

GNSS-SYSTEMS



FGS Lite

Surveying can be that **easy**



FGS 1

Userfriendly - even under tough conditions



FGS 200

Aligned - when sloped



geo-FENNEL GNSS-System **FGS Lite**



Surveying can be that **easy!**

The **geo-FENNEL GNSS antenna FGS Lite** with geo-FENNEL Survey Software supports users with a multitude of **basic surveying tasks**.

The **geo-FENNEL Survey Software** is an Android-based simplified user software which can accomplish surveying tasks professionally.



GPS System FGS Lite Set + geo-FENNEL Survey + Samsung Tablet
Art-No. 740120



GPS System FGS Lite Set + geo-FENNEL Survey
Art-No. 740100



TECHNICAL DATA

Channels	352
GPS	L1 C/A, L2C, L2P
GLONASS	L1C/A, L1P, L2C/A, L2P
BEIDOU	B1, B2
GALILEO	E1, E2, E5
QZSS	reserved
SBAS	WAAS, EGNOS, MSAS, GAGAN

Bluetooth	4.0, for Windows and Android
Operating time	more than 9 hours



geo-FENNEL GNSS-System **FGS 1**



User friendly - even under tough conditions.

The **geo-FENNEL GNSS receiver FGS 1** is specifically designed for the operation in rough environments.

It covers all available GNSS sources such als **GPS, GLONASS, GALILEO** or **BEIDOU** and is able to limit user defined sources. Its integrated **radio interference suppression** allows the operation in adverse conditions.

A Bluetooth interface, an integrated radio modem (Rx, Tx) as well as a 4G modem is part of this receivers standard outfit.



GPS System FGS 1 Base-Rover-Set + Mesa + FieldGenius + G20

Art-No. 751090



GPS System FGS 1 Base-Rover-Set + geo-FENNEL Survey + Samsung Tablet + G20

Art-No. 751040

GPS System FGS 1 Rover-Set Mesa + Field Genius + G20

Art-No. 750090

GPS System FGS 1 Rover-Set + geo-FENNEL Survey + G20 + Samsung Tablet

Art-No. 750140

This system is combinable easily with other recievers and supports geo-FENNEL Survey Software and MicroSurvey® FieldGenius. Due to its intelligent design the FGS 1 is a compact and light weight instrument.

LTE



TECHNICAL DATA

Channels	572
GPS	L1, L2, L2C, L5
GLONASS	L1/L2
BEIDOU	E1, E5a, E5b
GALILEO	E1, E5a, E5b
QZSS	reserved
SBAS	WAAS, EGNOS, MSAS, GAGAN

Bluetooth	4.0, for Windows and Android
Operating time	more than 9 hours



geo-FENNEL GNSS-System **FGS 200**



Aligned - when sloped.

The new **geo-FENNEL GNSS receiver FGS 200** is unique in its' class and very compactly engineered. A truly excellent partner for operating in adverse conditions: Due to the integrated **IMU Sensor** a **deviation of 60°** to the vertical line is compensated. This feature really **facilitates** the surveying job **to a maximum**.

Equipped with a powerful UHF (Rx, Tx), WiFi and 4G modem the FGS 200 offers a wide array of connection possibilities. With 574 channels the receiver supports **all available GNSS sources** (GPS, GLONASS, GALILEO, BEIDOU) without the need to further activate them.



LTE



TECHNICAL DATA

Channels	574
GPS	L1 C/A, L2C, L2PL5
GLONASS	L1 C/A, L1PL2 C/A, L2P
BEIDOU	B1, B2, B3
GALILEO	E1, E5a, E5b, AltBOC
BeiDou Global Signal	B1C, B2a
L-Band	yes
QZSS	QZSS, IRNSS
SBAS	WAAS, EGNOS, MSAS, GAGAN

Bluetooth	4.0, for Windows and Android
Operating time	more than 15 hours



GPS System FGS 200 Base-Rover-Set + Mesa + FieldGenius + G20

Art-No. 771090



GPS System FGS 200 Base-Rover-Set + Samsung Tablet + geo-FENNEL Survey + G20

Art-No. 771040

GPS System FGS 200 Rover-Set + Mesa + FieldGenius + G20

Art-No. 770090

GPS System FGS 200 Rover-Set + Samsung Tablet + geo-FENNEL Survey + G20

Art-No. 770140

GPS System FGS 1 with FGS 200 Base-Rover-Set + Mesa + FieldGenius + G20

Art-No. 771095

GPS System FGS 1 with FGS 200 Base-Rover-Set + Samsung Tablet + geo-FENNEL Survey + G20

Art-No. 771045



geo-FENNEL
**SURVEY
SOFTWARE**

The Android-based geo-FENNEL Survey Software is compatible with all of geo-FENNEL's receivers thus forming a complete GNSS surveying system.



