XSITE **PRO 3D** SYSTEM

20
22

WORK EASIER, FASTER AND MORE SAFELY WITH MACHINE CONTROL

No need for paper plans, manual grade checking or jumping on-and-off the machine!

Xsite **PRO 3D** enables doing the work correctly at the first time, avoiding overcuts or undercuts. Work with centimeter accuracy without unnecessary interruptions.

All the project information and designs are displayed to the machine operator in real-time, in an easy-to-follow visual format.
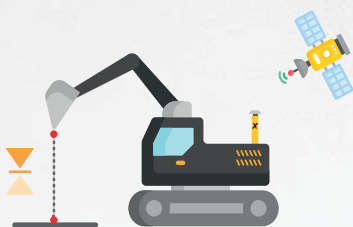
Xsite Machine Control can be installed on any excavator.
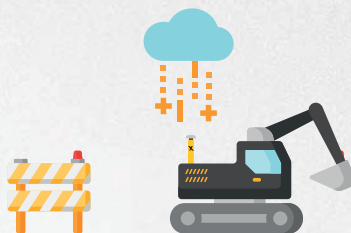
TAKE FULL ADVANTAGE
XSITE PRO 3D

BENEFITS OF XSITE PRO 3D MACHINE CONTROL

NO OVER- OR UNDERCUTS

With Xsite PRO 3D, you'll always know exactly how much to cut or fill. Material and transportation costs decrease as extra materials are no longer needed.

STAY CONNECTED

Always work with latest project plans. Desing models can be uploaded to the system with wireless data transfer automatically, so you can concentrate on productive work.

INCREASE PRODUCTIVITY

Machine control system guides the machine operator in attaining the target plane quickly and easily. When the job is carried out properly the first time, you can save time, materials and fuel.

BEST USABILITY FOR EVERY PROJECT

Whether you are working on a small construction site, or a large project with 3D design models, Xsite PRO 3D will make your work easier, faster, and more accurate.

THE BEST USER EXPERIENCE

Xsite PRO 3D's easy-to-use and intuitive user interface, real-time information and professional support guarantee the best possible user experience.

With Xsite you'll do your best work yet!

UNBEATABLE EFFICIENCY

Xsite's compact G2 sensors offer extremely fast and accurate measurement. The rugged design also enables underwater usage.

BUILT-IN USER GUIDANCE

Xsite PRO is full of intelligent features to make your work easier. Easy-to-follow guides are available throughout the system, helping you to utilize all the features you'll need to make your work more efficient.

EASY TO USE.
FOR REAL.

XSITE PRO 3D OFFERS EASE OF USE WITH INTELLIGENT FEATURES, REAL-TIME INFORMATION AND BEST CUSTOMER SUPPORT.

XSITE PRO 3D - USER INTERFACE

CHANGE ACTIVE MODEL

Change quickly between different 3D models on your project. No need to browse through menus.

PROFILE VIEW

The profile view shows your bucket's position in real time, in relevance to the shape/cut profile of the selected surface model.

MEASURING VALUES

The system's dashboard shows you the numerical values of your measurement. e.g. how far the bucket is from the desired level.

PROJECT INFORMATION

The status bar shows relevant project and system information.

SYSTEM MENU

Easy access to main functions and customization options of the system.

Customizable Views

Xsite PRO 3D's user interface can be easily customized to suit the operators needs.

YOUR MACHINE

A 3D model of your excavator visualizes movements, heading and the exact position of your machine on site in real-time.

MAP VIEW

The map view shows you your project and the location of your machine in real-time. You can change and adjust the view easily to your liking.

You can also select 3D models by "point and pick" directly from the map view.

