

Pundit® Live Array Pro

Setting Ultrasonic Tomography Free

Pundit® Pulse Echo: The Rise of Ultrasonic Tomography

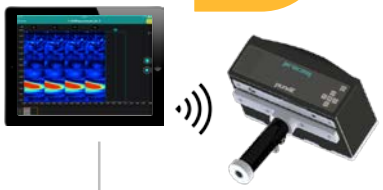


2013



2016

New



2017

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Pulse Echo Inspection Objectives

As-built verification



Contractors and engineering offices

Integrity assessment



Contractors and engineering offices

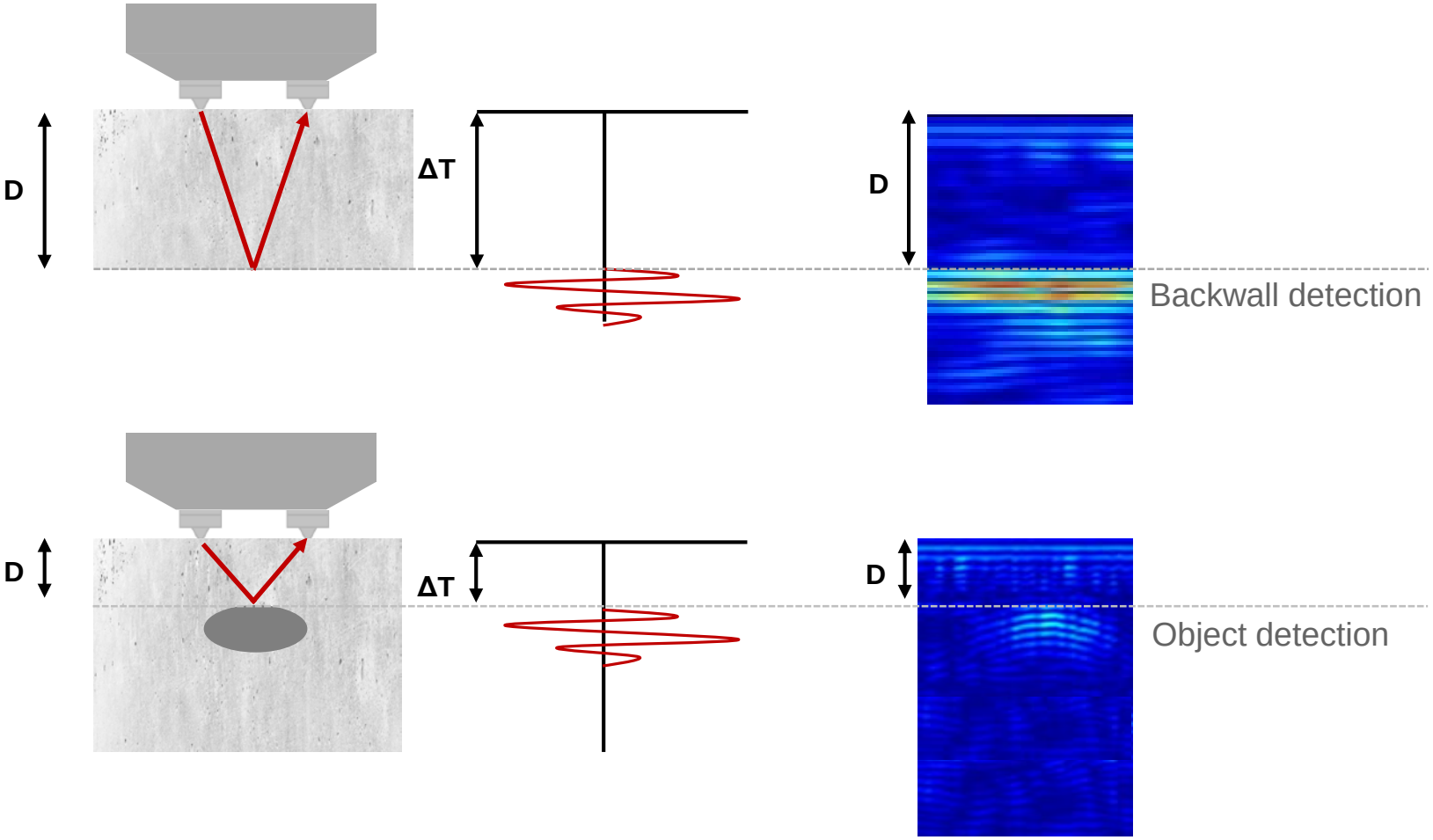
Subsurface object inspection



Contractors and engineering office

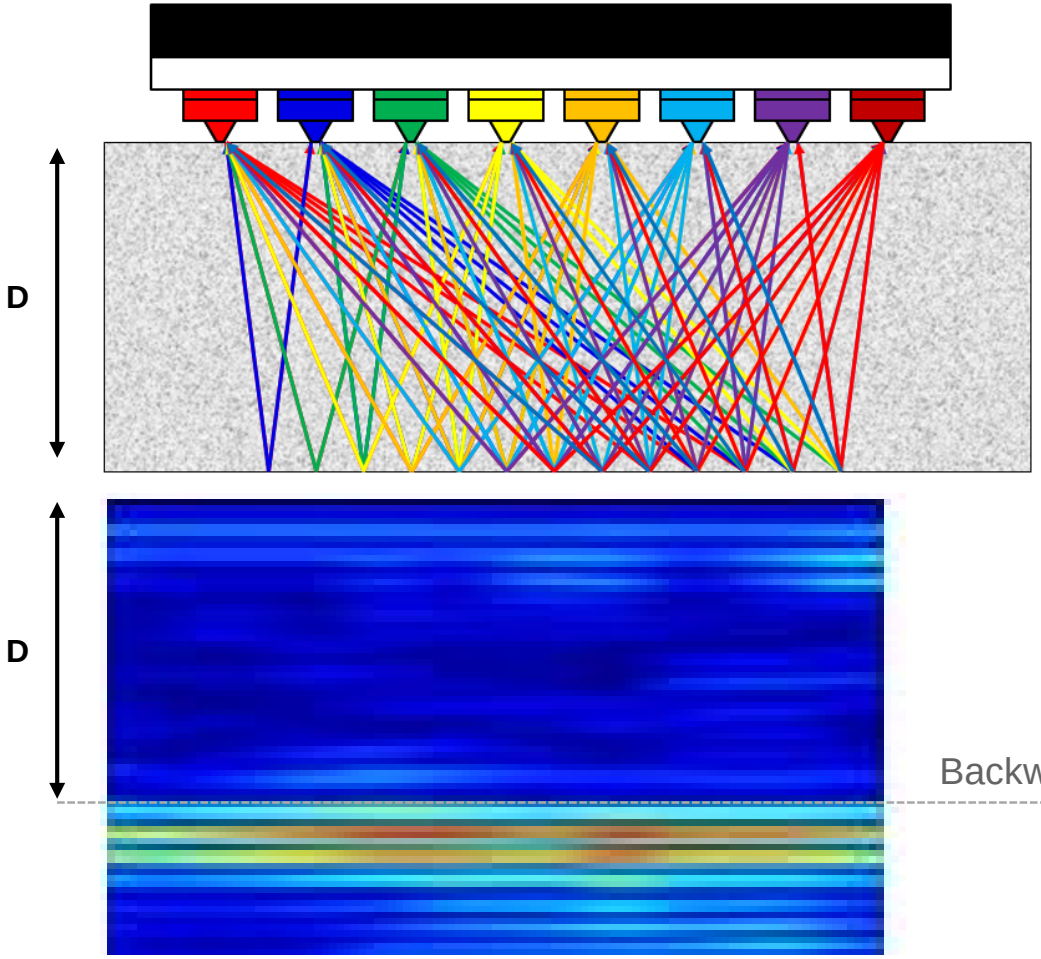
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Ultrasonic Pulse Echo Technology



