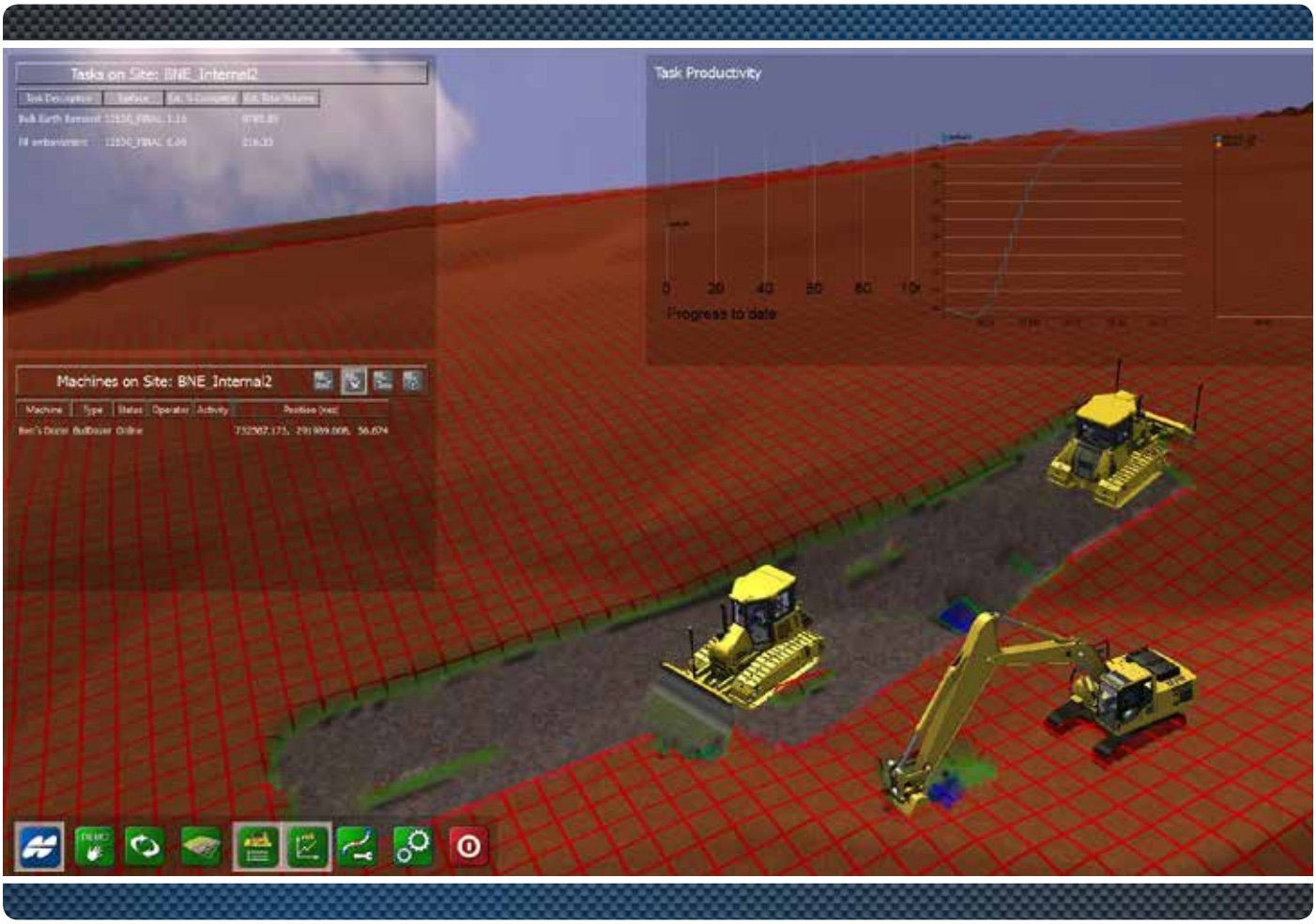
Sitelink3D™ Enterprise

TOPCON

Real-time 3D Planning, Scheduling and Reporting



- Job Site Productivity Reports
- Job Site Progress Reports
- Volume and Haul Reports
- Job Site Planning
- Real-time 3D Visualizer Tool

Sitelink3D™ Enterprise Real-time 3D Planning, Scheduling and Reporting

Your virtual job site just one click away.