CUT / FILL GUIDANCE

Bucket corner indicators give you real-time information about the height difference between your bucket and the surface.
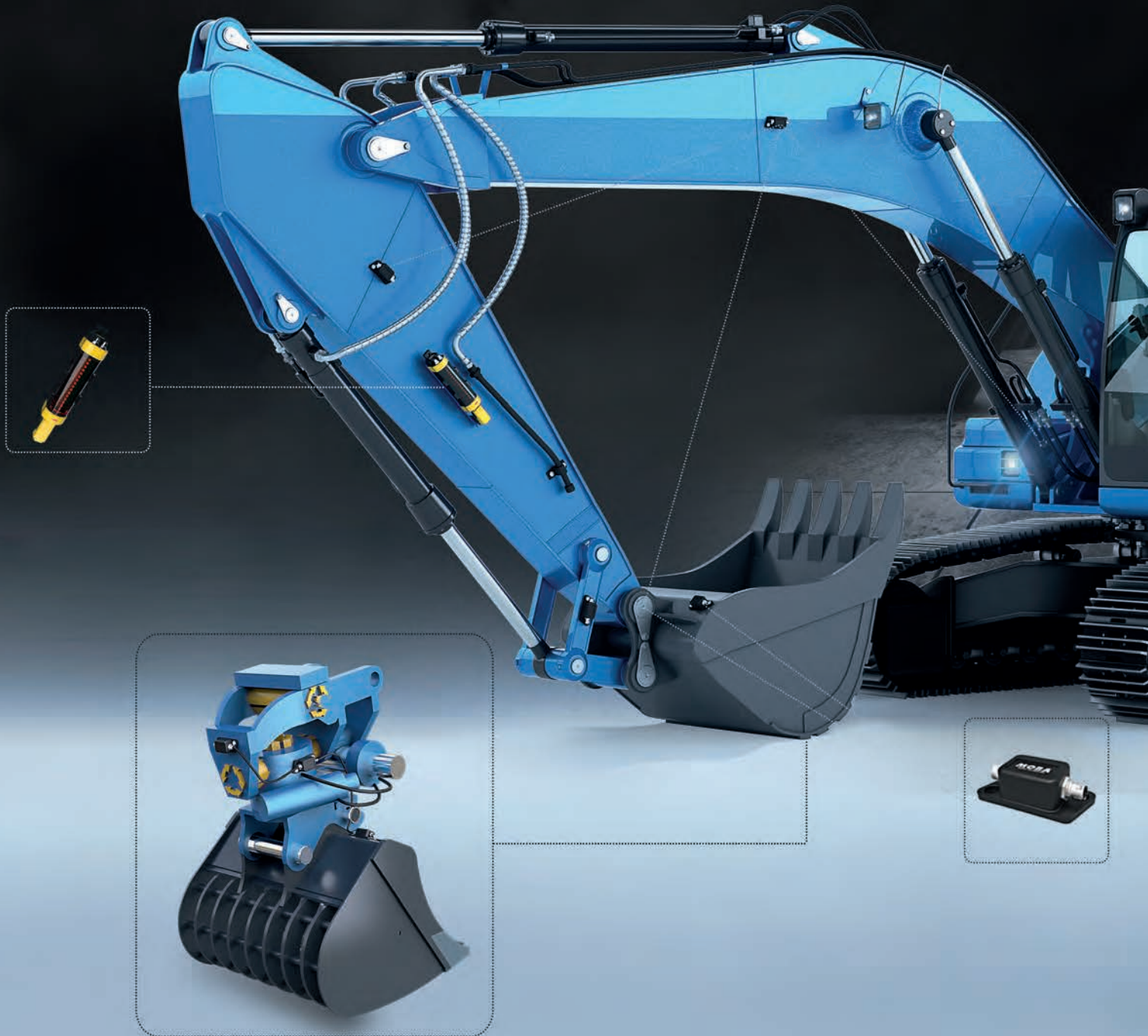
QUICK BUTTONS

Set different functions to quick buttons to be used quickly without accessing menus. e.g. saving an as-built point or resetting your height reference

PROJECT MENU

Easy access to project settings and functions related to your project.

Familiar UI Gestures

The intuitive user interface makes the system very easy to use, even for operators with no prior experience of machine control.

GUARANTEED MODULARITY - MAXIMUM FLEXIBILITY

With the Xsite PRO system you are always equipped optimally for all requirements of a construction site. Whether it is easy work assignments or complex construction projects, MOBA excavator control systems guarantee a pinpoint, efficient result through perfect interaction of all components. Thanks to the modular structure of the 3D software, Xsite PRO can be upgraded at any time. Stay flexible for every construction project with the easy and non-destructive installation of additional functionalities and the compatibility with all base stations.

