



Proceq[®] GS8000

Sales Presentation

9/23/20





Expensive analog hardware



CONFIDENTIAL, FOR INTERNAL USE ONLY



Software from the '90s

A wide-angle photograph of a construction site. In the foreground, a deep, rectangular trench has been dug into the earth. Inside the trench, a large bundle of black, flexible cables or conduits is laid out in a neat, parallel fashion. The cables are held together by black straps. The trench walls are made of compacted earth. In the background, three workers are visible. One worker in an orange shirt and light blue pants is on the left, another in a yellow vest and blue pants is in the center, and a third in a white shirt and dark pants is on the right. They appear to be working on the trench. The ground around the trench is uneven and covered with dirt. In the far background, there are some construction materials and equipment, including what looks like a red excavator and some white containers.

Low data resolution
where it really matters



Loss of data after digging



Asset inspection

- Large area concrete scanning
- Bridges, roads, horizontal structures

Underground surveys

- Near-Surface geophysics
- Archeological surveys
- Forensic investigations

Utilities

- Utility Locating
- Utility Mapping
- Subsurface Utility Engineering (SUE)



Product Overview

Proceq GS8000

Stepped-Frequency
Continuous Wave
Subsurface GPR

*Mapping the
Underground World*





Mapping the underground
Enabling digital transformation



Product Overview

Proceq GS8000



improved

Data Quality

2x

Subsurface scans in the highest resolution, smaller and closely-spaced objects successfully detected

Peace of mind and reputation



increased

Productivity

3x

Optimized data acquisition and interpretation reduces office processing all the way to deliverables

Save time and money



mapping

Accuracy

cm

Cloud-deployed mapping deliverables to comply with the most demanding standards and guidelines

Added value and reduce errors



Product Overview

Proceq GS8000



GNSS Receiver

GS App

Push & pull
universal cart

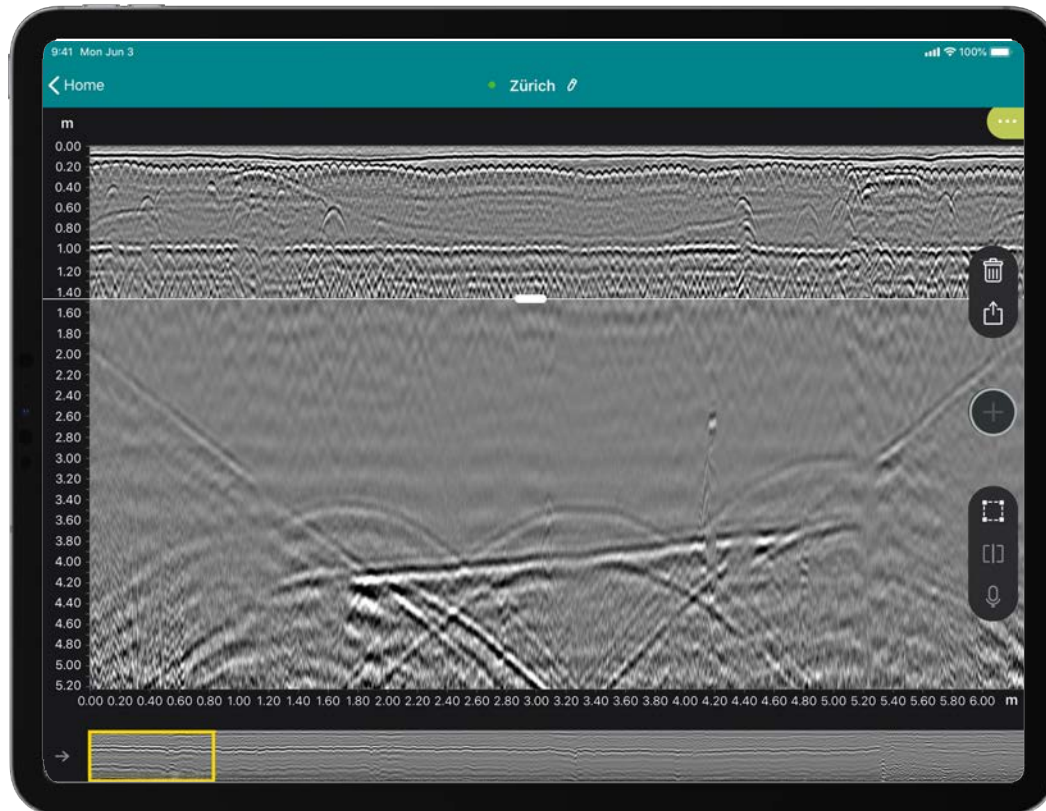
SFCW GPR



Unique Selling Proposition

Stepped-Frequency Continuous Wave GPR

All frequencies in one device



■ SFCW 40 – 3440 MHz

Ultra high-resolution data

- ✓ Optimized for small targets
- ✓ Optimized for closely spaced targets
- ✓ Optimized for deep targets



