

# EARTHMOVING AUTOMATION

Future-Proof Solutions for Model-Based  
Infra Construction.



# WE DIGITALIZE AND ROBOTIZE INFRASTRUCTURE CONSTRUCTION

**Novatron** is a Finnish technology company focused on earthmoving automation, offering open solutions for digitalizing earthmoving jobsites and robotizing earthmoving machinery.

We develop, manufacture, and supply hardware and software to increase the productivity, quality, safety, and sustainability of the earthmoving industry.

Our products are distributed globally via a network of distributors. Our customers include earthmoving contractors, design companies, and construction machinery and equipment manufacturers.

Our headquarters is located in Pirkkala, Finland. We are a team of 140+ professionals with over 30 years of experience in construction technology and digitalized construction.

## Future Proof Construction Technologies

Our aftermarket and OEM solutions improve the efficiency and safety of any construction project and help our customers utilize modern-day technologies to help their day-to-day work.

- Machine Control Systems
- Cloud Services
- Software Solutions
- Automation Technologies
- Sensor Technologies



### Our Vision

Is to offer the best solutions for intelligent infrastructure construction.

### Our Mission

Is to help our customers succeed by improving the productivity and quality of the infrastructure construction.

# DISTRIBUTION NETWORK

## GLOBAL DISTRIBUTION, LOCAL SERVICE

Our products are distributed globally by a network of authorized dealers. Our global sales network ensures that our customers always get high-quality service from a trained, local professional.

Our distributors are authorized with our training program, which includes online and on-site installation and service training.

Our partner company's, MOBA AG's, subsidiaries are our main distributors in global markets, in addition to Hella Maskin AS in Norway and Infratugi Ou in Estonia. To extend geographical coverage, most MOBA subsidiaries also have their local dealers in their markets.



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# CORE FUNCTIONS

## OUR PEOPLE

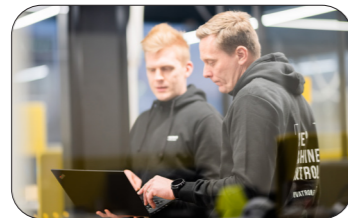
Our internal operations comprehend the whole production chain, from research to aftermarket support services. This enables us to ensure that the quality and features meet the customer's standards.

We work in close cooperation with our customers. To ensure we keep delivering pioneer solutions for the construction industry, we have some of the best industry experts working on our R&D team.



### 01 RESEARCH & INNOVATIONS

Our in-house research team studies and develops new technologies and innovations to enhance digitalized construction. We are actively involved in various joint research projects.



### 02 SW & HW DEVELOPMENT

Our R&D develops software and hardware for our machine control products, cloud services, and desktop software. Our BIM experts are a part of our product development team.



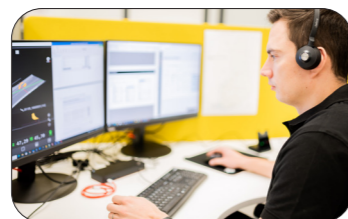
### 03 PRODUCT MANUFACTURING

To guarantee the best quality for our customers, our products are manufactured in our own production facilities in Pirkkala, Finland.



### 04 SALES / DISTRIBUTION

Our products are sold globally by a network of distributors. Domestic and OEM sales are handled by our own sales team.



### 05 CUSTOMER SUPPORT SERVICES

In our field of business, customer support is the key to success. We offer support services to end customers in Finland as well as product and BIM support for our distributors globally.

# DRIVING THE CONSTRUCTION INDUSTRY FORWARD

## RESEARCH | CO-OPERATION | STANDARDIZATION

Dedicated to drive the construction industry forward, we actively contribute to EU research projects and collaborate closely with universities to share our knowledge to future industry professionals. Our recognized expertise has positioned us at the forefront of ISO standard development and other standardization projects for model-based construction.

As the founding partner of the infraBIM Open seminar, we share the best practices for using digital technology in infrastructure construction.



#### Research projects (EU)

- Swarm, MORE, STREAM

#### University co-operation (FI, JP, SWE)

- Model-based construction and BIM-coordinator courses

#### Standardization (ISO TC 127)

- ISO 15143-4 -standard for data management in construction

#### Founder of InfraBIM Open -seminar

- Global event for sharing best practices on model-based construction  
Visit: [infrabimopen.com](http://infrabimopen.com)

#### Co-operation with buildingSMART

- Active role in buildingSMART organizations

#### EU Research Project Descriptions

**SWARM:** Autonomous Low-Emission Swarm of Infra Construction Machinery

**MORE:** Artificial Intelligence driven Robotisation, Energy Efficiency and Process Optimisation

**STREAM:** On-track machines to conduct multi-purpose autonomous operations, and modular active exoskeletons to reduce the risk of injury by assisting workers in heavy activities.