Enterprise is a Sitelink3D module where you can plan, schedule, setup tasks for machines and get reports—all in real-time. It is accessed through the standard Sitelink3D.net web portal, a powerful and intuitive interface between your job sites and offices.

Before a project starts you can setup a complete plan and schedule for the different production phases. You assign a task area, machines, specify production and quantity data, and add dependencies. Enterprise easily creates Gantt charts for quick and easy review of all the phases.

After planning is completed, scheduling is defined per task. You can assign more machines, dependencies, required survey time, and more for every task on the project. Earthmoving machines and field crews equipped with Topcon 3D machine control or survey equipment can automatically receive their assigned tasks, speeding up workflow and eliminating possible data errors.

Once a task is accepted, real-time data is sent to Enterprise and the job data is instantly updated. Progress will be visible in the office, on machines, and on survey equipment. Data from machines and field crews which do not have Topcon equipment can also be entered into Enterprise.

Reporting can be customized to fit the management needs of your organization. Volume, haul truck, compacting, task progress, or a set of task reports can be set for automated email delivery on an hourly, daily or weekly basis in PDF format.

Sitelink3D.net

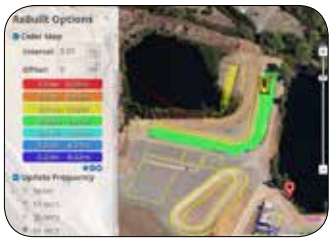
- Intuitive web browser interface
- Visualization tool
- Create new users and machines
- Multi-platform: computer, tablet or mobile device

3D-MC Control Box

- Task progress
- Map view
- Task view

Volume and Haul Reports

- Volume reports, tasks, and project
- Volume reports by type of material
- Average cycle and waiting times
- Number of hauls and volume reports



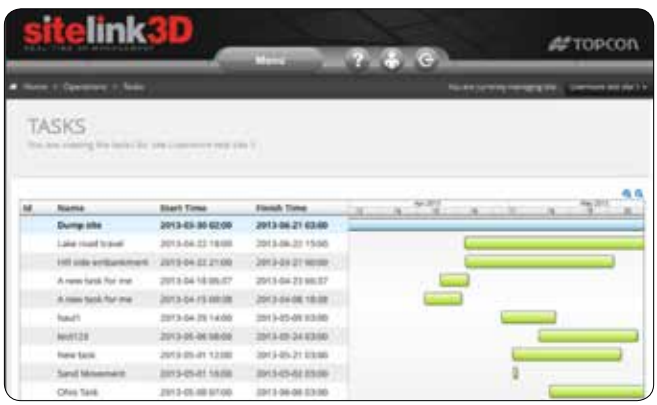
As-Built Overview

- Real-time as-built mapping
- Scalable Interval
- Selectable update frequency

Project and Machine Dashboards

In Enterprise dashboard view you can visualize a machine, group of machines, a task or groups of tasks in real-time, or in hourly, daily or weekly averages. The machine visualization includes actual task, 3D model, offset, operator, activity, and additional information displayed as text. Pie charts are available for operation mode, pass counts, and GNSS position. Production rate is projected in a line chart.