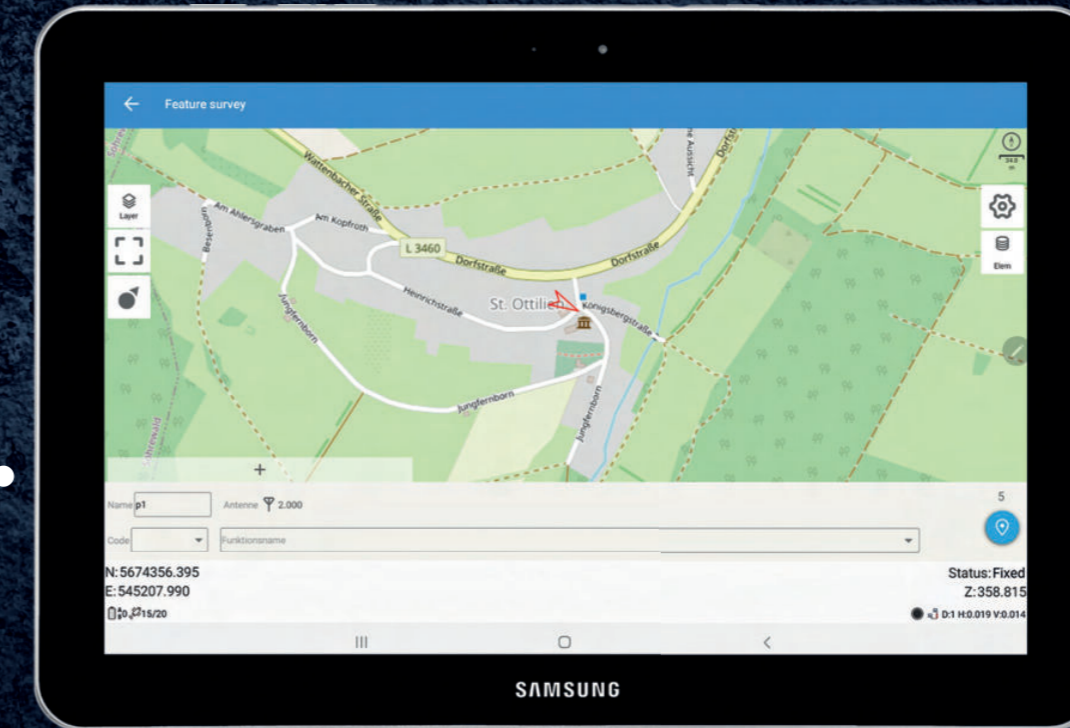
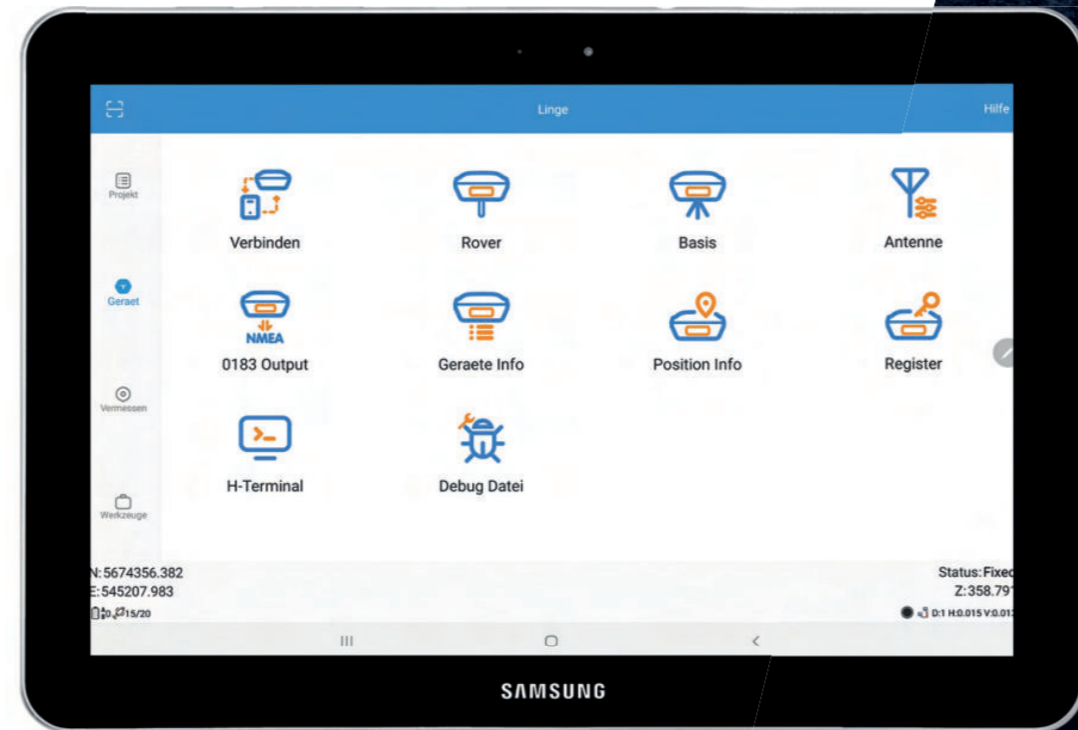
geo-FENNEL Survey Software