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Proceq Ultrasonic Array Technology



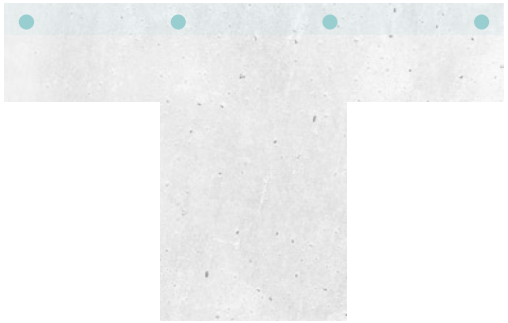
56 echoes in a matter of milliseconds

Backwall displayed in real time

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Technology and Applications

Eddy Current



- **rebars**
  - cover
  - diameter

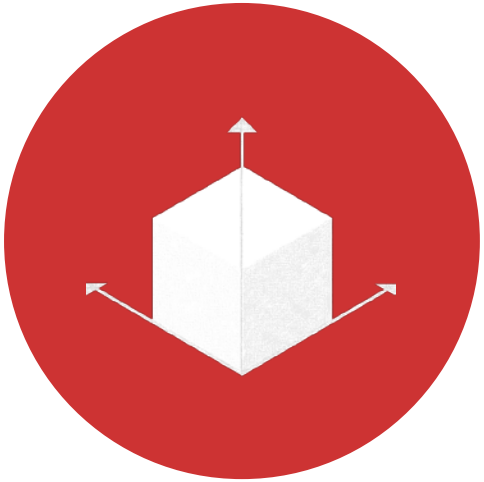
Ultrasonic



- rebars (limited)
- **objects**
- **back wall**
- **defects**

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Industry Pain Points



Limited on-site imaging



Interpretation of results



Time consuming

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Pundit® Ultrasonic Tomography Portfolio

New

Pundit® 200 Pulse Echo	Pundit® 250 Array	Pundit® Live Array Pro
		
Single channel	Multichannel	

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Pundit® Live Array Pro

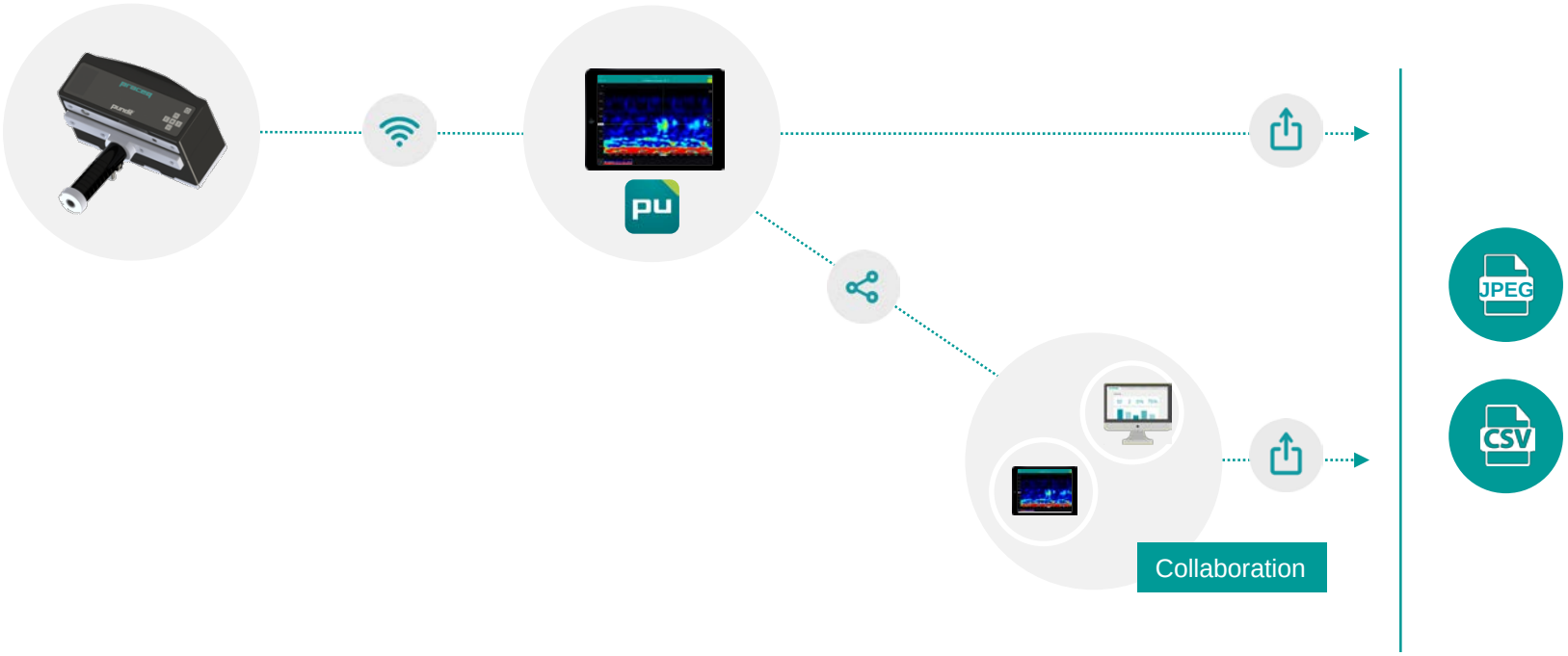
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Introducing Pundit® Live Array Pro