1. **XSITE PRO** efficient work in 3D
2. **GNSS ANTENNA** receives position and level data
3. **POSITIONING RECEIVER**
4. **CONTROLLER** processes all received position data
5. **LASER RECEIVER EL-3** automatic level adjustment
6. **INCLINATION SENSOR** 360° measuring range in 3 axes
7. **LED DISPLAY** additional display of work progress

1   2   3   4   5   6   7

NO 3D MODELS?
NO PROBLEM.

Harness the efficiency of 3D machine control in smaller projects - Make your own 3D models easily from the cabin with built-in model tools.

Take full advantage from Xsite PRO, even in smaller sites.

With Xsite PRO 3D you can create simple or more advanced 3D models from scratch without leaving the cabin.

This speeds up the construction process remarkably - No need for manual grade checking or waiting for a surveyor to visit the site.

A built-in guide helps you through the process step-by-step, so you can put your time to productive work!
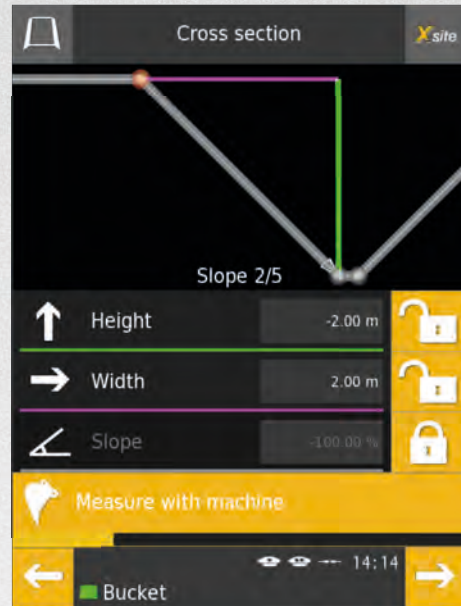
ADD 3D MODELS TO AN EXISTING PROJECT.

You've received 3D models for a project from the designer, but models for the pipe trenches are missing? No problem, with Xsite PRO you can easily add self-created 3D models to project designs.

You can create a pipe trench easily by using an existing line model as a reference, for example.

You can also duplicate an existing line, and set a new height and sideway position for it.

XSITE PRO
MODEL TOOL
-FEATURES

- Create planes & slopes quickly
- Create cut profiles
- Add 3D models to existing projects
- Create line models easily
- Use existing lines as reference/center lines for profiles
- Offset surfaces

Xsite PRO enables you to harness the efficiency of 3D machine control even in smaller projects.
The operator can easily create e.g. a simple model for house foundations using the built-in model tools.
This speeds up the construction process remarkably - No need for manual grade checking or waiting for a surveyor.
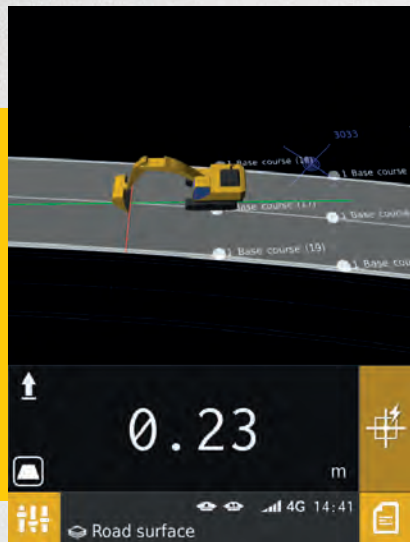
With Xsite **PRO 3D**, all the project information and designs are displayed for the machine operator in an easy-to-follow visual format.

COLLECTING POINT DATA

Document as-built information from surfaces, cables, wells etc. with one simple touch.
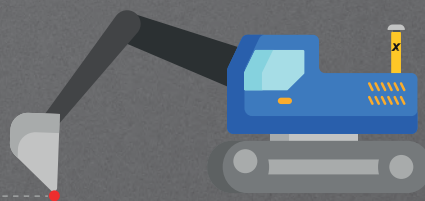

Documenting completed work, also known as as-built, is one of the key benefits of 3D machine control.

Documenting as-built with Xsite PRO 3D is made quick and easy for the operator. Just one simple touch, and the system stores an as-built point, with all the relevant information!