Software - on point

The simplified but comprehensive **geo-FENNEL Survey Software** is very well equipped for the daily surveying tasks.

The **easy menu operation** quickly grants access to the desired surveying tasks: From point recording, stake out, complex drawings to quick area determination is all quickly accessible.

Even without a special surveyor's training you will be able to fully master these surveying tasks **like a pro**.



Download here:



You can find our
video how-to's here:

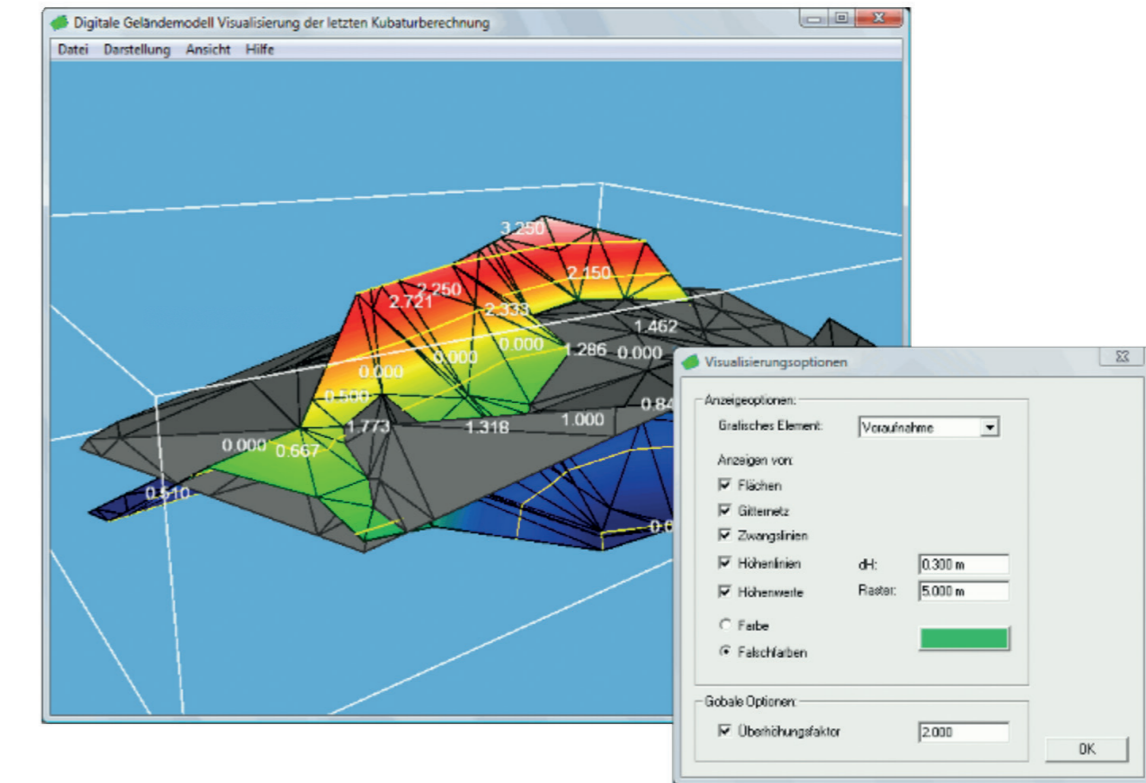
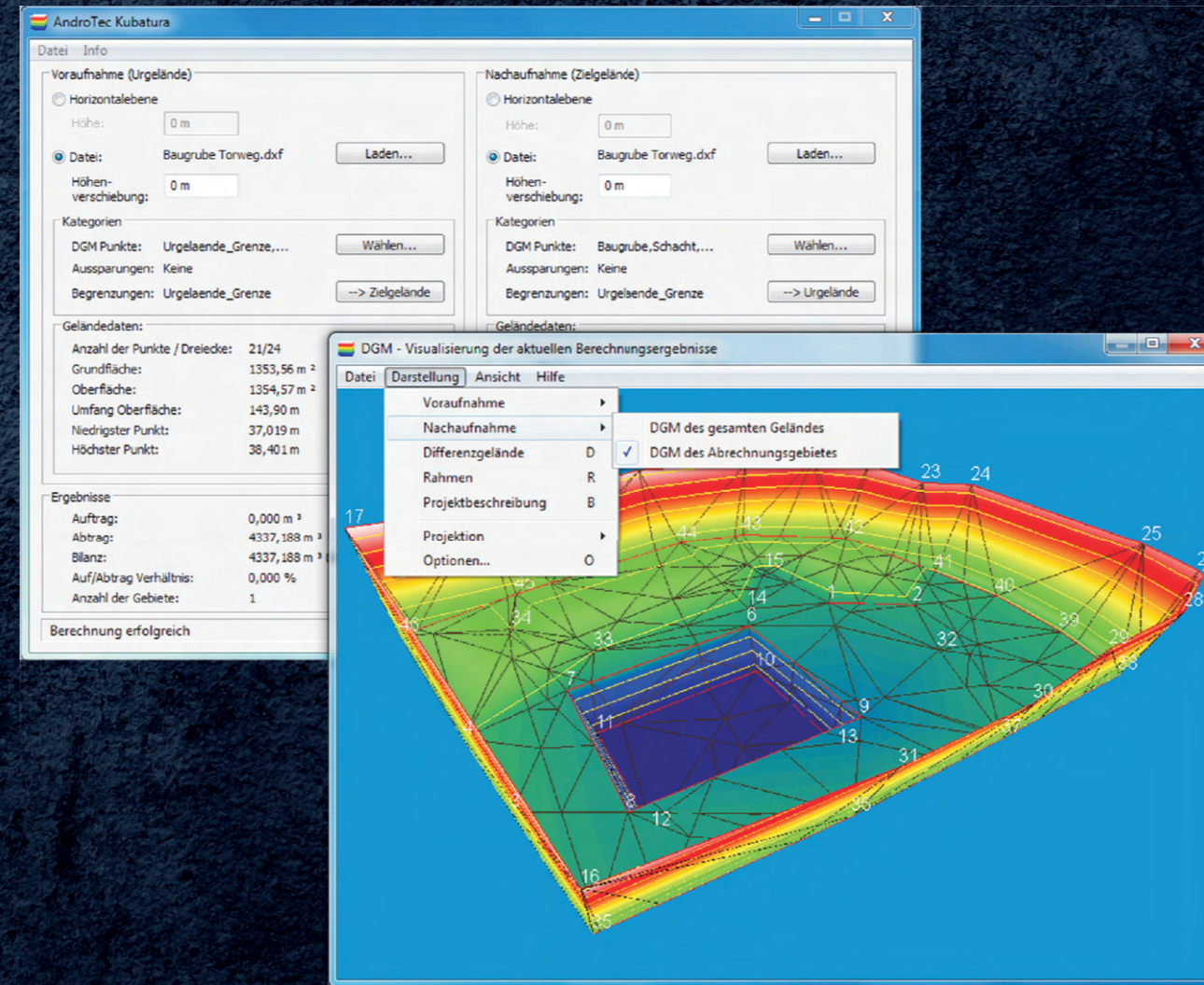


Kubatura

Determination of volume with cut and fill

AndroTec cubature calculating software for Microsoft-Windows® allows easy calculation of volumes between two surfaces (so called „horizont“) conformable to REB/GAEB regulations.