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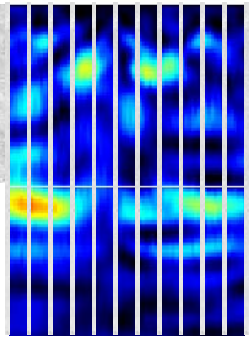
Pundit® Live Array Pro Solution



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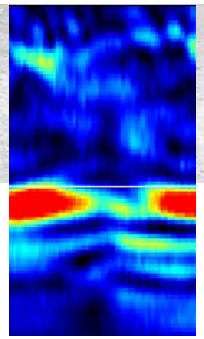
Spotlight: Current Limited Scanning Solutions

Single channel



Time consuming single scans

Fixed array

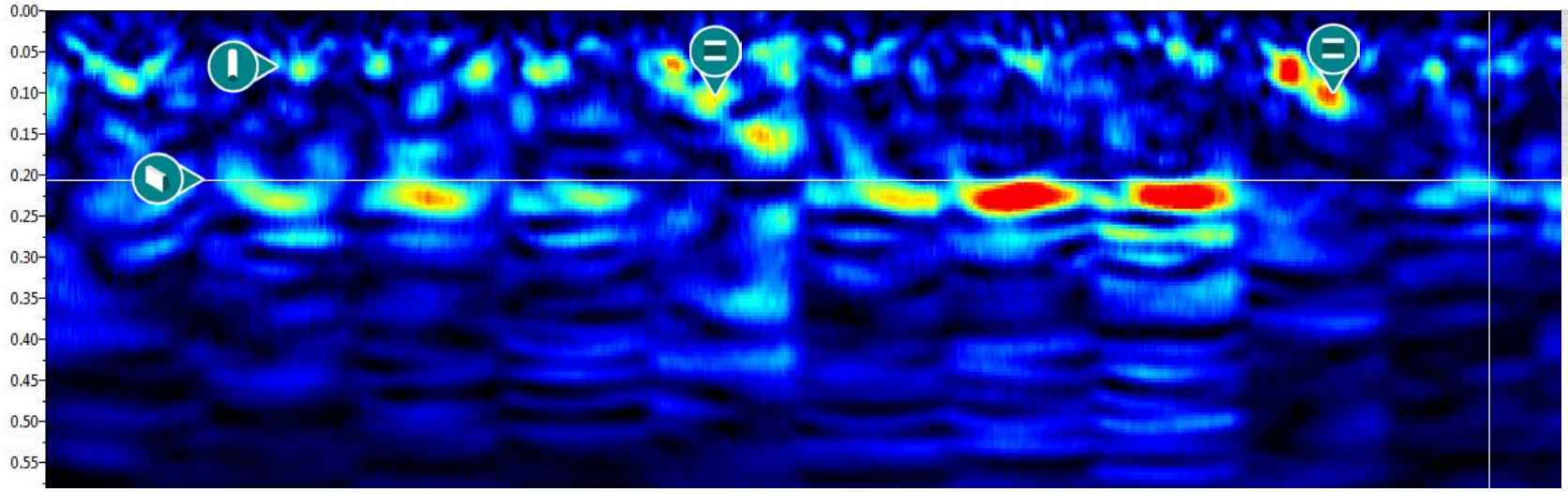


No Stitching

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Spotlight: The Full Picture with Pundit Live Array Pro

6 meters in less than 1 minute with seamless stitching



First layer rebar Defect Back wall

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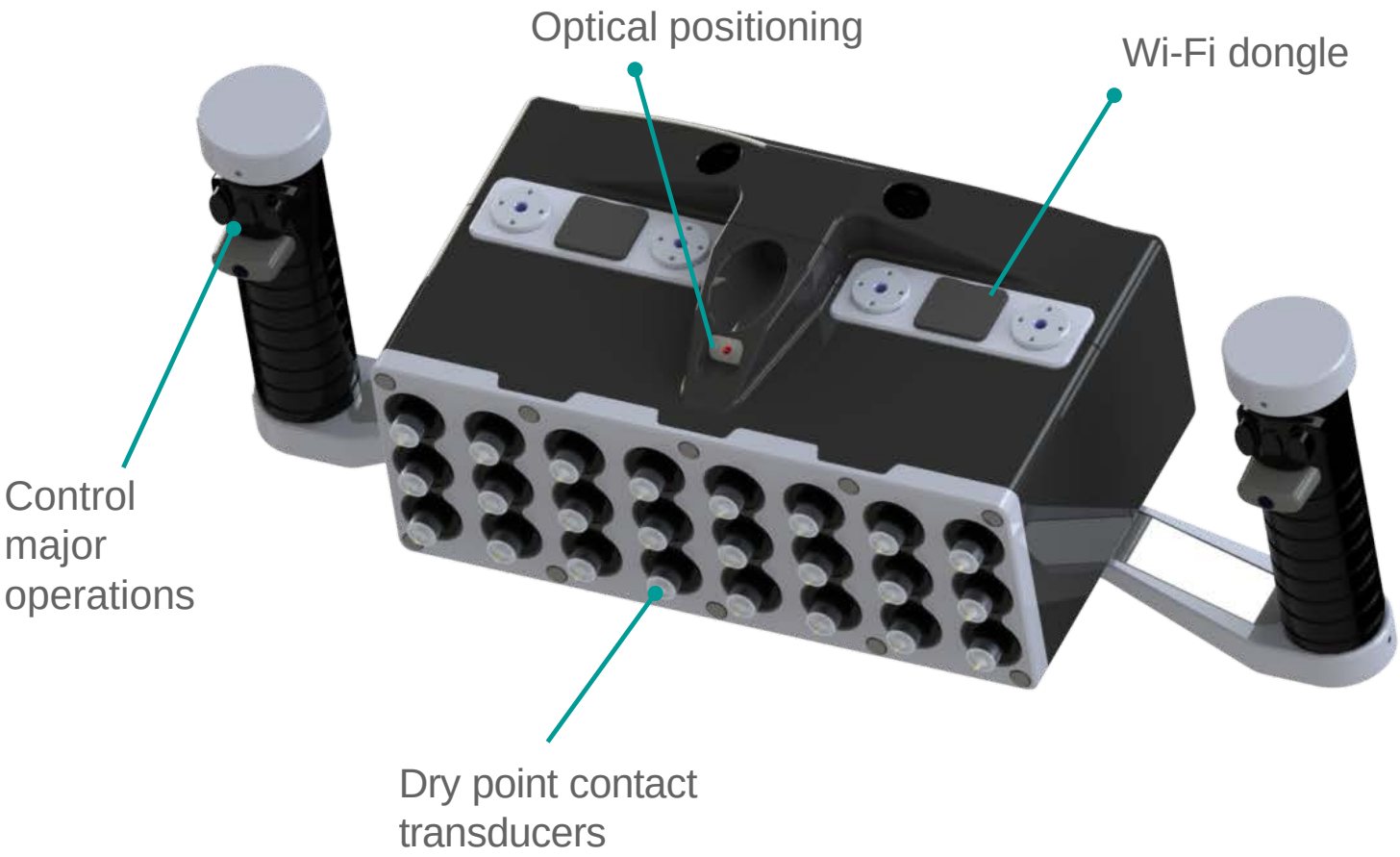
Wireless Transducer



