

Voliro T

Aerial Pulsed Eddy Current



PEC Advantages

- Detects corrosion under insulation
- Inspects assets while in operation
- Measures wall volume loss with relative volumetric data
- Penetrates insulation, coatings, and corrosion layers
- Non-intrusive screening tool
- Access difficult to reach areas at height
- Enriched data, streamlined for reporting
- Optimizes maintenance planning

120

measurements per hour at peak performance, saving days and without the costly removal of insulation

10x

faster than traditional methods
(inspection time cut by 90%)

PEC Capabilities

Measurements

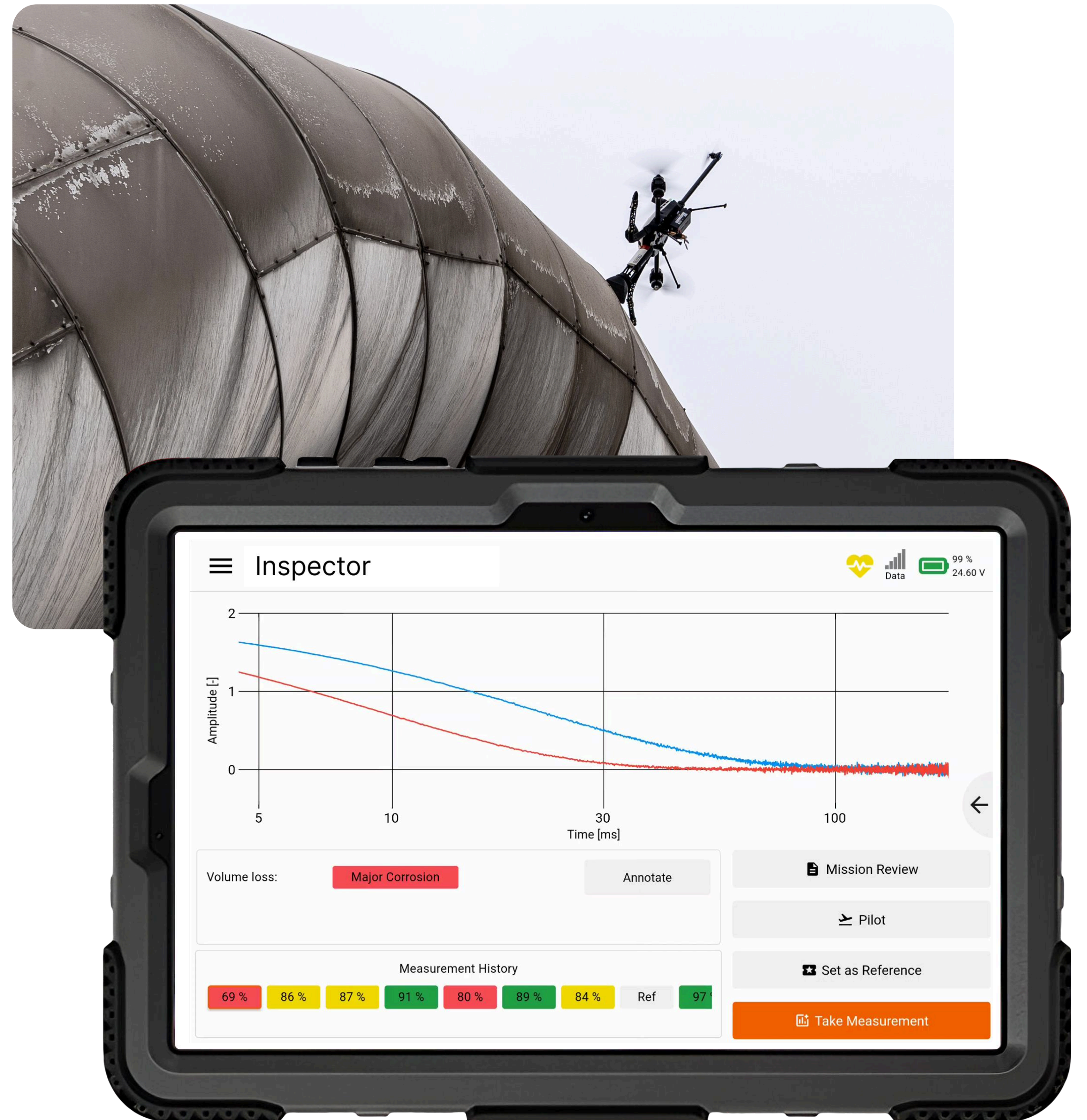
- Detects wall loss in ferromagnetic structures
- Provides volumetric thickness data
- Results are relative to a reference measurement

Detectable defect types

- Corrosion Under Insulation (CUI)
- Corrosion Under Fireproofing (CUF)
- Wall loss below scabs and blisters
- Flow-Accelerated Corrosion (FAC)

Inspection asset examples

- Insulated pipes
- Insulated tanks and vessels
- Insulated flare stacks
- Other insulated processing equipment



