One Software for All Machines

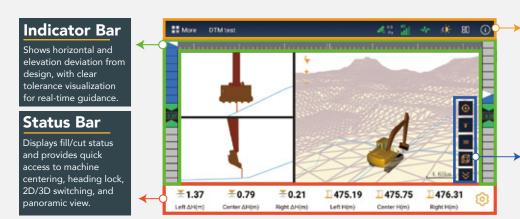
Manage excavators, bulldozers, and graders with a unified intelligent control platform.







Onboard Guidance Monitor



Key Features



e elevation offset during construction process,



1	Track work performance
	with the work trajectory
	function. Share work
	trajectories with others, and
	customize the trajectory
l	color to suit your needs.

ettings, system men fset and reference l

ggling 2D/3D or noramic display.

Multi-T	ype Tasks							
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Supports file import in .xml, .dxf (view-only), .sjw, .ttin, and .road formats. Create flat surfaces, slopes, and trenching tasks manually, and deploy design files remotely via the HI-SITE platform.

Technical Specifications

Satellite System



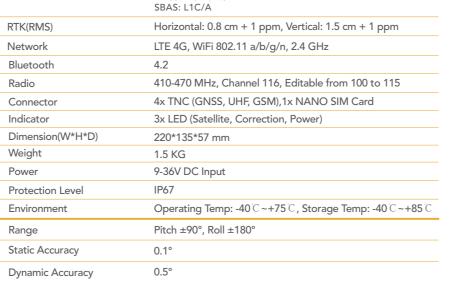
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TD1

	System	Android 11.0 / 9.0 (for Excavation Guidance System)		
	Display	10.1" 5-Point Touch		
	Resolution	1280×800p / 1024×600p (for Excavation Guidance System)		
	Dimension(W*H*D)	281*181*42 mm		
	Weight	1.5 KG		
	Power	9-36V DC Input		
	Satellite System	BDS: B1I/B2I/B3I/B1C/B2a/B2b GPS: L1/L2/L5/L6 GLONASS: L1/L2		

GALILEO: E1/E5a/E5b/E6

11
1100
56

MC101 Receiver







	Dynamic Accuracy	0.5°
0	Dimension(W*H*D)	11*8*4 mm, 14*8*4 mm
1 IMU	Weight	0.4 KG
1 11410	Protection Level	IP68
_	Band	1164 MHz~1300 MHz, 1525 MHz~1615 MHz
10	Connector	TNC
	Dimension(W*H*D)	156.2*140*55.5 mm
	Weight	634 g
Antenna	Protection Level	IP67

SATLAB

Stora Åvägen 21, 436 34 info@satlab.com.se

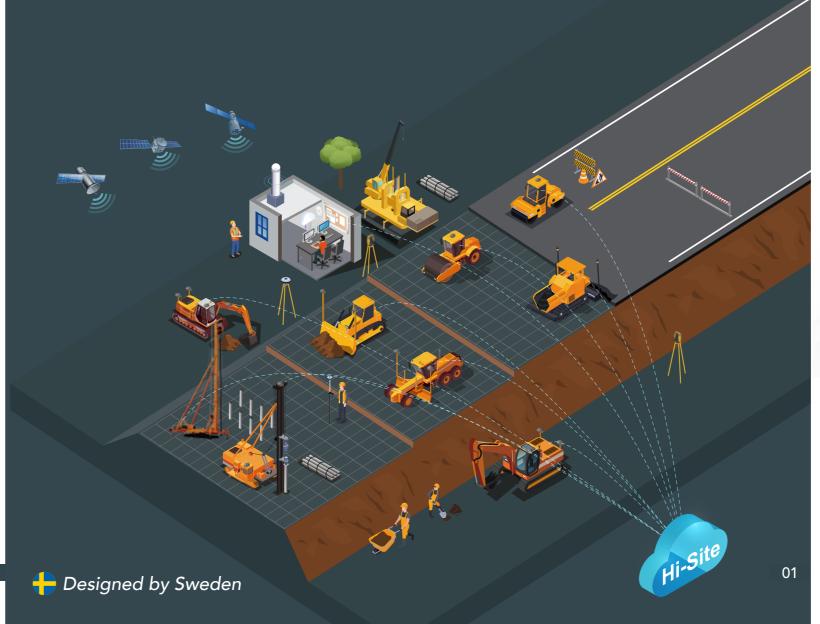
Warsaw, Poland Jičín, Czech Republic Ankara, Turkey Scottsdale, USA



SATLAB

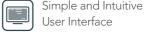
Machine Control Solution

for Earth Construction



Industrial Smart Solution

Empower your machines with intelligent control solutions











Earth Construction

Streamline Your Workflow

Offering a complete range of high-performance control systems, from excavators to pilers and drillers, these intuitive systems are user-friendly and fully customizable to meet various application requirements. The fully digitized equipment integrates to bring the field to the office, reducing rework and increasing efficiency and profitability.

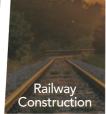
With a series of high-precision GNSS receivers, angle sensors, compaction sensors, and temperature sensors installed on the equipment, the system uses advanced algorithms to calculate high-accuracy target coordinates from various real-time data sources, assisting and guiding operators effectively.