- Compact
- Fast
- Intuitive

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Compact



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Scalable



- Patented
- Increased productivity
- High depth scanning

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Versatile and Powerful



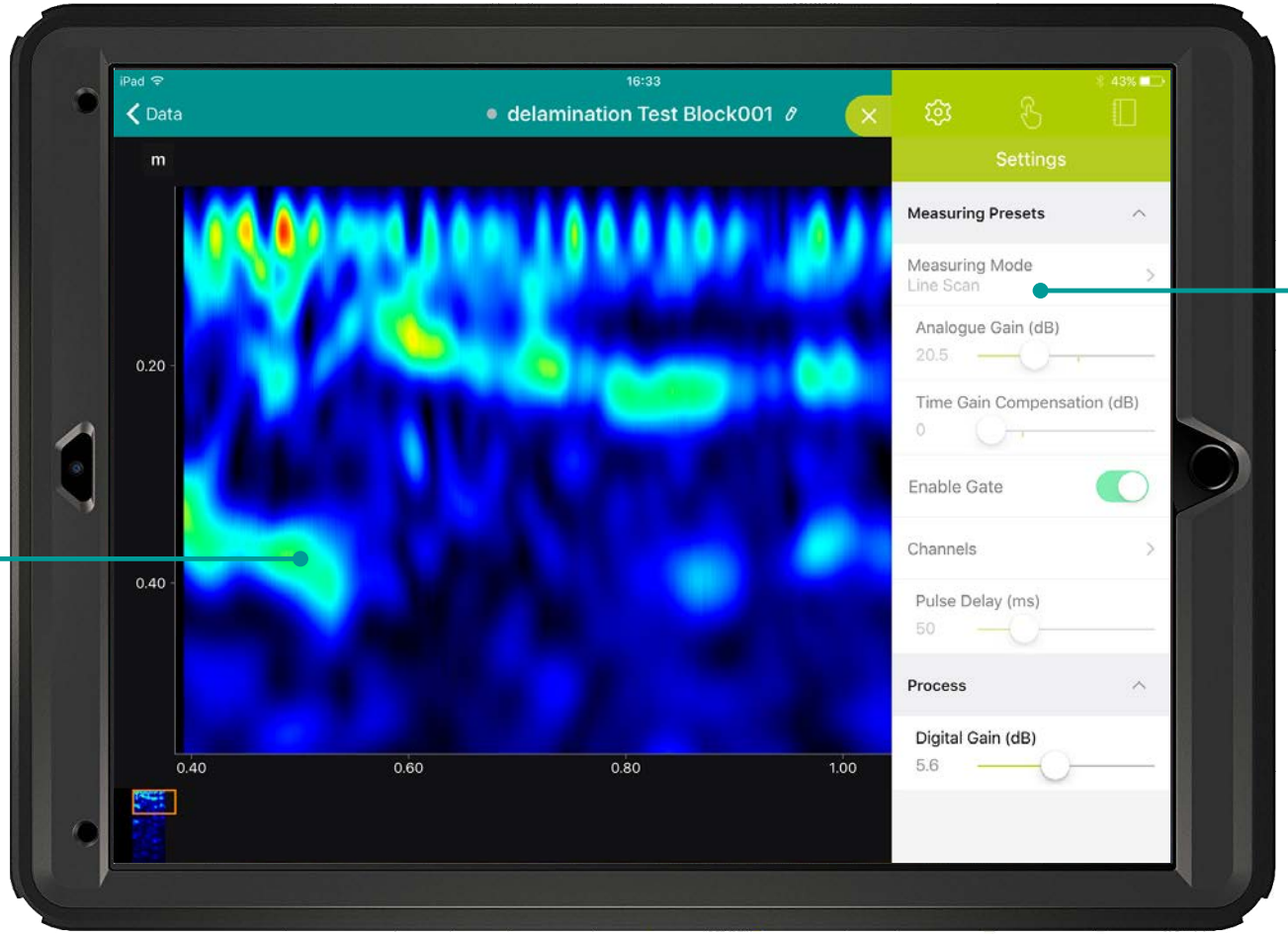


