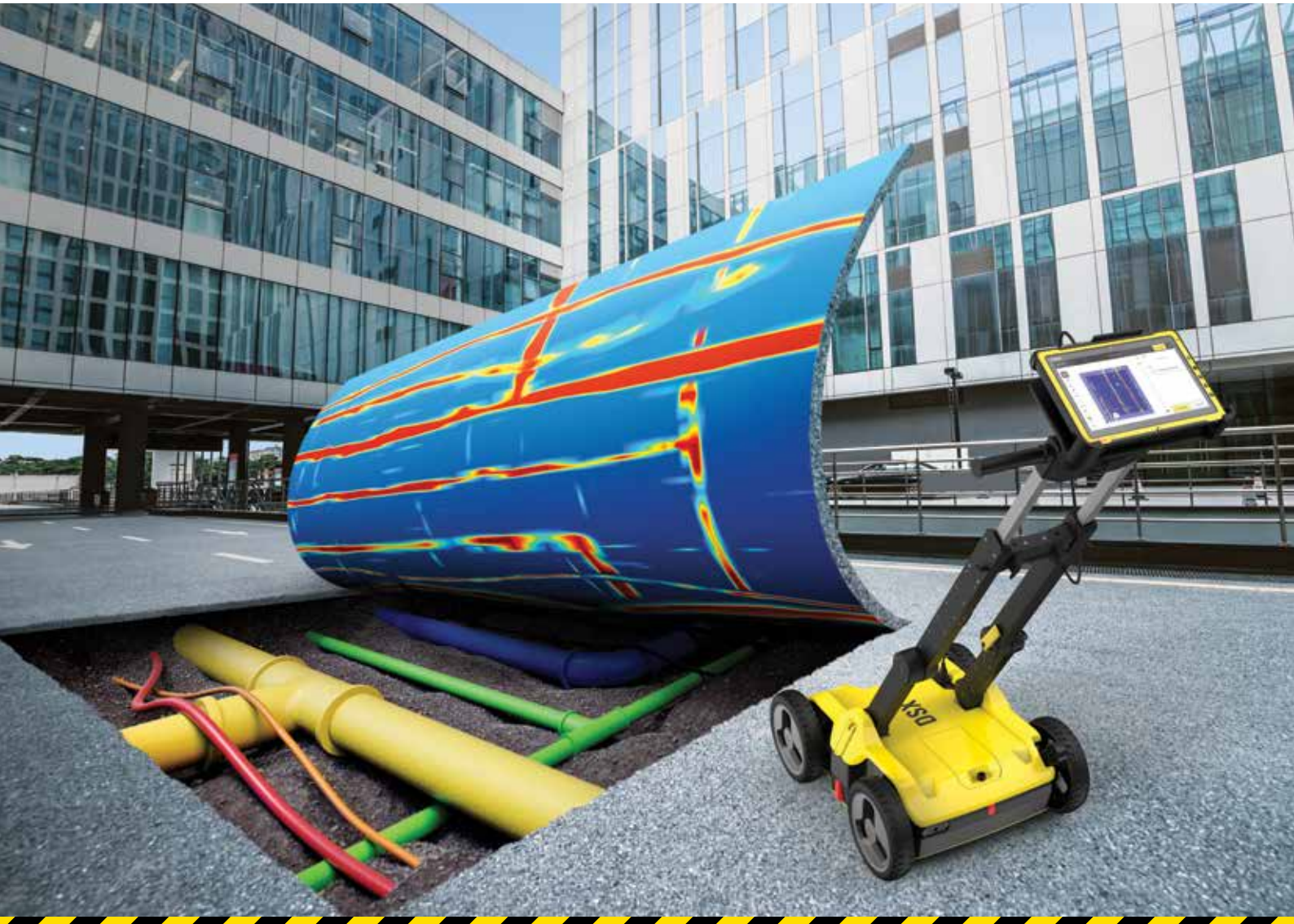
A clearer view of underground utilities

Leica DSX



Uncovering utilities clearly and effortlessly

Quickly and easily locate and map underground utilities with the new Leica DSX non-destructive detection solution. DXplore software delivers instant, clear and accurate visualisation of utilities in the field. Integrating best practice, simple and most reliable workflow for utility detection and mapping. Plug'n'play solution with positioning sensors and easy export to machine control, delivering instant 3D utility map and assuring most productivity.

DSX and DXplore Technical Specifications

HARDWARE SYSTEM

DSX Utility Detection System		CT1000 Tablet	
Central Frequency	600 MHz	Display	11.6"
Detection Depth	Up to 2m / 6.56ft	Processor	Intel® Core™ i3-7100U
Acquisition Speed	Up to 7km/h or 4.3mph	Memory	RAM 4GB, 128GB SSD
Scan Interval	0.50m / 18in	Operating System	Windows 10 Professional
Positioning	2 encoders on wheels; GNSS antenna integration (Surveyor kit only)	Positioning	GPS (GlobalSat)
Environmental	IP65	Environmental	Sunlight readable display (LCD + Touchscreen + Hard Tip stylus) IP65 / MIL-STD-810G
Weight	23kg (without battery and tablet)	Weight	1.39Kg
Battery	Li-ion 14.8V / 5800mAh up to 8 hours operating time	Battery	Li-Ion 11.4V / 2160mAh
Operating Temperature	–10°C to +40°C / 14°F to 104°F	Communications	WiFi, Bluetooth v4.2, 4G LTE (Model 880920) RJ45 – connection to DSX
Warranty	2 years (extension CCPs available)	Warranty	2 years Global Warranty (battery – 1 yr)

SOFTWARE

DXplore		Starter	Surveyor
Setup	Animation tutorials	✓	✓
	Status check (connection, battery level, etc.)	✓	✓
	Project and draft management	✓	✓
	GNSS antenna configuration wizard		✓
Acquisition	Grid Scan mode	✓	✓
	Radar sensor control (scan and pause, etc.)	✓	✓
	Positioning status and accuracy check		✓
Positioning	Real-time position display from wheel encoders	✓	✓
	Google Maps and current location support	✓	✓
	Reference point manual entry		✓
	Local coordinate system support		✓
	GNSS antenna support (Leica GS16, GS18 T, GG04 plus and iCON GPS 70 T)		✓
	Real-time position display from GNSS antenna		✓
Process & Analysis	On-site radar tomography generation	✓	✓
	POI support	✓	✓
	Utility marking	✓	✓
	Automatic utility verification	✓	✓
	Georeferencing with positioning data		✓
View	Animation on tomography slices	✓	✓
	2D view	✓	✓
	3D view		✓
Import	Utility records in DXF format		✓
	Multiple layer support		✓
Export	Report in PDF format	✓	✓
	Detected utilities in DXF and DWG formats	✓	✓
	Tomography in png, jpg, tiff, bmp, and gif format	✓	✓
	Output in selected local coordinate systems		✓

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- when it has to be **right**

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