Proceq® UT8000
Product and Application Training
Presenters

Chris Udell
Product Manager
chris.udell@proceq.com

MBA International Management – Royal Holloway University of London
Master degree in Physics – Manchester University
20 years experience in NDT – Power, Nuclear

Isaac Heng
Chief Business Development Officer
isaac.heng@proceq.com

B.Sc. Hons International Business and Management – Royal Holloway University of London
Diploma in Mechatronics – Ngee Ann Polytechnic
23 years experience in NDT – Military, Aerospace, Oil & Gas
<table>
<thead>
<tr>
<th></th>
<th>Ultrasonic inspections</th>
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<tbody>
<tr>
<td>2</td>
<td>Traditional equipment and workflows</td>
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<tr>
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<td>4</td>
<td>Proceq® UT8000: Powerful hardware</td>
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<td>6</td>
<td>Eagle Trace: Evaluate, report and verify</td>
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<td>Offering</td>
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Ultrasonic inspections are used throughout the lifetime of an asset

Manufacturing control
Production plants for semi-finished goods

Part integrity
Fabricators

On-site inspection
Service providers
The market today

- $60M: Market size for digital flaw detectors
- 5,000: Units sold per year
- 40,000: Qualified ultrasonic operators worldwide
100,000
Ultrasound inspections per day
>10%

Of inspections are executed improperly
3’500’000 km
pipelines worldwide

http://worldmap.harvard.edu/maps/connectography
Over 200,000* flights per day

Source: flightradar24
30’000 power stations in 164 countries

Source: wri.org/publication/global-power-plant-database
Contractor sent 76 uninspected rocket parts to SpaceX
KOBE STEEL: "MAY FIND MORE FAKE DATA"
Potential market

$200M
Market size for digital flaw detectors

10’000
Units sold per year

50’000
Qualified ultrasonic operators worldwide
1 Ultrasonic inspections

2 Traditional equipment and workflows

3 Ultrasonic testing and standards

4 Proceq® UT8000: Powerful hardware

5 Proceq® Flaw Detector Live: Intelligent software

6 Trace: Evaluate, report and verify

7 Offering
Ultrasonic flaw detector
Current systems are not fit for purpose
Clunky and dangerous
Clunky  |  Complicated  |  Compromised
<p>| | |</p>
<table>
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<tbody>
<tr>
<td>1</td>
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Operating principle of ultrasonic testing
All operating modes

- Pulse Echo
- Dual
- Thru’
1 Ultrasonic inspections

2 Traditional equipment and workflows

3 Ultrasonic testing and standards

4 Proceq® UT8000: Powerful hardware

5 Proceq® Flaw Detector Live: Intelligent software

6 Trace: Evaluate, report and verify

7 Offering
Proceq® UT8000
Proceq® UT8000: ruggedness

- Aerospace grade alloy housing
- Compact and lightweight, low impact energy
- IP67-rated housing
- Twist connection, no moving pieces
- Rubber port protectors
Superior robustness: drop-proof
Superior robustness: IP67
Ultralight, ultraportable
Proceq® UT8000: versatility
Proceq UT8000: never run out of juice

Flight-safe, AA battery pack

USB-C to power bank
Proceq UT8000: connectivity

- Lemo 00 connectors
- Encoder port
- USB-C to iPad
- Wi-Fi to iPad
Modular

7.9 to 12.9”
screen size

up to 1 TB
storage space

304 to 692 g
iPad weight
1 Ultrasonic inspections

2 Traditional equipment and workflows

3 Ultrasonic testing and standards

4 Proceq® UT8000: Powerful hardware

5 Proceq® Flaw Detector Live: Intelligent software

6 Trace: Evaluate, report and verify

7 Offering
Eagle ID: your personalised working space
Get started with interesting tutorial videos
Structured file manager
Inspect with a couple of taps
Live mode measurement
Live mode measurement
Avoid manual errors with QR codes on the probes
Customizable measurement toolbar
Customizable measurement toolbar
DAC: From >50 clicks to now 7
DAC comparison

Up to now

2019

Source: https://www.youtube.com/watch?v=I17t57eJrm0
Grid mode for full area mapping
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The power to rewind time
Indication table: easily manage your findings

<table>
<thead>
<tr>
<th>Gain (dB)</th>
<th>G1</th>
<th>G1</th>
<th>G2-G1</th>
<th>G1 → X</th>
</tr>
</thead>
<tbody>
<tr>
<td>32.7</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

[Image of a tablet displaying the indication table and a graph with two markers labeled 1 and 2.]
Logbook: easily enrich your data
## Web interface - manage and download your data

<table>
<thead>
<tr>
<th>Name</th>
<th>Scan Type</th>
<th>Created On</th>
<th>Modified On</th>
<th>View</th>
<th>Download</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proceq Flaw Detector Live grid 010</td>
<td>Corrosion Map</td>
<td>19 Aug 2019, 3:00 PM</td>
<td>19 Aug 2019, 3:01 PM</td>
<td>View</td>
<td>Download</td>
</tr>
</tbody>
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Instant collaboration at any time
1 Ultrasonic inspections
2 Traditional equipment and workflows
3 Ultrasonic testing and standards
4 Proceq® UT8000: Powerful hardware
5 Proceq® Flaw Detector Live: Intelligent software
6 Trace: Evaluate, report and verify
7 Offering
Example use cases

- Rope Access
- Confined Spaces
- Factory Bench Top
- In-service inspection
- Training schools
Pricing and availability

Proceq® UT8000

CHF 630 Hardware
+ CHF 1176 / year
Q4/2019
Proceq®
UT8000

Swiss quality
User-friendly
Fast payback
Global support
Future proof
Proceq worldwide support and expertise

Dr. Maria Felice  
Proceq Asia  
maria.felice@proceq.com

ZiAng Zheng  
Proceq China  
ziang.zheng@proceq.com

Malik Kayous  
Proceq Europe  
malik.kayous@proceq.com

Shirley Underwood  
Proceq United Kingdom  
shirley.underwood@proceq.com

Ahmad Abdul Qadeer  
Proceq Middle East & Africa  
name.name@proceq.com

Slava Levin  
Proceq Russia  
slava.levin@proceq.com

Rodrigo Duarte  
Proceq South America  
rodrigo.duarte@proceq.com

Tom Ott  
Proceq North America  
tom.ott@proceq.com

Chris Udell  
Proceq Product Expert  
chris.udell@proceq.com

Isaac Heng  
Proceq Product Expert  
Isaac.heng@proceq.com
Flaw Detection Made Simple