Available on the App Store

7.9 to 12.9”	up to 512 GB	304 to 692 g
screen size	storage space	iPad weight

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Line Scan

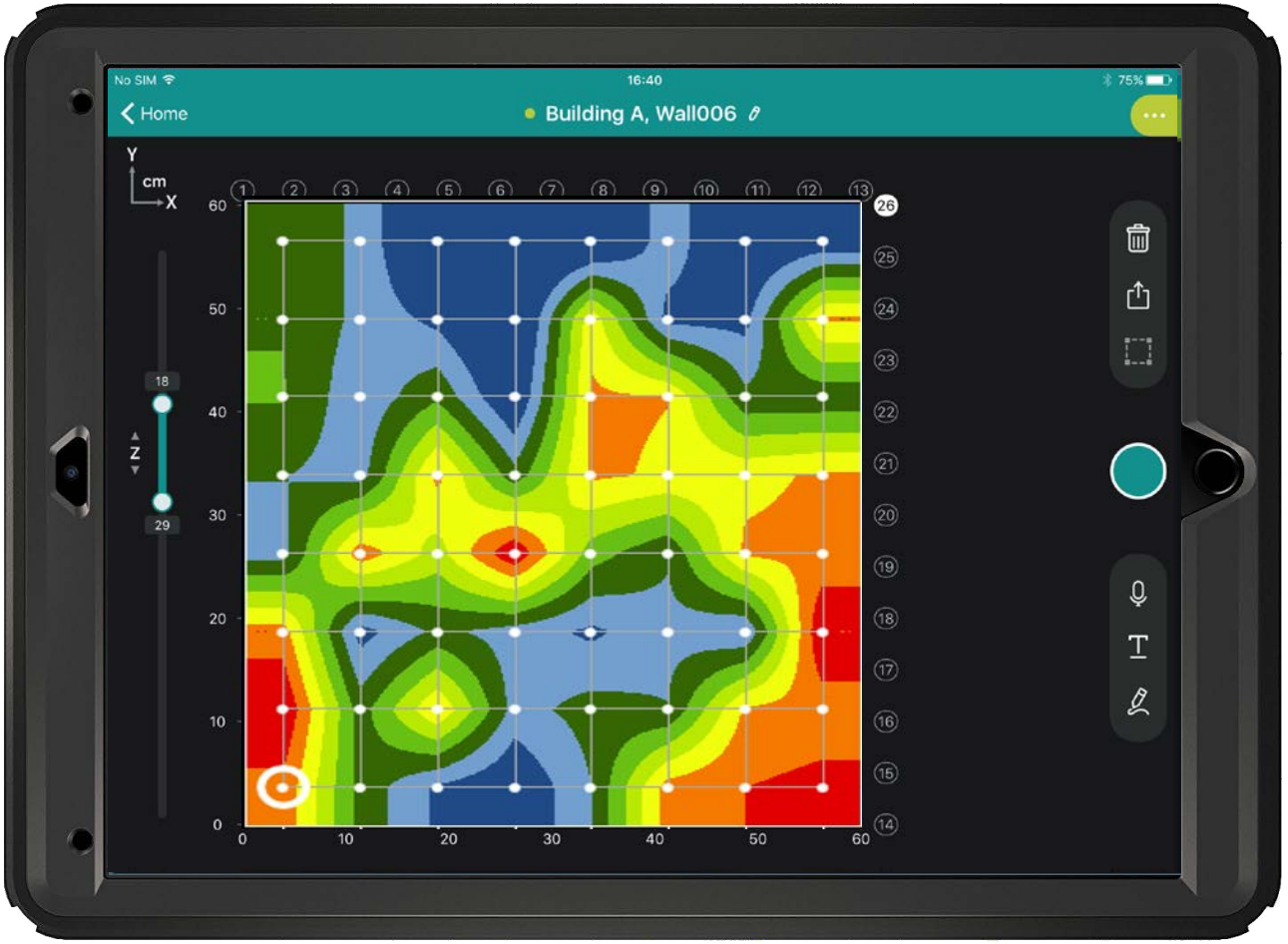


Large scan image

Settings menu

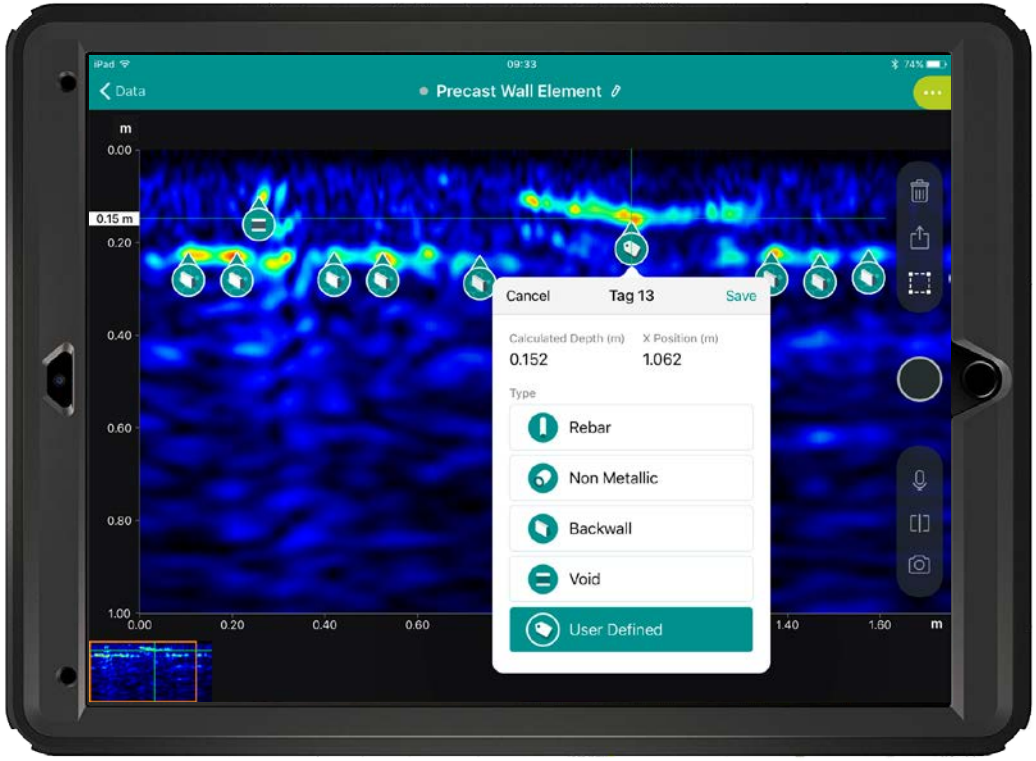
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Depthslice / Timeslice