Unique Selling Proposition

MA8000 GNSS Receiver

Integrated Precision Mapping



- Built-in GNSS receiver
- cm-level precision software

The perfect combo for geolocation

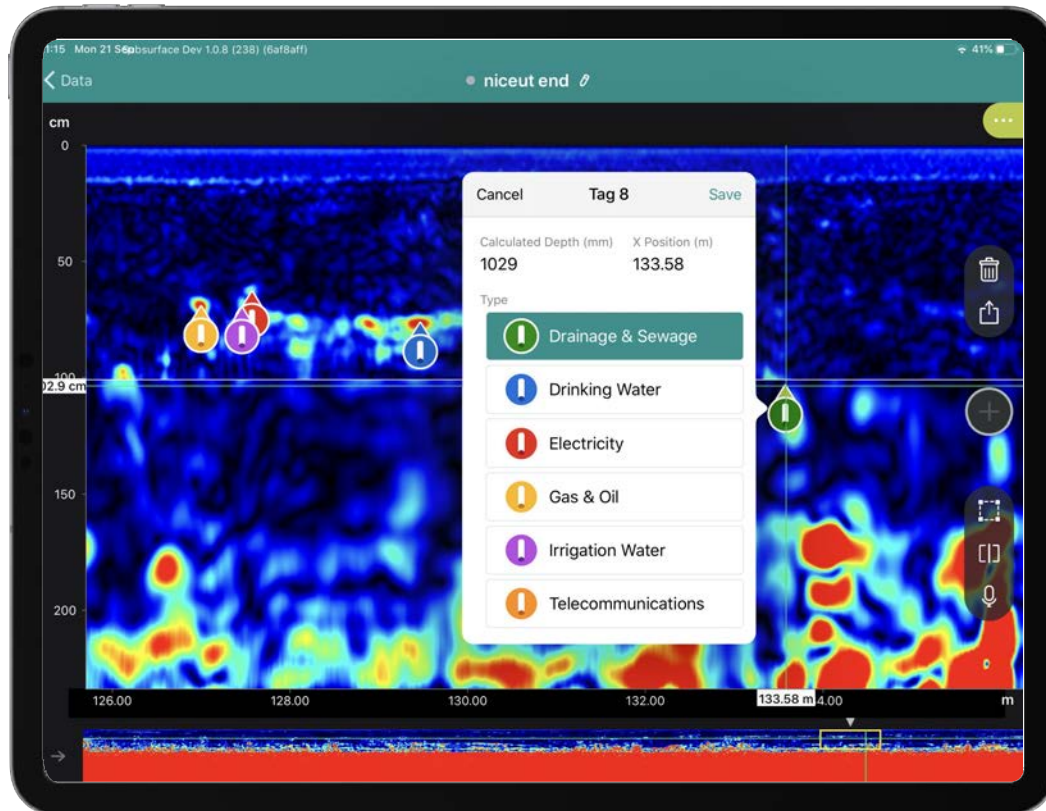
- ✓ Accurate
- ✓ Fast
- ✓ Convenient
- ✓ Cost-effective



Unique Selling Proposition

GS App

Superior User Experience



- Easy to use, yet powerful
- For multiple uses & users

All that you know and love about GP Live app

- ✓ Modern & intuitive user interface
- ✓ Multiple data visualization modes
- ✓ Flexible on-site settings
- ✓ Always up-to-date



Unique Selling Proposition

GS App

Superior User Experience



- Artificial Intelligence
- Augmented Reality

Bringing office processing to the field

- ✓ A.I.-assisted Utility Line Detection
- ✓ A.R.-powered On-site Verification



Unique Selling Proposition GS App

Superior User Experience



- Instant deliverables
- Collaboration

Bringing the field insight to the office

- ✓ Instant CAD/GIS deliverables
- ✓ Rich reporting & logbook
- ✓ Deployed over the cloud



Unique Selling Proposition

Push & Pull Wireless Cart

Versatility and Comfort



- Adapts to the environment

Terrain agnostic system

- ✓ Push & pull wireless cart
- ✓ Switch between ground- or air-coupled
- ✓ Wheels suitable for off-road use



Unique Selling Proposition

Push & Pull Wireless Cart

Versatility and Comfort



■ Adapts to your preferences

Cleverly designed to the smallest detail

- ✓ Compact with adaptable ergonomics
- ✓ Easy to manoeuvre & transport
- ✓ Full-day working autonomy



Technical Data

GS8000 Sensors



Radar technology	Stepped-frequency Continuous-Wave GPR
Modulated frequency range	40 – 3440 MHz
Effective bandwidth	3200 MHz
Min. detectable object size	Down to 1 cm at 0.5 m depth
Max. Penetration depth	Up to 10 m (typ. up to 6 m)
Scan rate	Up to 100 scans/m
Acquisition speed	Up to 80 Km/h at 50 mm scan interval
Antenna positions	Ground-coupled with dual-axis floating Air-coupled with 25 mm clearance One-turn switching system
Dimensions	610 x 570 x 380 mm
Weight	23 Kg
Battery	Flight-safe, removable, rechargeable 8x NiMH C-battery pack, slot for PB-USB power bank Full working day autonomy
GNSS receiver	Multiband GNSS, typ. 1-5 cm accuracy SSR augmentation included (EU & US/CAN) Compatible with network RTK services Dimensions: 145 x 145 x 70 mm Weight: 0.7 Kg, 4x AA-batteries included

CONFIDENTIAL, FOR INTERNAL USE ONLY



Technical Data

GS App



Acquisition modes	<ul style="list-style-type: none">• Line Scan• Grid Scan
View modes	<ul style="list-style-type: none">• A-scan• Line Scan Non-migrated• Line Scan Migrated• Time Slice View• 3D• Augmented Reality
On-site annotations	<ul style="list-style-type: none">• Tags• Utility Lines• Marks• Photos• Notes• Voice Notes
Image processing	<ul style="list-style-type: none">• Color palette• Linear gain• Time gain• Background removal• Multi-layer dielectric constant
Data options	<ul style="list-style-type: none">• Cloud storage & sharing• SEG-Y export• HTML export• DXF export
Display unit	<p>Any iPad® or iPad Pro® Recommended: iPad Pro WiFi + Cellular</p> <p>Screen resolution: up to 2732 x 2048 pixels Storage capacity: up to 1 TB</p>

PROTECT
THE BUILT
WORLD

