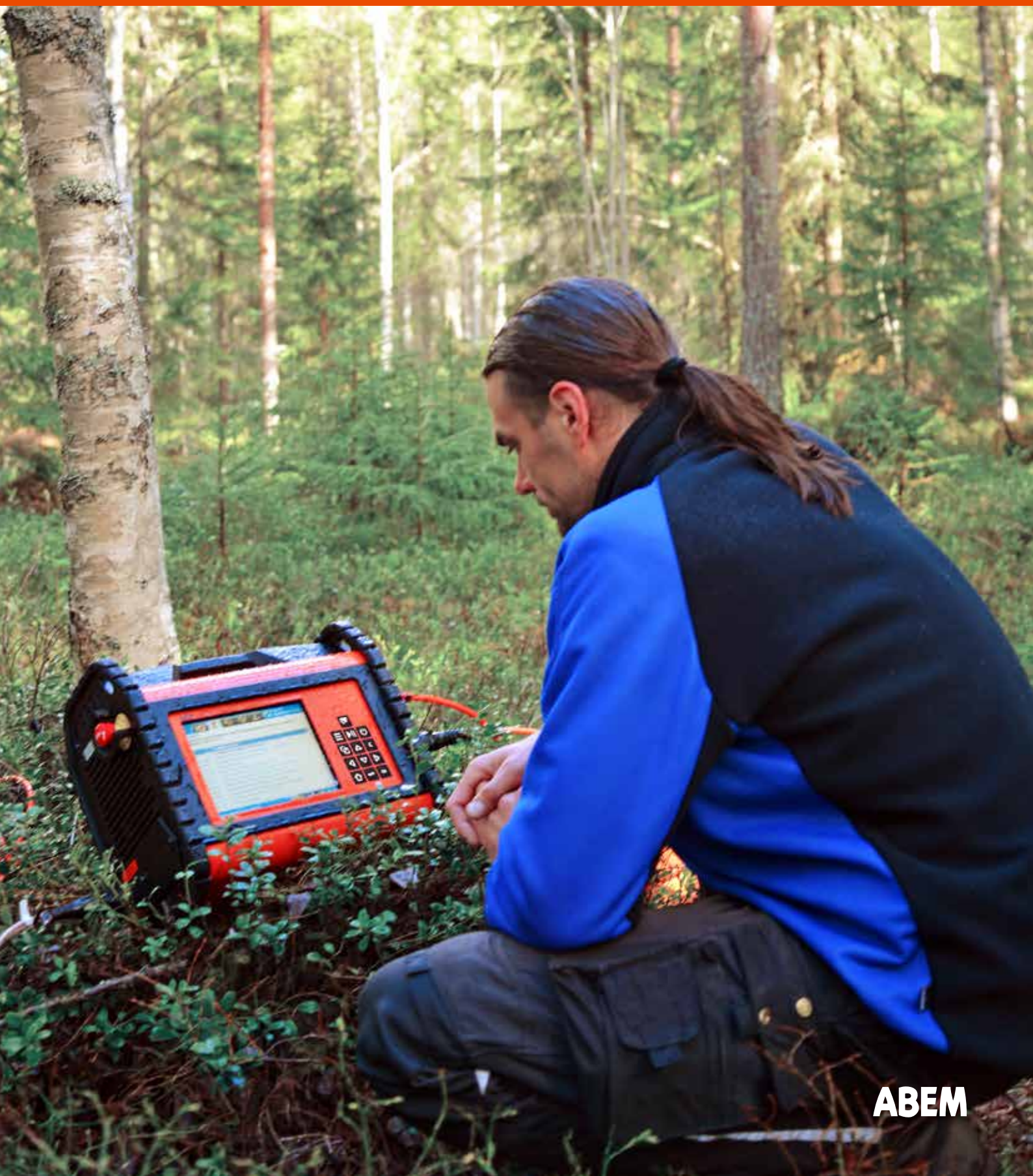
GUIDELINEGEO

ABEM Terrameter LS

RESISTIVITY AND IP IMAGING

Streamlined for productivity



The world leading resistivity/IP instrument

ABEM Terrameter LS can be used for almost every possible application, from advanced 4D waste deposit monitoring to 1D soundings.