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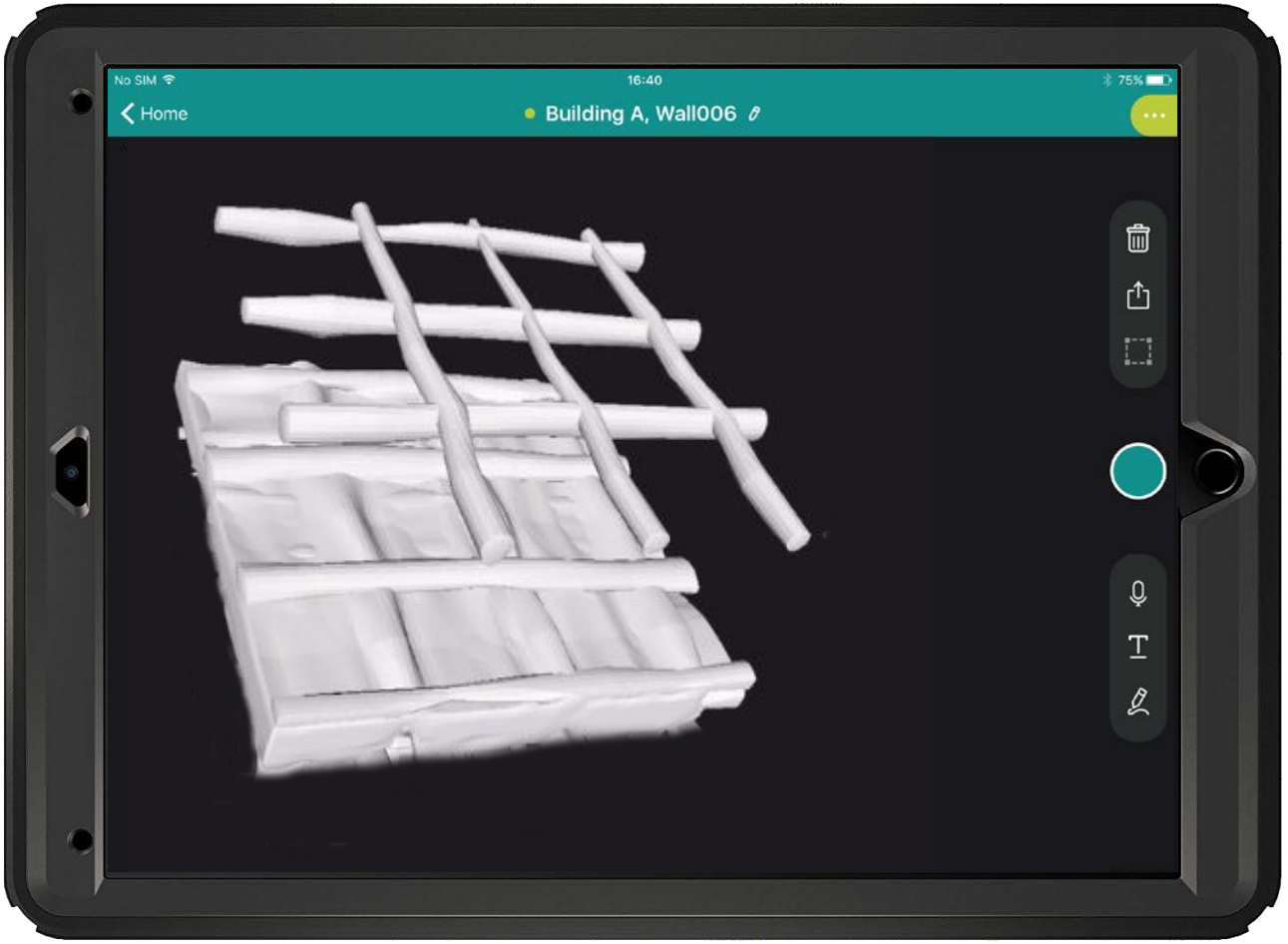
A.I. User Support



- Intelligent backwall detection
- Automated pulse velocity determination
- Smart positioning

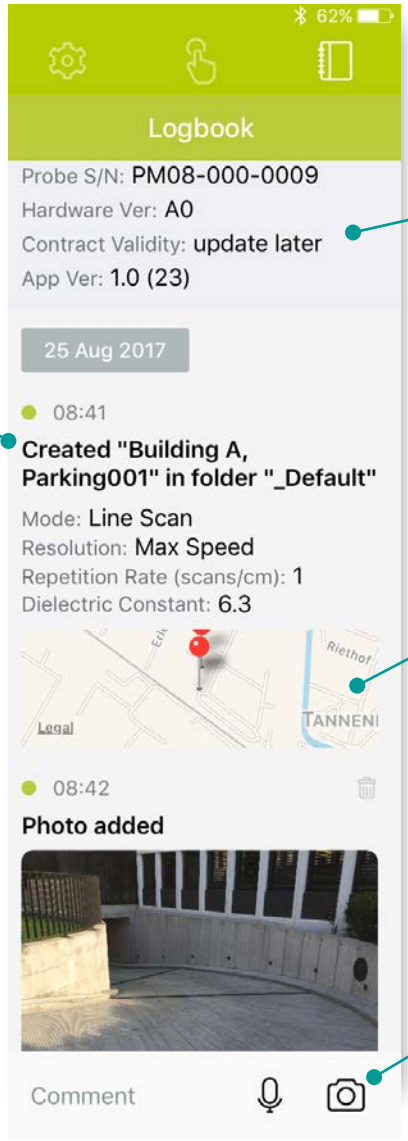
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3D Visualization



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Full Traceability through Logbook



Probe and user identification

All measurements and changes tracked

Geolocation

Add comments, audio notes and pictures

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Spotlight: Positioning Issues