# XSITE® PRODUCT FAMILY

3D MACHINE CONTROL | CLOUD PLATFORM

## Future-Proof Solutions Designed for Model-Based Construction

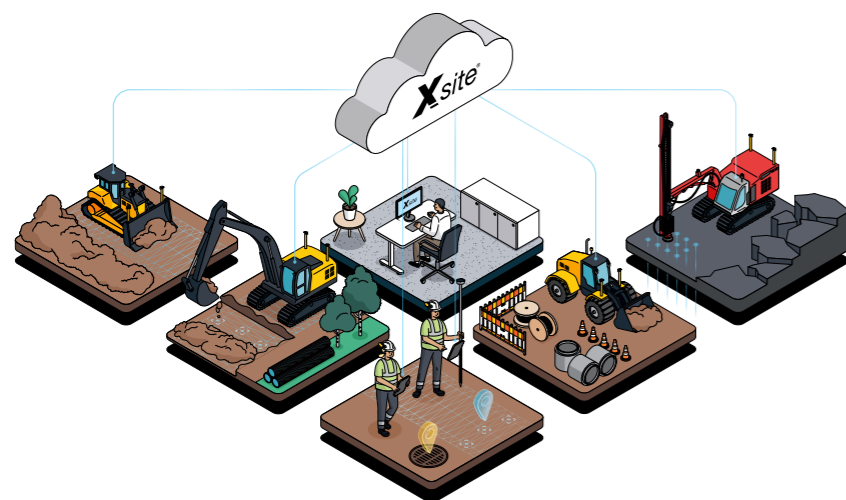
From the office to the field, Xsite® products improve any earthmoving or construction project's quality, productivity, and safety.

Our machine control systems assist the machine operators in attaining the target plane at first go and enable accurate documentation of what has been built.

Xsite's cloud platform, Xsite® MANAGE, enables real-time data sharing with all project stakeholders, making it easy to update plans and analyze data collected from the work site.

## Model-Based Workflow with Open Data Formats

Thanks to Xsite's native support for open data formats, you can use the CAD software of your choice and share your designs with the operators on the field without format conversion or data loss via Xsite MANAGE!



*Xsite® Machine Control systems include solutions for dozers, excavators, backhoes, wheel loaders, surface drills and for surveyors/site managers.*



# 3D-WIN -SOFTWARE

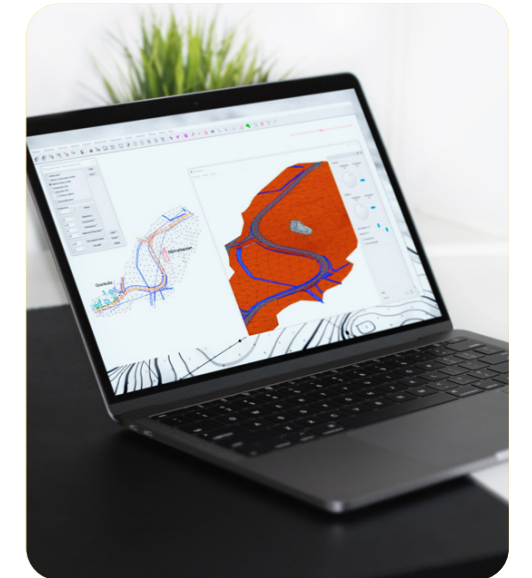
DESKTOP SOFTWARE FOR PROCESSING SURVEYING DATA

## Multi-Tool for Geospatial Professionals

3D-Win is a well-known, market-leading multitool for geospatial data professionals in Finland.

3D-Win is a high-standard desktop software for surveying, geospatial, mapping, and planning. 3D-Win, with its add-on parts, is designed to cover all the needs of spatial information professionals, from land surveying to ready-made 3D designs.

Thanks to the comprehensive inspecting, editing, and calculation features, 3D-Win suits the needs of various industry professionals.



*3D-Win software is only available in Finland. Contact our experts for alternatives available on your market.*

# OEM TECHNOLOGY

SYSTEMS | SENSORS | AUTOMATION | SOFTWARE



## Solutions for Rough Environments

We supply systems, software, sensors and automation technology for different machine manufacturers around the world.

Our industry-proven components are used widely by the construction industry in many OEM applications, such as measuring the tilt angle of a bucket rotator attachment on excavators.

Our semi-automation solutions are used by one of the biggest machine manufacturers to offer their customers the "machines of tomorrow."

# NOVATRON

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[novatron.fi/en](https://novatron.fi/en)