Collected point data can be automatically saved to Xsite MANAGE cloud service.

X coordinate: 6782261.46,
Y coordinate: 21530729.08,
Z coordinate: 23.10
POINT CODE: 109
description: BASE COURSE
Point ID: 10
TIME: 08:24:20 DATE: 05.10.2021

As-built information documented with Xsite contains more information than just coordinates.

STAKE / LOG POINTS

With Xsite PRO 3D, the operator can also stake points or lines. This is especially useful when installing equipment that was not in the original designs.

The saved point data can be transferred wirelessly back to the designer or office.
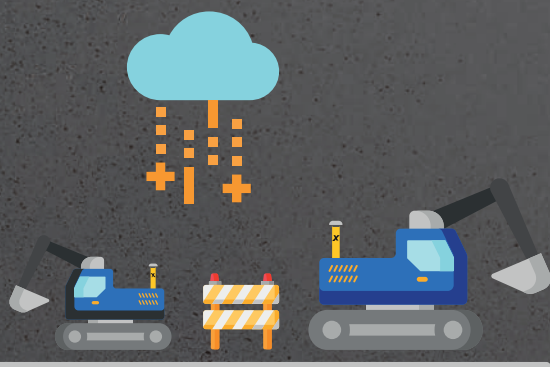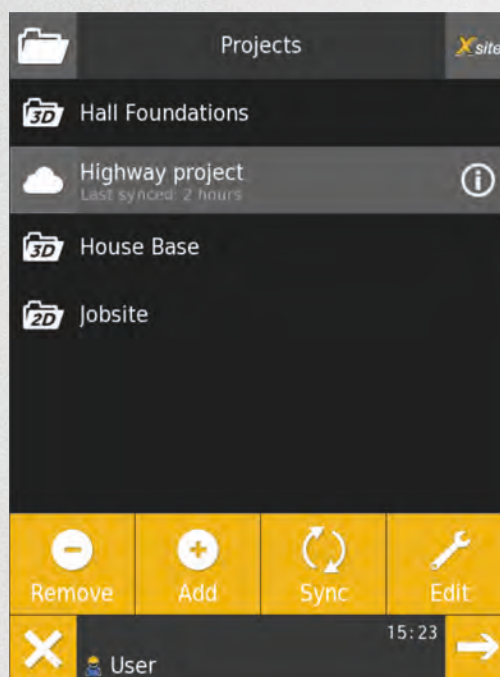
STAY CONNECTED

Always work with latest project plans! Wireless data transfer enables the right information to be in the right place, in real time.

AUTOMATIC DATA SYNCHRONIZATION

Fast information flow is crucial on a modern-day construction sites. With Xsite PRO's automatic data synchronization, the machine operator always has up-to-date project plans at hand.

In addition, the data collected with 3D machine control can be transferred automatically back to the office for quality control.

The same data is also available for site managers, surveyors, site-coordinators, and projects owners.
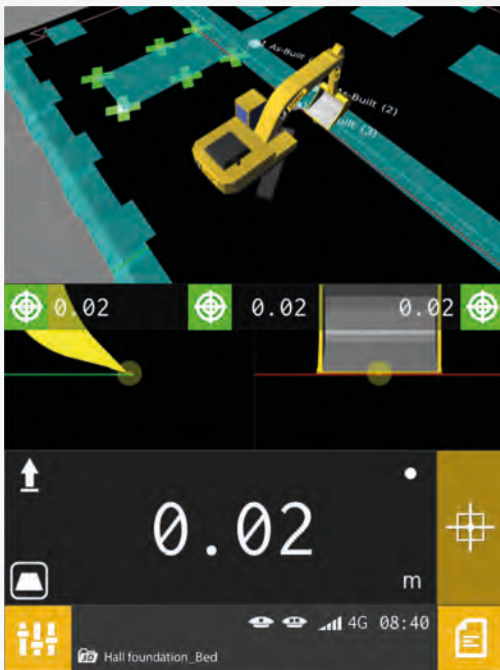

3RD PARTY COMPATIBILITY

Xsite PRO 3D system can be also connected to a 3rd party software, e.g. Infrakit or Gemini.