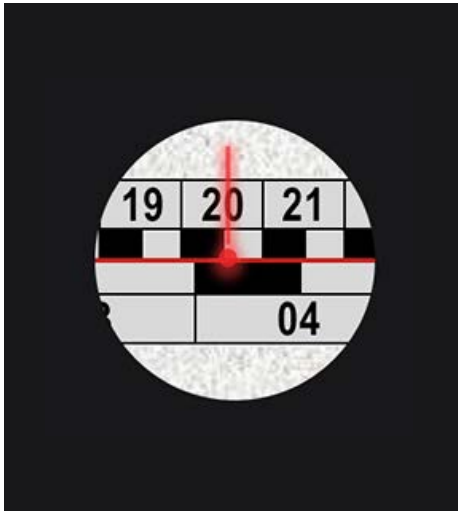


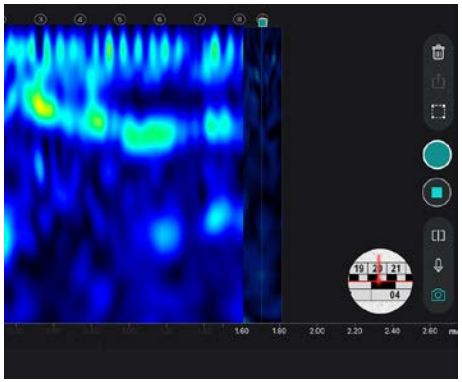


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Spotlight: A.I. Positioning







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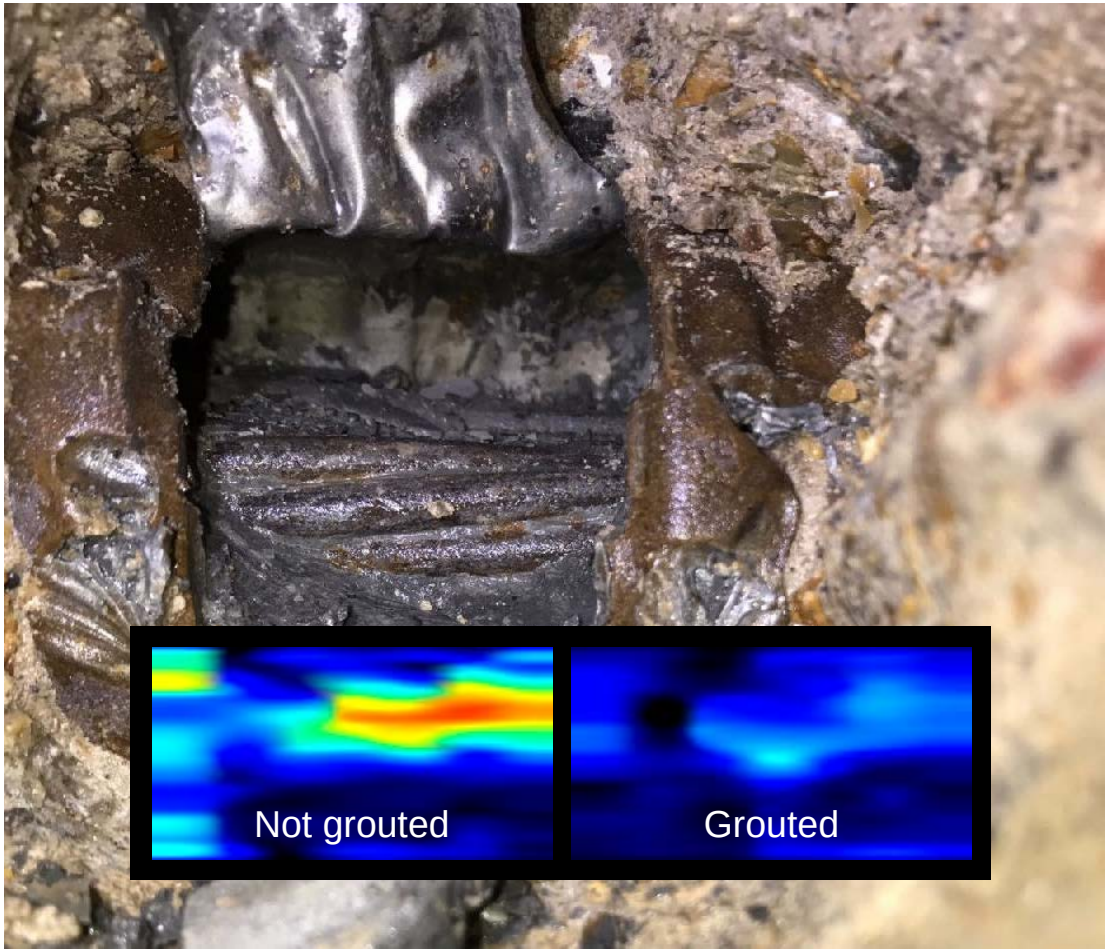
Spotlight: Precast Construction - Delaminations



- ✓ Location
- ✓ Extent
- ✓ Depth

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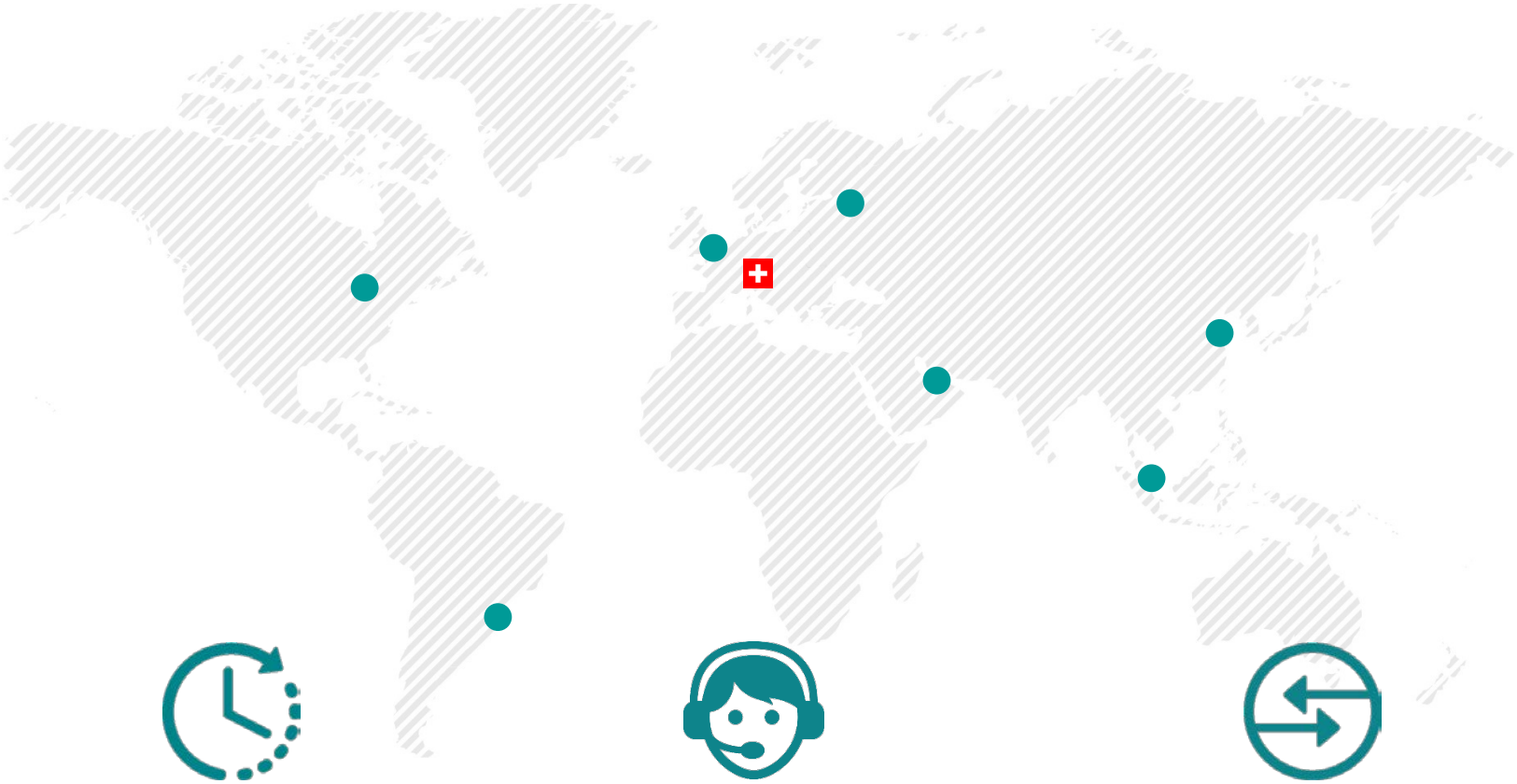
Spotlight: Tendon Duct Grouting Defects



