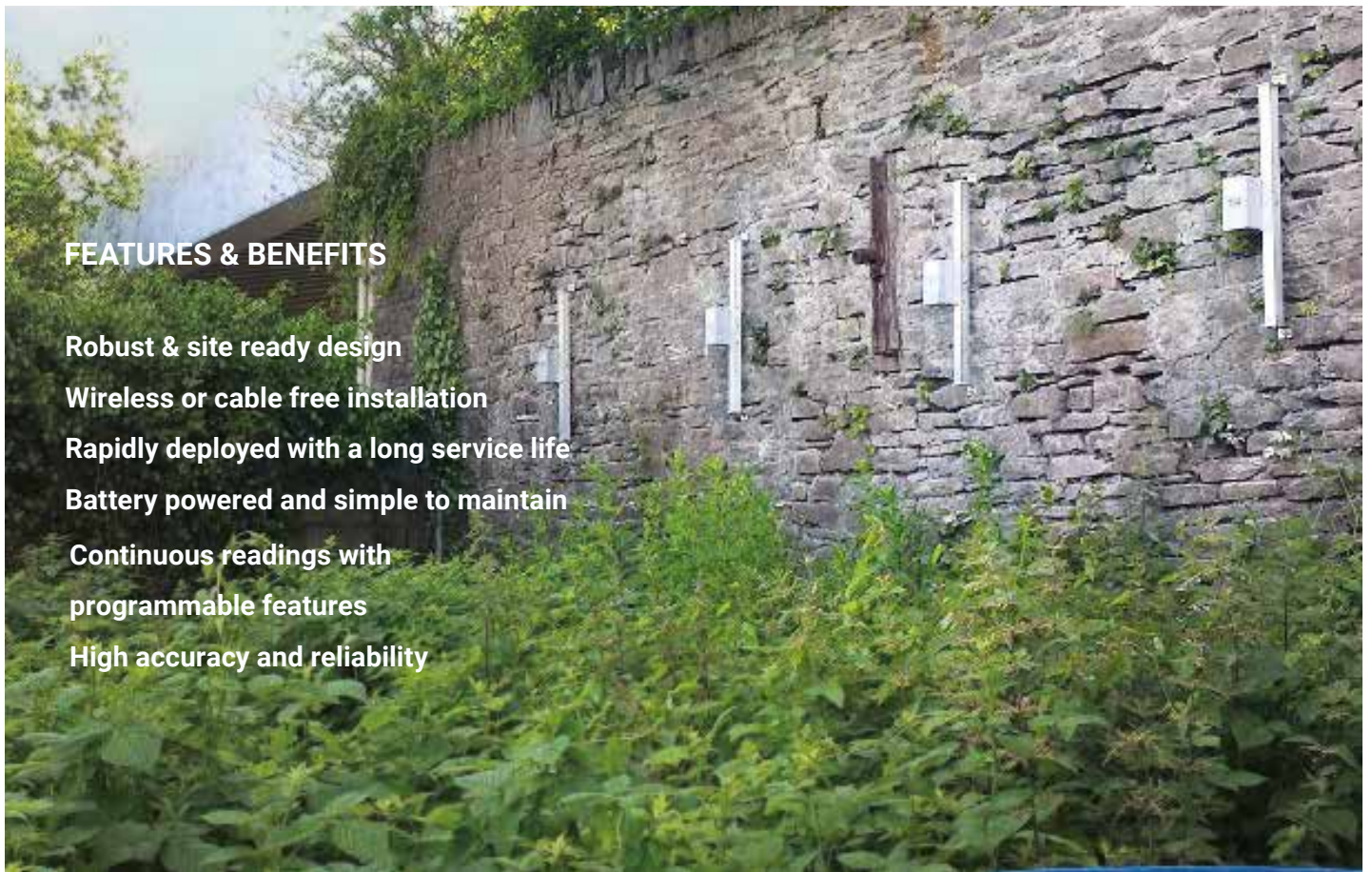


Structural Movement Monitoring TiltMate

FEATURES & BENEFITS

- Robust & site ready design
- Wireless or cable free installation
- Rapidly deployed with a long service life
- Battery powered and simple to maintain
- Continuous readings with programmable features
- High accuracy and reliability



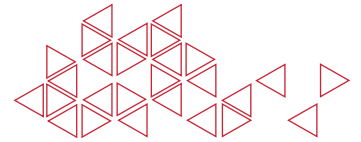
The TiltMate is an innovative, wireless or direct bus connected, structural movement monitoring sensor used throughout the Transport and Construction sectors.

It incorporates a specially designed mounting beam and anchor system which is deployed quickly and effectively into any surface, to provide solid and permanent contact. Our distinctive and innovative design is suited perfectly to the environment and built to last in service for many years.

TiltMates are fully 'plug-and-play' with data transmitted to the LoggerMate and then directly to DYWIDAG's web-database, Infrastructure Intelligence or any other data repository.

TiltMate

TECHNICAL SPECIFICATION



Sample rate	(Max and Min) 1 minute to 18 hours
Inputs	Solid State MEMS tilt sensor
Direct bus connected modules (31 module capacity)	8 channel vibrating wire interface module 24 channel MEMS IPI interface module Multi I/O
Wireless transceiver (31 module capacity)	1 channel VW module 8 channel VW module 1 channel MEMS module 24 channel MEMS module 1 channel bridge sensor Input range +22mV/V to -22mV/V module Transmitter frequency 2.4Ghz Transmitter range 300m
Memory	Continuous stream of data to LoggerMate
Range	+/- 10 Degrees
Resolution	0.001 Degrees
Accuracy	+/- 0.06 Degrees
Operating temperature	-25°C to 85°C
Power Requirements	10 to 30V dc (C Cell and Lead Acid Sealed options)
Battery Life	3 years at 15 minute intervals
Weight	2.5kg (Beam) (Variable) 2.2kg (Sensor and Enclosure)
Dimensions	50mm x 50mm x 1000mm (Beam) 150mm x 100mm x 250mm (Sensor and Enclosure)
Material	Aluminium (Beam) Acetyl & Plastic (Sensor and Enclosure)



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