Unlike many other manufacturers, Xsite products are based on open standard file formats. This means you'll be able to work in different projects and not have to worry whether the project models will work on your system.

With Xsite, all 3D models will work automatically, from any designer, without unnecessary conversions or transformation tools.

DATA SHARING
BETWEEN MACHINES

Sharing data such as collected points is possible between Xsite PRO 3D systems when connected to the Xsite MANAGE cloud service.

Points collected by other machines are easy to tell apart by their symbol and color.

SUPPORTED
FILE FORMATS

For the convenience of the operator and the designer, Xsite PRO 3D supports open standard file formats: **XML and DXF**

INCREASE SAFETY

INCREASE THE SAFETY OF YOUR WORK AND CO-WORKERS WITH AUTOMATED ALARMS.

When using Xsite PRO 3D Machine Control, there is no need to jump in to excavations or spend unnecessary time around the excavator. This helps avoiding dangerous situations.

PROXIMITY ALARM

Xsite systems proximity alarm can be used for warning the operator when he is getting too close to existing structures or a powerline, for example.

WORK MORE SAFELY

When using Xsite PRO 3D Machine Control, there is no need to jump in to excavations or spend unnecessary time around the excavator. This helps avoiding dangerous situations.

Xsite Remote Support Minimizes Downtime

Our friendly and professional support ensures that you can keep working smarter without interruptions.

To maximize the return on your machine control investment, the equipment needs to be ready for use at all times.

With remote support, your local Xsite support personnel can provide you with guidance or troubleshooting without having to visit the site.

BEST SUPPORT GUARANTEED

Xsite Remote Support

- Operator training
- How-to / Guidance
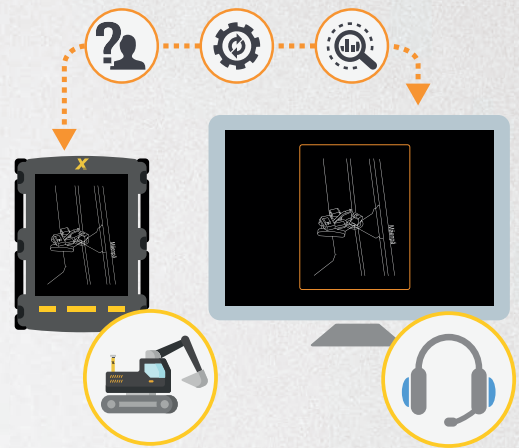- Troubleshooting
- Software updates

How Does It Work?

With remote support, your local Xsite support personnel can access your machine control system wirelessly, without visiting the site.

The support personnel can see your systems view on their own screen and operate the system remotely in real time.

Help Is Always Available!

With Xsite you don't have to worry about learning all the tips and tricks at once. Additional user training is always available remotely or on site.

BEST 2D FEATURES INCLUDED

Working with satellite positioning is not always possible. This is why Xsite PRO 3D is equipped with the best 2D features on the market.

Xsite PRO 3D - 2D features
- Plains & slopes
- Dual slopes
- Simple cut profiles
- Laser reference (height/slope)

In addition to being a industry pioneer in 3D machine control, we have developed our 2D solutions for over 30 years.

That said, it is a no brainer for us that our extensive 2D features are always included in our machine control solutions.

With Xsite® you can have the best of both worlds - with just a one touch of the screen.

EXTREME ACCURACY

2D mode is especially usefull in tunnels/inside buildings, or when extreme accuracy is needed e.g. pipeworks.

With Xsite PRO you can easily use worksite lasers for height and slope reference, and benefit from comprehensive 2D features when needed.

TIME TO GET PERSONAL

Xsite PRO 3D offers the operator an easy access to customize and modify the system's user interface.

A MENU THAT MAKES SENSE

Xsite PRO offers a clear main menu that is easy to navigate. All the important functions are easily accessible.