- ✓ Location
- ✓ Identification
- ✓ Grouted / not grouted

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Global Proceq Service Network



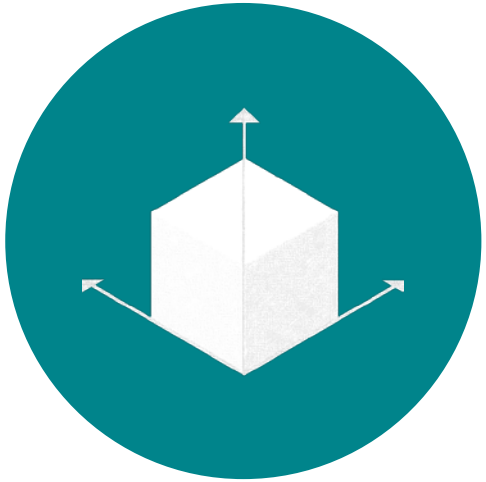
Fast

Local

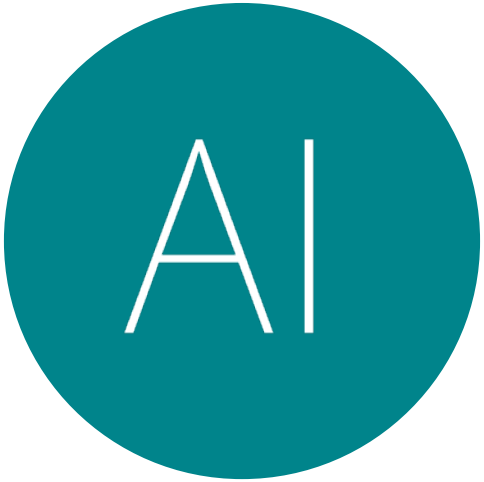
Efficient

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Summary



Real-time tomography



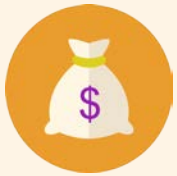
User support and positioning



Increased productivity

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Price Comparison

Current solutions		Pundit® Live Array Pro
		
CHF 9,800	CHF 50,000	CHF 400/month
Single channel	Multichannel	Multichannel

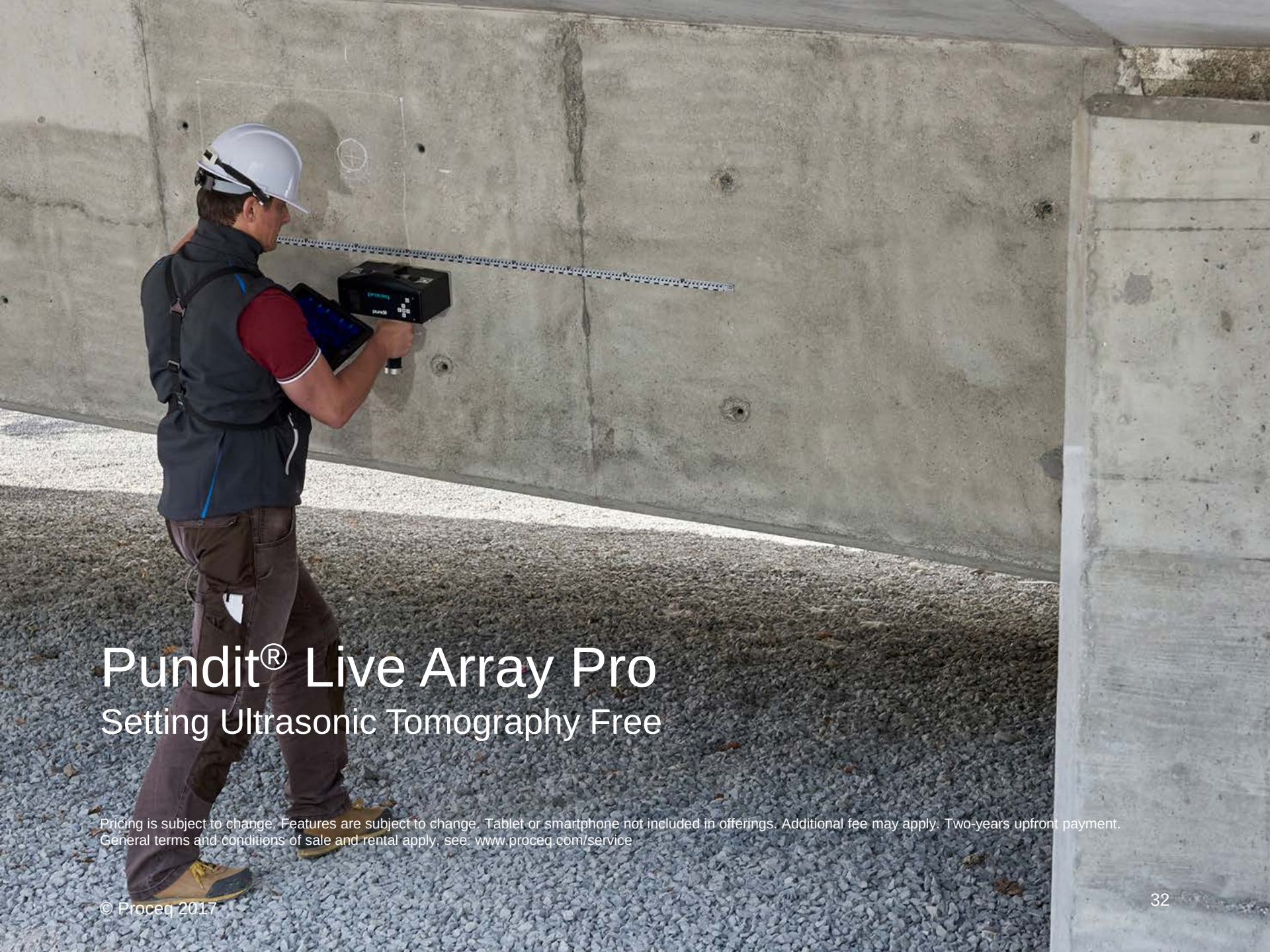
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Value Pricing

New

	Pundit® 250 Array	Pundit® Live Array Pro
Ultrasonic array imaging		
Wireless & A.I.		
3D imaging		

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Pundit® Live Array Pro

Setting Ultrasonic Tomography Free

Pricing is subject to change. Features are subject to change. Tablet or smartphone not included in offerings. Additional fee may apply. Two-years upfront payment. General terms and conditions of sale and rental apply, see: www.proceq.com/service

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