Resistivity/IP surveying is a versatile geophysical method that is suitable for a broad range of applications and environments, such as groundwater prospecting, mineral exploration, geological mapping and geotechnical investigations. Configuration requirements can vary greatly, depending on the application, the ABEM Terrameter LS can be customized to a client's every need, depending on budget.

ABEM Terrameter LS VES is the entry level instrument and is optimized for 1D soundings. With an easy to use graphical user interface the operator has full control of field procedures and quality of data.

Using advanced technology in the design of measurement channels, and a high power current transmitter, surveying depths that were previously not considered possible can be achieved.

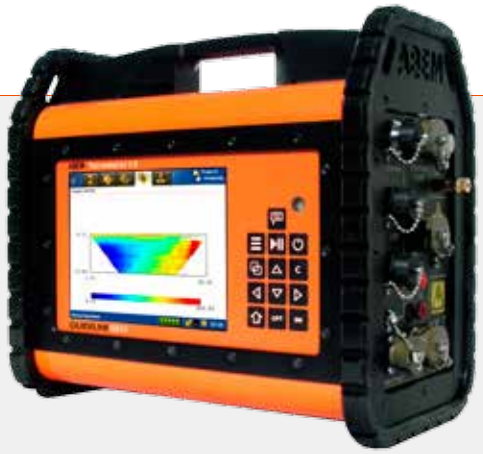
For 2D or 3D imaging (ERT) the ABEM Terrameter LS is the optimum choice. It is a standalone solution featuring multiple measurement channels, current transmitter, electrode selector, computer and a graphical user interface all built-in. The robust and rugged aluminum casing meets IEC IP66 classification and allows for use in the harshest conditions.

Typical applications

- Geological mapping
- Geotechnical pre-investigation
- Groundwater prospecting
- Mineral exploration
- Mapping and monitoring of contamination
- Geothermal prospecting
- Sub-bottom mapping of marine environments
- Monitoring of permafrost
- Archaeology