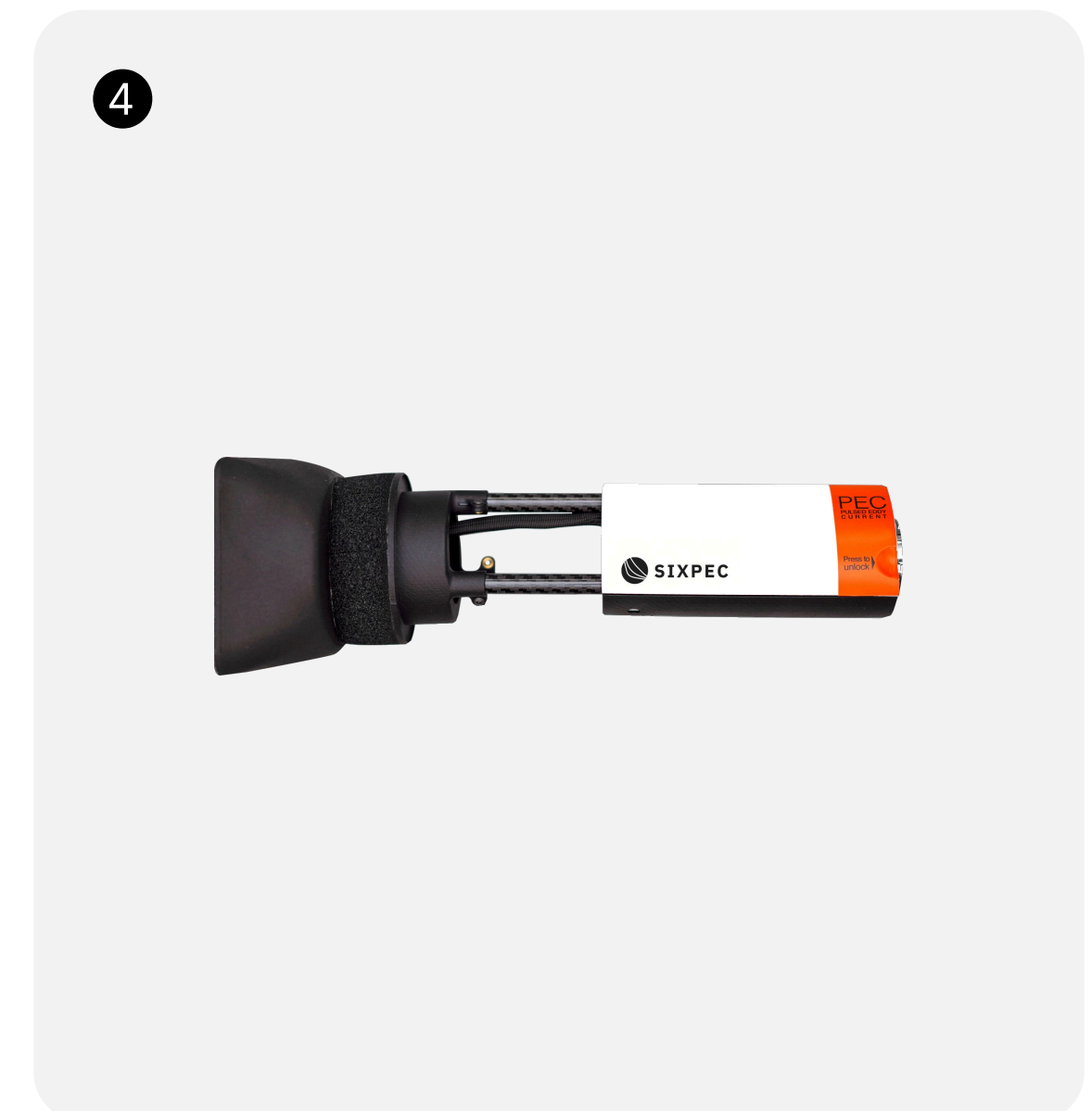
Voliro PEC Tools

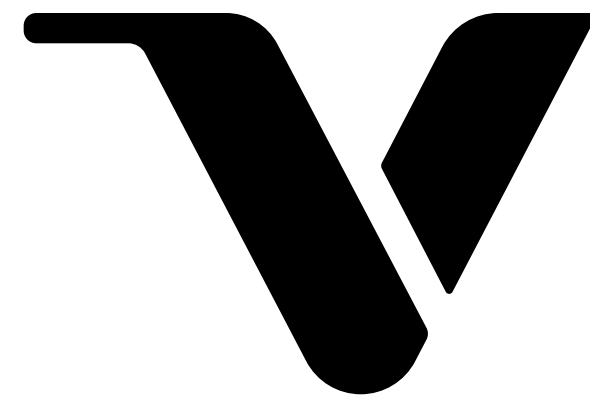
- ① Voliro
- ② Remote controller
- ③ Inspector tablet
- ④ PEC payload

Manufacturer	Sixpec
Method	Pulse Eddy Current
Measurement capabilities	Ferromagnetic steel through non-ferrous materials
Measurement mode	Relative volumetric measurement
Wall thickness	3 – 20 mm / 0.12 – 0.79 in
Liftoff	0 – 100 mm / 0 – 3.94 in
Aluminium jacket	Up to 1 mm / 0.04 in
Footprint diameter	~50 mm + 0.7 x Liftoff ~1.97 in + 0.7 x Liftoff
Smallest detectable defect volume	~15% of footprint volume

PEC is a screening tool. It provides average wall thickness readings and does not detect the absolute lowest thickness.

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Book your PEC demo at:
sales@voliro.com