- Higher Efficiency, Lower Cost -----

Comparison	Time	Fuel	Productivity	Rate of Improvement
ECS-E30	29'42"	11.17 L	147.67m³/hr	179.82% 🗡
Traditional Excavator	54'48"	20.09 L	82.12 m³/hr	















Excavation Guidance System

ECS-E30

— Maximize the performance of the SatLab ECS-E30 with high-precision positioning and 3D visualization technology to reduce rework and increase efficiency. The system features user-friendly software that allows operators of any skill level to work faster. Even on the most complex excavation projects, the software's visualization helps users work in low-visibility areas, such as underwater or at night.



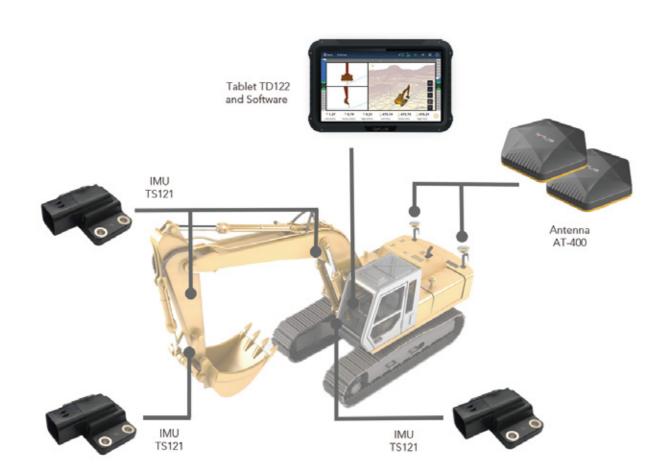
Full Constellation Centimeter Level Accuracy



6-Axis Sensor



03



Bulldozer Control System

10 Hz Refresh Rate

ECS-D60

— Combined with the grader, the SatLab ECS-D60 system is another essential tool for your projects, enabling efficient coverage and precise control to maximize productivity. With a comprehensive project overview, the system reports the quality of the job area and provides analytics of the sampling points.



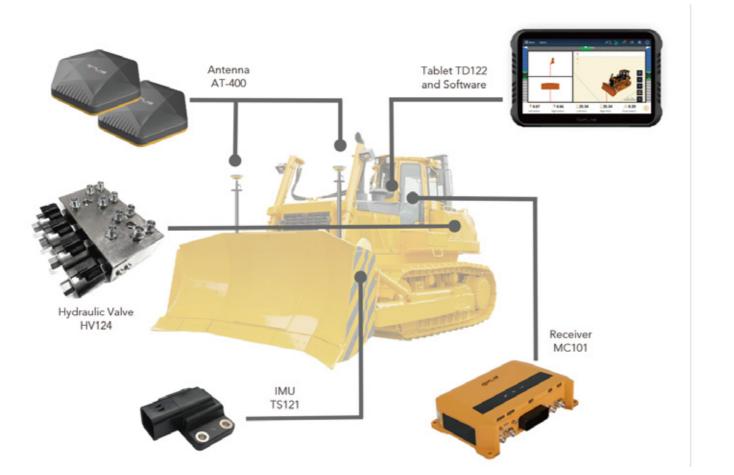


Display Pass Track





Rugged Antennas, Satellite Tracking Bases, and Cables



Grader Control System

ECS-G60

The automation of machine control ushers in a new era of grading. The SatLab ECS-G60 integrates the latest in GNSS grade control, digital terrain models, and real-time data processing to enable the grader to achieve accurate grading with minimal manual intervention. This ensures quick construction adjustments, reducing material waste and operating costs.



Heading Accuracy





Blade Control





Visual Guidance



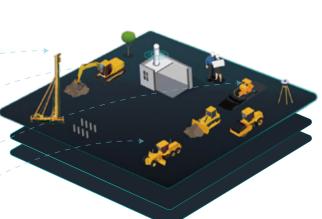


From Field to Cloud The Complete Software System

SatMC

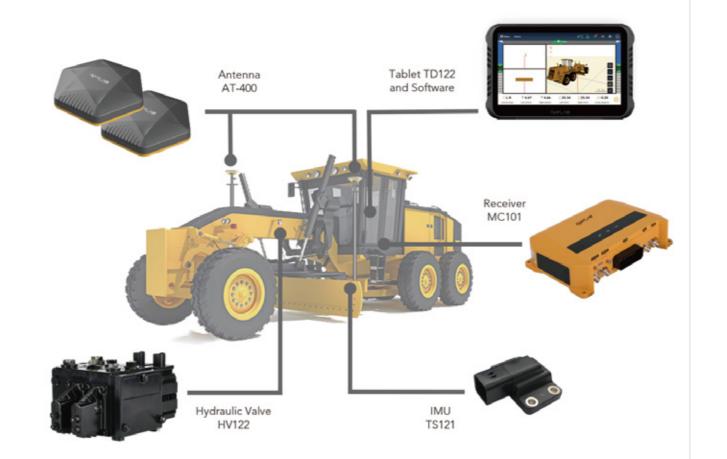
Onboard Software

SatMC is the core software for SatLab's machine control system. With a user-friendly interface and powerful project features, it supports seamless integration with SatLab receivers and total stations. One-click project file sharing and intelligent functions streamline construction workflows and boost on-site efficiency.



Cloud Platform

The cloud platform leverages IoT, mobile internet, cloud computing, BIM, big data, and AI to digitally manage all elements on construction sites. This enables lean construction methods and significantly enhances management efficiency for all stakeholders, including contractors and regulatory authorities.



System Settings Please select the appropriate solution





3D Design Data Settings CAD Plan Settings • Localization File Settings

GNSS Correction Information Settings

Device Information

Operating Status

- Construction Machinery Information
- Remote Construction Monitoring
- Historical Data Download

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