Features

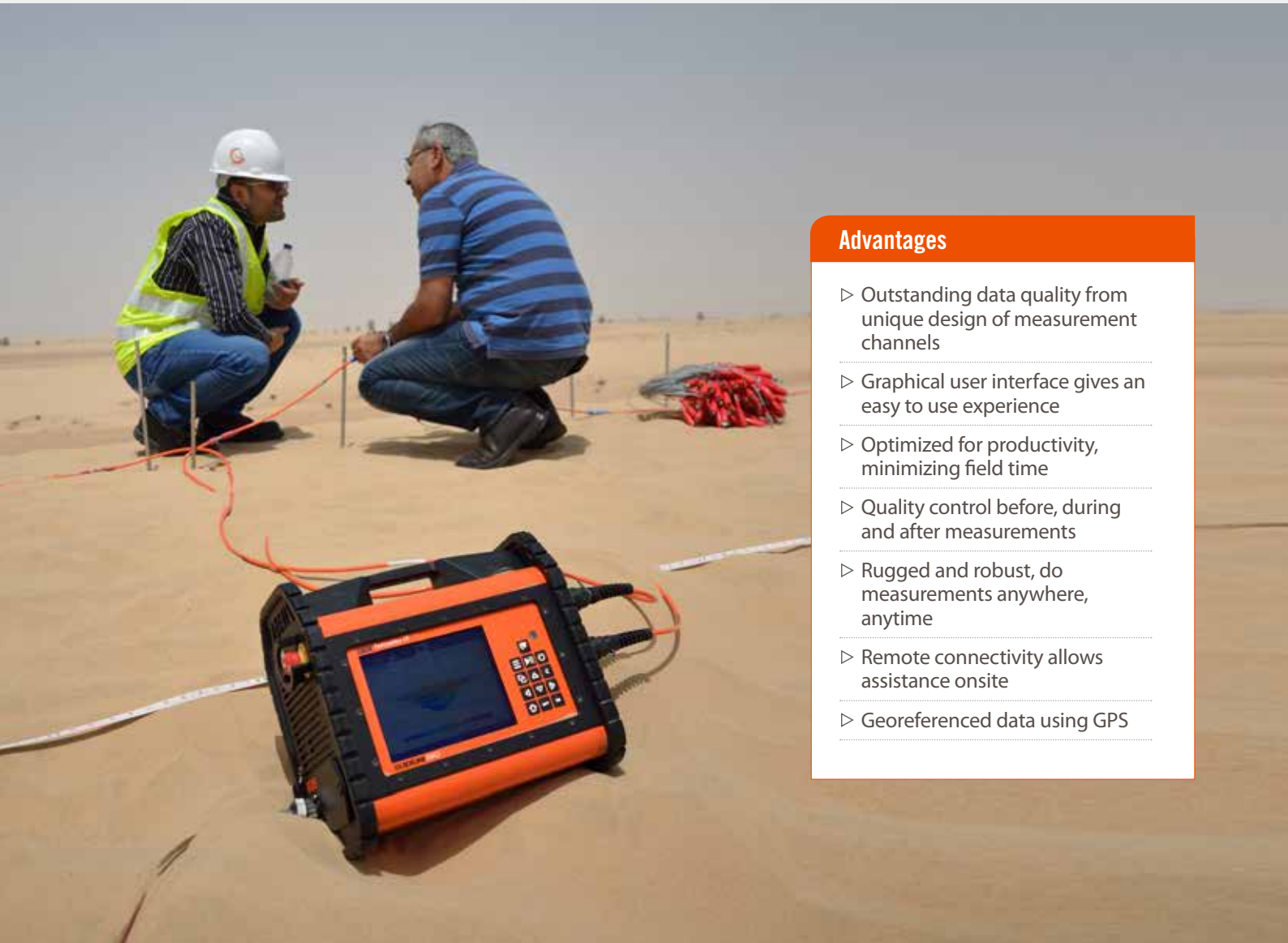
- Built-in computer
- 4, 8 or 12 measurement channels
- High power constant current transmitter
- Resistivity, IP and SP measure modes
- 1D, 2D, 3D and 4D measurements
- Sunlight visible LCD with graphical user interface
- Internal electrode selector
- Military grade connectors
- High quality cables



ABEM Terrameter LS

The instrument can be equipped with up to 12 measurement channels for greater efficiency and productivity in the field. The standard imaging cable system featuring four cables with 21 electrode take-outs enables the use of 81 unique electrodes, while additional electrodes can be connected using external electrode selectors. This flexibility allows for hundreds or even thousands of electrodes to be employed in big 2D or 3D surveys.

As the system has a computer running a Linux operating system, modern connectivity such as on-board GPS, Ethernet and USB are available. It also allows for remote control of the instrument, making it possible to take measurements without being close to the instrument, or for the ABEM support team to conduct upgrades, support and troubleshooting remotely.