TRANSFORM IT TO YOUR LIKING

Customizing the system's UI and views to serve your needs on site is made simple and easy.
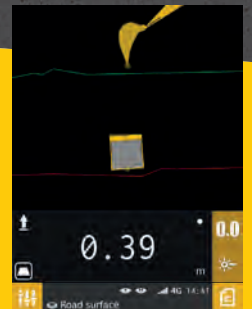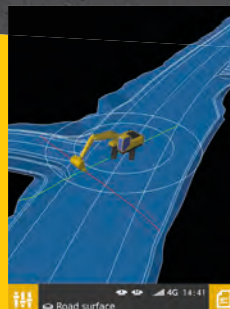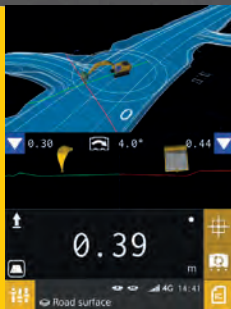
CUSTOMIZING OPTIONS

- Edit dashboard layout
- Show/hide main view elements
- Set user profiles
- Set quick button functions
- Edit LED-display settings
- Change measuring units

Adding your company logo to the system's machine model is also possible with Xsite PRO.

DON'T NEED IT? LEAVE IT OUT.

Xsite PRO's main view can be easily customized to suit the operators needs in different projects.

TILTROTATOR INTEGRATION

Connection between the Xsite system and a tiltrotator. Available for:

- Engcon
- Rototilt
- Steelwrist
- SMP
- Marttiini
- Rototop

JOYSTICK INTEGRATION

Use the main functions of the machine control system directly from the excavator joystick.

DREDGING KIT

Extra protection for sensors and cables of the system, for extremely demanding environments.

Enhance productivity and safety with additional accessories

ACCESSORIES FOR
XSITE PRO 3D
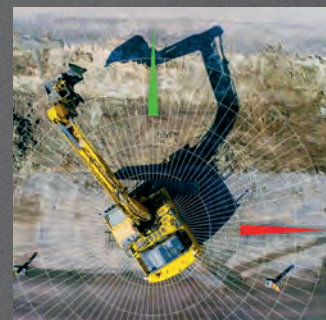
OPTIONAL COMPONENTS

XD2 LED-DISPLAY

LED display guides you to achieve the target level. Easy to follow from a corner of your eye.

EL3 LASER RECEIVER

Take advantage from a worksite laser with EL3 receiver. Durable design with large reception area.

GNSS COMPASS

Xsite's GNSS compass provides accurate heading of your excavator in 2D mode.

SPECIFICATIONS
Xsite PRO 3D - For Excavators

DISPLAY

Size:	8,4"
Type:	Touch / TFT-LCD
Multitouch support:	Yes
Antiglare panel:	Yes
Mounting:	RAM mount
Connectivity:	2 x USB

SENSORS

IP rating:	IP 69K
Internal heating:	Yes
IMU:	Yes
Connectivity:	CAN-Bus
High durability:	Yes

SATELLITE POSITIONING

Dual GNSS:	Yes
Constellation support:	(Multi) GPS, Glonass, Galileo, BeiDou
Correction types:	NTRIP (All vendors), Radio
Correction formats:	CMR, CMR+, sCMRx, RTCM 2.1, 2.2, 2.3, 3.0, 3.1, 3.2

FILE FORMATS

Xsite® PRO 3D supports open standard file formats:

.DXF and .XML

CONNECTIVITY

Wireless data transfer:	Yes
Remote connection:	Yes
3rd party cloud services:	Yes
Mobile data	2G, 3G, 4G (Via regular SIM card)
Other:	2 x USB (Suitable for manual data transfer)

YOUR EXPERTS WORLD-WIDE

/// MOBA HEADQUARTER
/// MOBA SUBSIDIARY

MOBA **GROUP**

The **MOBA GROUP** is a leading global player in the world of mobile automation. Close collaborations between the headquarters in Limburg an der Lahn and subsidiaries all over Europe, Asia, North and South America create new perspectives for recent and future developments.

Superior technical know-how and more than 40 years of experience combined with an international dealer network guarantee a premium support – **worldwide**. **INSPIRING MOBILE AUTOMATION** - this is what the **MOBA GROUP** stands for since more than **40 years**.

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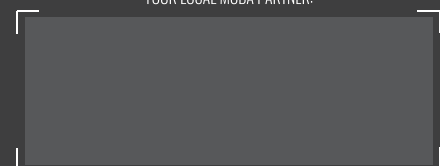A-2544 Leobersdorf / Austria
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