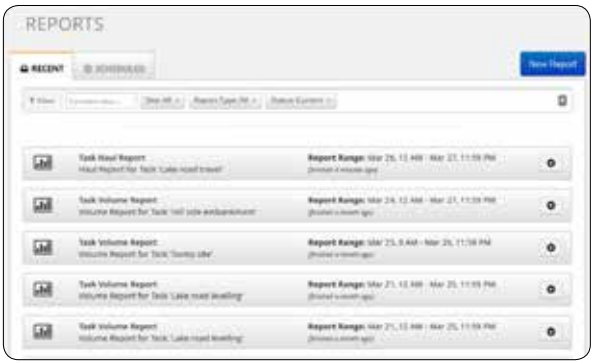
Task visualization includes name, type, materials, volume, as-built layer, cost code, and more displayed as text. Line charts are available for production rate versus target, actual progress versus planned, and forecast based on actual versus planned.



PRIMARY FEATURES

Task Dashboard

- Real-time task and project data
- Filter currently active tasks by group
- Line charts for forecasts, productivity rates and actual progress



Reports Dashboard

- Print
- Export
- Schedule

Machine Dashboard

- Real-time machine data
- Filter machines by task, type, and more
- Pie and line charts for productivity rates and activities

Haul Truck – HT-30

With Topcon's haul truck application you can connect all dump trucks, scrapers, and rigid trucks in real time to your office. Monitor load counts, volumes, load/dump locations and create hourly, daily, or weekly reports from all the trucks connected on your site.

SL-100 KIT COMPONENTS

- SL-100 Control Box
- MC-R3 Ethernet Cable
- MC-R3 Power Cable
- SL-23 Antenna
- Manuals
- Deutsch Connector*
- Deutsch Connector Boot*

* Optional for Excavators

Sitelink3D™ Enterprise

SL-100

The rugged SL-100 box houses the SL-R3 Sitelink3D radio modem. It easily connects to the on-board Topcon 3D-MC system giving the equipment and operator full connectivity to the customer's entire Sitelink3D network.

Features include:

- Compact, construction-tough communications gateway
- Sitelink3D job site connectivity
- WiFi access point functionality
- *Bluetooth*® connectivity

General	
Supply Voltage	9-32VDC
Housing	Cast Aluminum
Dimensions	164 x 160 x 64mm
Weight	2.2 lbs (1kg.)
Operating Temperature	-30ºC to +70ºC
Dust/Water Protection	IP67
Ports	
RS-232	
10/100 Ethernet Port	
CANOpen® Port (50Kbps to 1Mbps)	
CAN J1939 Port (50Kbps to 1Mbps)	
Communications	
GMS/GPRS 850/900/1800/1900 MHz	
HSxPA 800/850/900/1900/2100 MHz	
Mesh Networking 802.11s at 400mW (100mW in Europe)	
802.11b Access Point with 64bit WEP encryption	
Bluetooth® Class II	
Connectors	
Deutsch DTM06 12 pin - Power, Ground, Serial	
Deutsch DTM06 12 pin - Ethernet, CAN	
RP-TNC - Cellular/Mesh radio antenna	
TNC - GNSS or LPS antennas	

For more specification information:
www.topconpositioning.com/sitelink3d

TOPCON'S ADVANCED TECHNOLOGIES

Machine Control

Topcon's line of advanced machine automation technologies.

3D-MC² Dozer

Traditional finish grading with a dozer took multiple passes at slower speeds. Existing 3D-GPS machine control allowed operators to double their production. 3D-MC² uses revolutionary technology to reach an unbelievable new level of performance: four times faster than a standard dozer, two times faster than any 3D dozer. One dozer doing the work of two 3D dozers; think of the money you will save.

X-63 Excavator

X-63 combines the advantages of our industry leading GNSS technology together with our industry standard operator interface.

Topcon's X-63 consists of two GNSS antennas, four 360° tilt sensors that measure the angles between the cab, boom, stick and bucket, a GNSS receiver and Topcon's GX-60 color, touch screen control box.

Sitelink3D™

Sitelink3D is a complete site communication system providing data control, machine tracking and a reporting system in one solution. With Sitelink3D, Topcon expands its highly advanced machine control systems to include remote machine support, job file transfer and real time project management information.

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