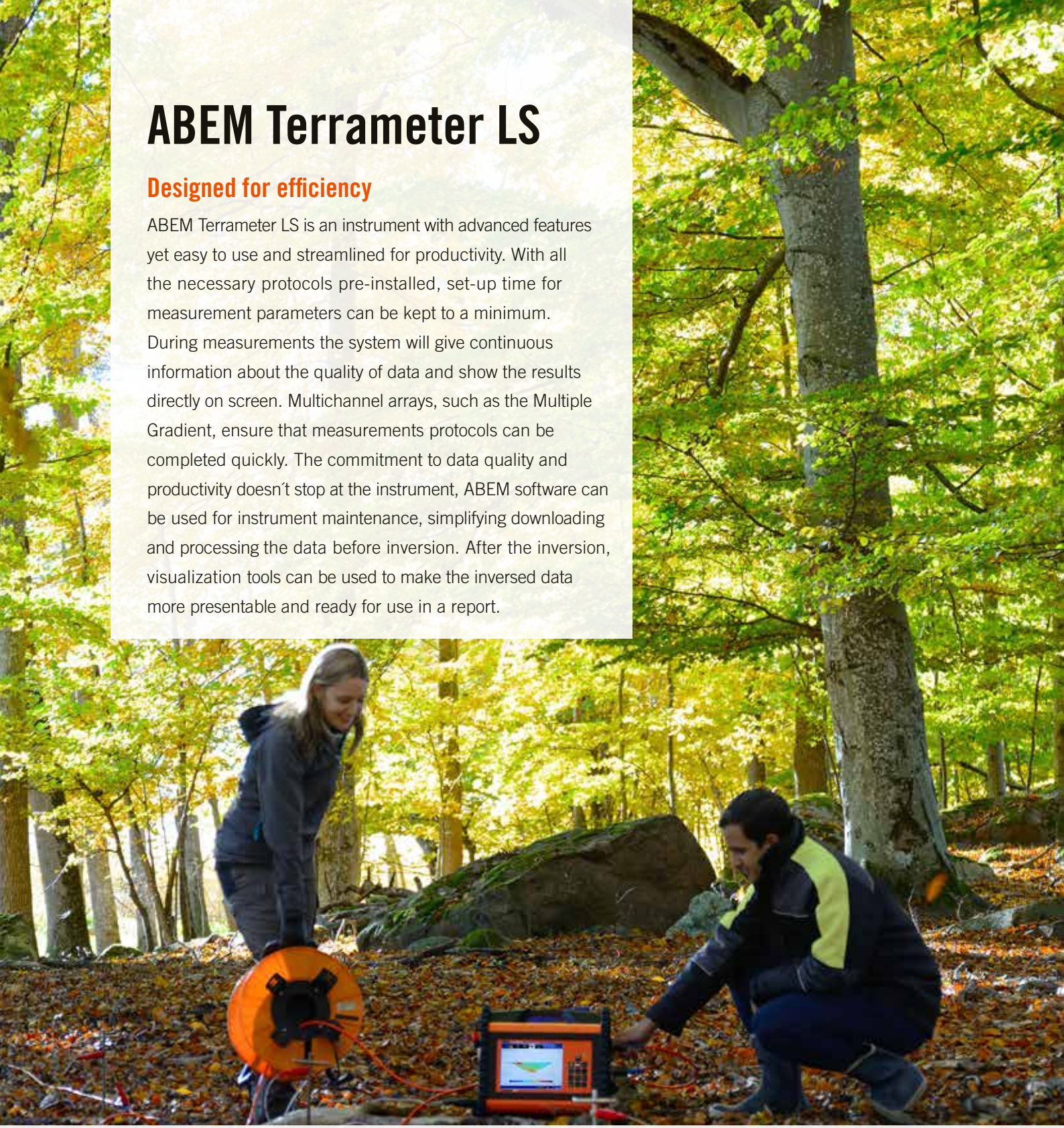
Advantages

- ▷ Outstanding data quality from unique design of measurement channels
- ▷ Graphical user interface gives an easy to use experience
- ▷ Optimized for productivity, minimizing field time
- ▷ Quality control before, during and after measurements
- ▷ Rugged and robust, do measurements anywhere, anytime
- ▷ Remote connectivity allows assistance onsite
- ▷ Georeferenced data using GPS

ABEM Terrameter LS

Designed for efficiency

ABEM Terrameter LS is an instrument with advanced features yet easy to use and streamlined for productivity. With all the necessary protocols pre-installed, set-up time for measurement parameters can be kept to a minimum. During measurements the system will give continuous information about the quality of data and show the results directly on screen. Multichannel arrays, such as the Multiple Gradient, ensure that measurements protocols can be completed quickly. The commitment to data quality and productivity doesn´t stop at the instrument, ABEM software can be used for instrument maintenance, simplifying downloading and processing the data before inversion. After the inversion, visualization tools can be used to make the inversed data more presentable and ready for use in a report.



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***Guideline Geo** is a world-leader in geophysics and geo-technology offering sensors, software, services and support necessary to map and visualize the subsurface. Guideline Geo operates in four international market areas: Infrastructure – examination at start-up and maintenance of infrastructure, Environment – survey of environmental risks and geological hazards, Water – mapping and survey of water supplies and Minerals – efficient exploration. Our offices and regional partners serve clients in 121 countries. The Guideline Geo AB share (GGEO) is listed on NGM Equity.*

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