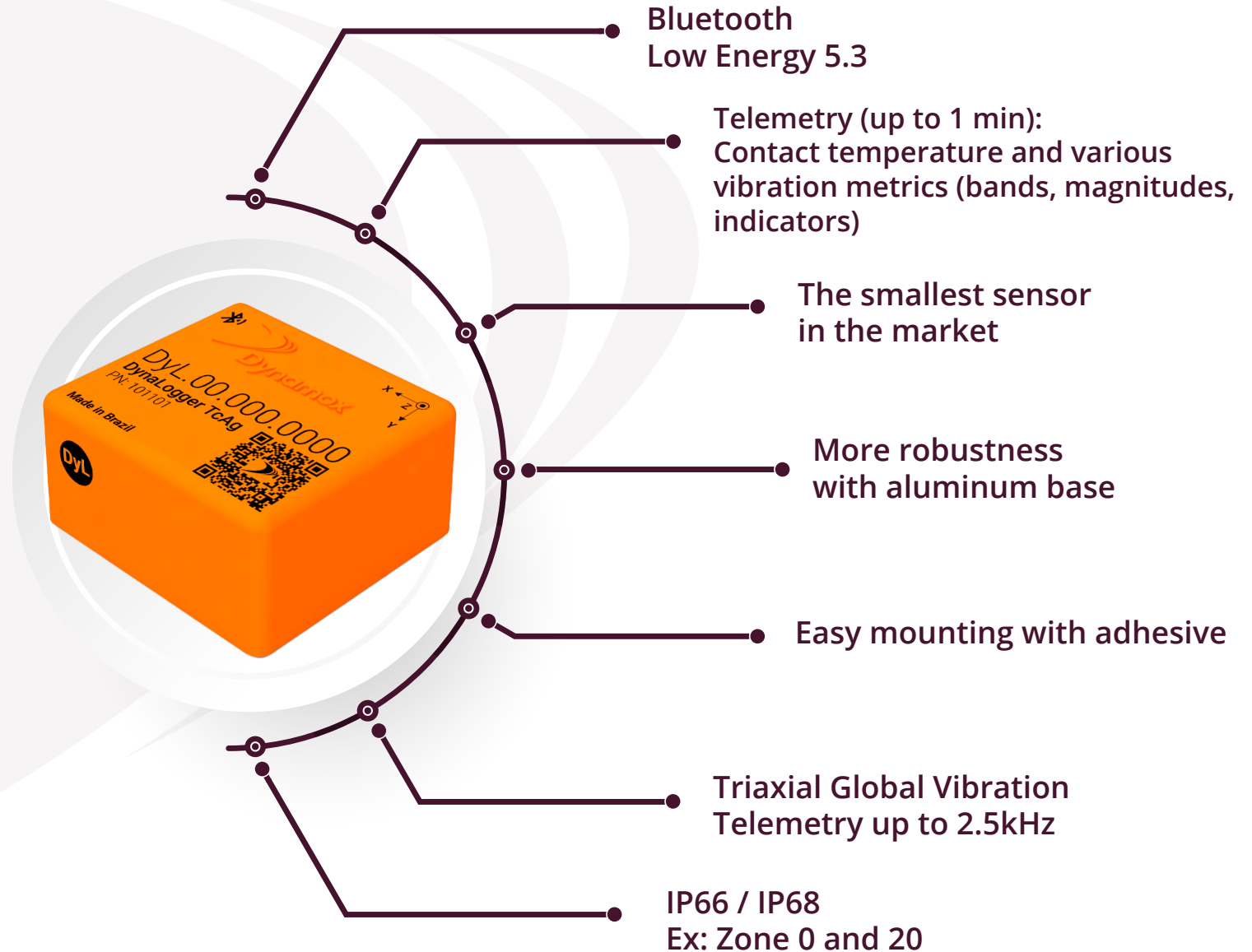
Wireless vibration and temperature sensors with BLE 5.3 communication with metallic base. Spectral analysis and telemetry up to 2.5kHz. Anti explosive zone 0 and zone 20. IP66 and IP68. Mounting using glue. Continuous minute by minute monitoring.



- Bluetooth Low Energy 5.3
- Telemetry (up to 1 min): Contact temperature and various vibration metrics (bands, magnitudes, indicators)
- More robustness with aluminum base
- Triaxial spectral analysis in acceleration, velocity and displacement (up to: 2.5 kHz)
- Continuous Measurement by band (high and low frequency)
- Up to 98,000 spectral lines
- IP66 / IP68
Ex: Zone 0 and 20

DynaLogger TcAg

Wireless vibration and temperature sensor with BLE 5.3 communication with metallic base. Simple, robust and performant. Anti explosive zone 0 and zone 20. IP66 and IP68. Mounting using glue. Continuous minute to minute monitoring.