These surfaces can be given either through a horizontal layer with fixed height or through measuring or CAD data. Single coordinates can be offset in elevation. Breaking edges in the terrain or predetermined limits and clearances of the measuring area are also included utilizing the automatic triangle intermashing feature of the software.



AndroTec cubature calculating software KUBATURA FL + CVT-Pro

Art-No. 720100



geo-FENNEL

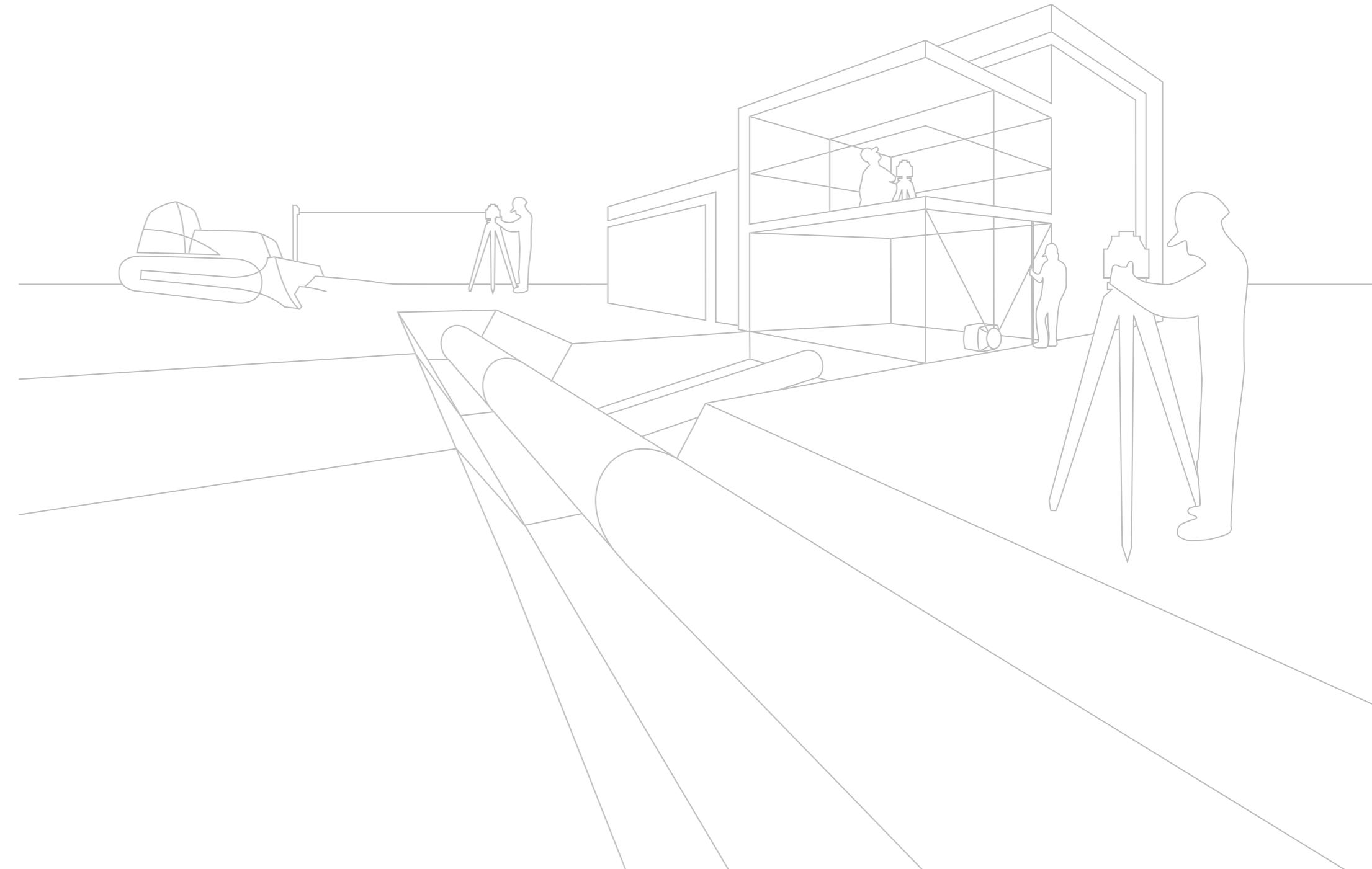
CONTACT

Do you have a question? About our company, our products or our website? Would you like to arrange a personal appointment or request further information? Then just contact us.

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F E N N E L



Precision by tradition



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