DynaGateway

Gateway that enables automated communication with the DynaLoggers, sending the collected data directly to the Web Platform.



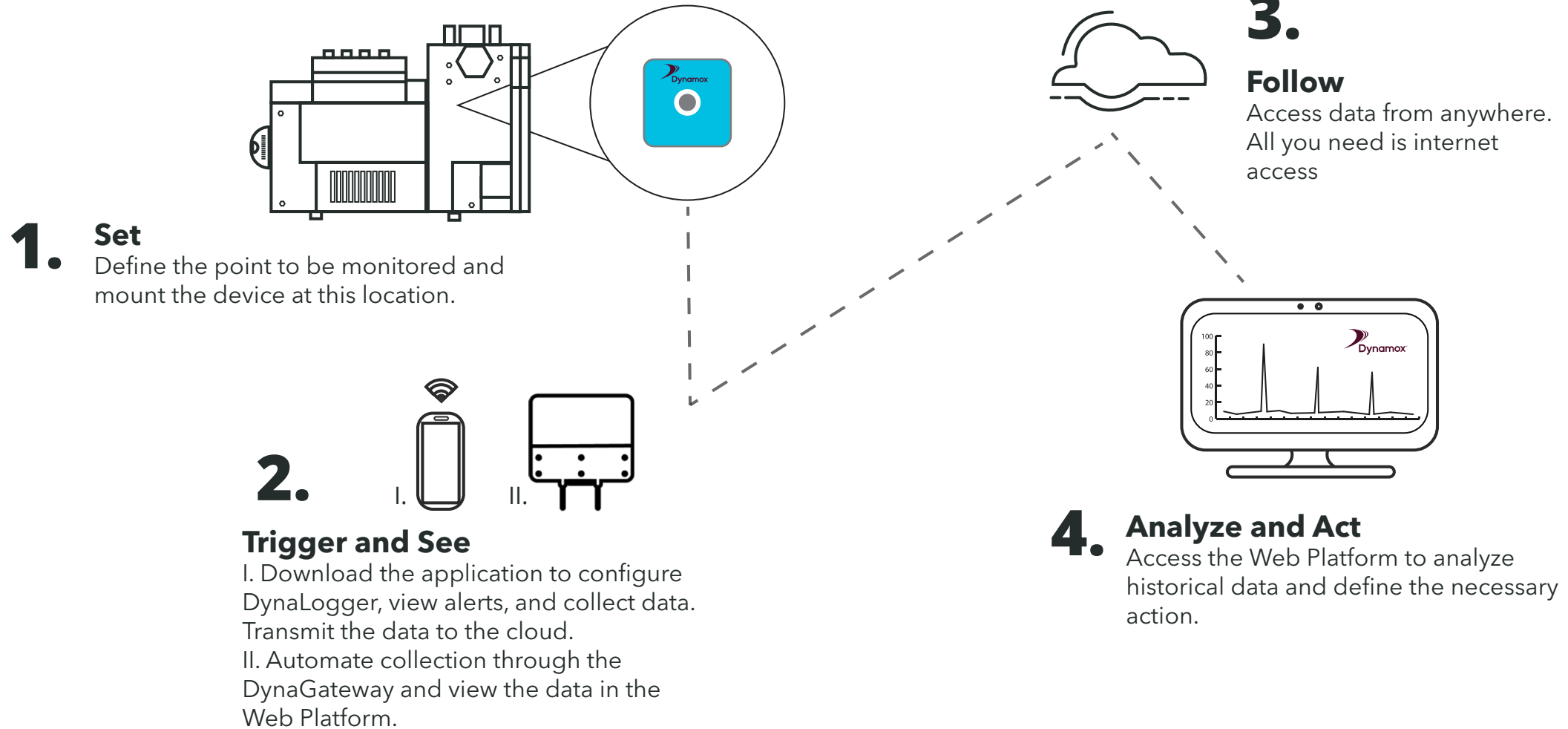
Ethernet and Wi-Fi connection and Mobile Networks (2G/4G)

Bi Volt:110V/220V
12/24V version available

Collects data from multiple DynaLoggers within Bluetooth range

Range 80m (open field)

OPERATION



BENEFITS



Increased reliability and availability of monitored assets.



Potential reduction in corrective and preventive maintenance costs.



Efficient replacement of spare parts, extending service life.



Safe access to machinery, aligned with NR12.



Reduction of unplanned maintenance actions.



Centralized data for analysis and remote diagnosis.



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