

# Topcon Software

Your Work Connected



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# Topcon Software Suite Field, Enterprise and Office

The construction industry is looking for new solutions to reduce the billions of dollars lost each year due to inaccurate and incompatible project data leading to rework and collaboration breakdowns.

Topcon software suite addresses this need by streamlining workflows for contractors, surveyors, modelers, estimators and project managers across each stage of a construction project. When combined with our state-of-the-art instruments and machine control, this field, cloud and office software suite enables users to create and access the right data, in the right place, all the time.

The Topcon software is a comprehensive, connected and compatible solution that closes the gap between the survey and construction industries.



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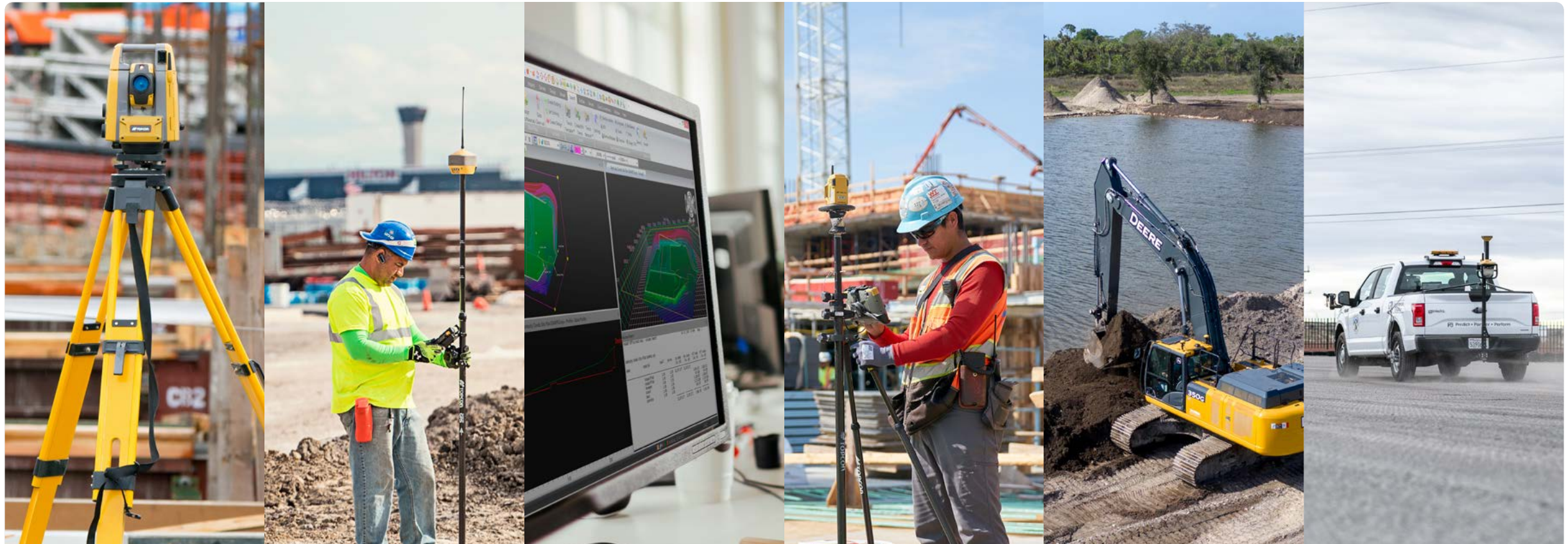
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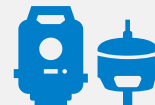


Topcon software provides end-to-end infrastructure workflows.



### Earthmoving and paving

Improve earthmoving and paving machine-control efficiency by quickly creating machine-ready constructible models and estimates to win more projects and save on materials. Topcon software maximizes your data and resources from earthworks to concrete, asphalt paving and resurfacing applications.



### Stakeout and surveying

Create highly productive workflows for stakeout and gathering survey and construction-location data in the field. Seamlessly transfer that data to the cloud and create finished digital terrain deliverables in the office. This connected workflow approach delivers successful and collaborative outcomes from initial field surveys to the finished project.

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## Connected

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A connected approach to your projects includes seamless field-to-office collaboration with one set of plans that are always up to date across the project team. Integrated field, office, machine, instrument and third-party software keeps your project team connected. That way they are on the same page and working more efficiently together toward a productive and profitable outcome.

## Compatible

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Seamless integration eliminates boundaries, data silos and the limitations inherent in mixed-fleet situations, providing a totally compatible solution that just works. This makes it possible to combine drawings in multiple formats—including third-party data via a field-controller device or office software—with minimal conversion effort or data loss.

Topcon software is compatible with more than 50 industry-standard drawing formats. Those formats can be imported to enable a jobsite to work with compatibility from survey and layout to machine control.

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## In the Field

Topcon Field for Increased Accuracy and Efficiency

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# Topcon Field is your engine to field productivity

This intuitive software is easy to learn and use and yet has the power to solve even the most complex positioning challenges. Surveyors and contractors alike use Field to collect data points, stake out road and site projects, lay out building components and perform land surveys.

## Field-based data management

The growing trend is for field personnel to handle data like control points, construction drawings, quality reports and as-built documentation directly from the field controller. In many cases, this can be done without the need for office software. Quickly set up your projects; store the information you need; share your daily work instead of sending the whole file back and forth each day; and securely back up the data to the cloud.

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# Topcon Field Highlighted Features



## Easy to use and learn

Efficiently lay out and measure with dependable workflows that are easy to learn and use. Field menus can be customized to display only the necessary commands, including everyday terminology for your field crew.



## 3D layout

Create 3D layouts with a BIM interface that enables multiple floor views including filtering by level using the popular IFC file format. Create object-insertion points to lay out 3D objects directly in the field software.



## Data handling

Display project data faster and handle larger and more complex jobsite files using 3D viewing and filtering. Field users can lay out and collect points on even the most complicated infrastructure projects.

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# Topcon Field Highlighted Features



## Professional field-based, quality reporting

Create professional reports and notated photographs directly from the field to immediately share positioning accuracy, tolerances and observations. Improve documentation to reduce the high cost of rework caused by undiscovered inaccuracies, poor data and miscommunication.

## Map-based workflows

Avoid lost time switching between screens thanks to flexible workflow options controlled directly from the map view. Workflow options include staking project data, adjusting layer settings, displaying backgrounds, adding data levels, viewing GNSS settings and showing visual offsets.

## Hybrid GNSS and total stations control

Hybrid technology includes a simultaneous connection to GNSS and optical sensors while the software optimizes measurements between the two technologies. This significantly increases productivity by allowing users to accurately capture points with fewer total-station set-ups even when the line of site is lost.

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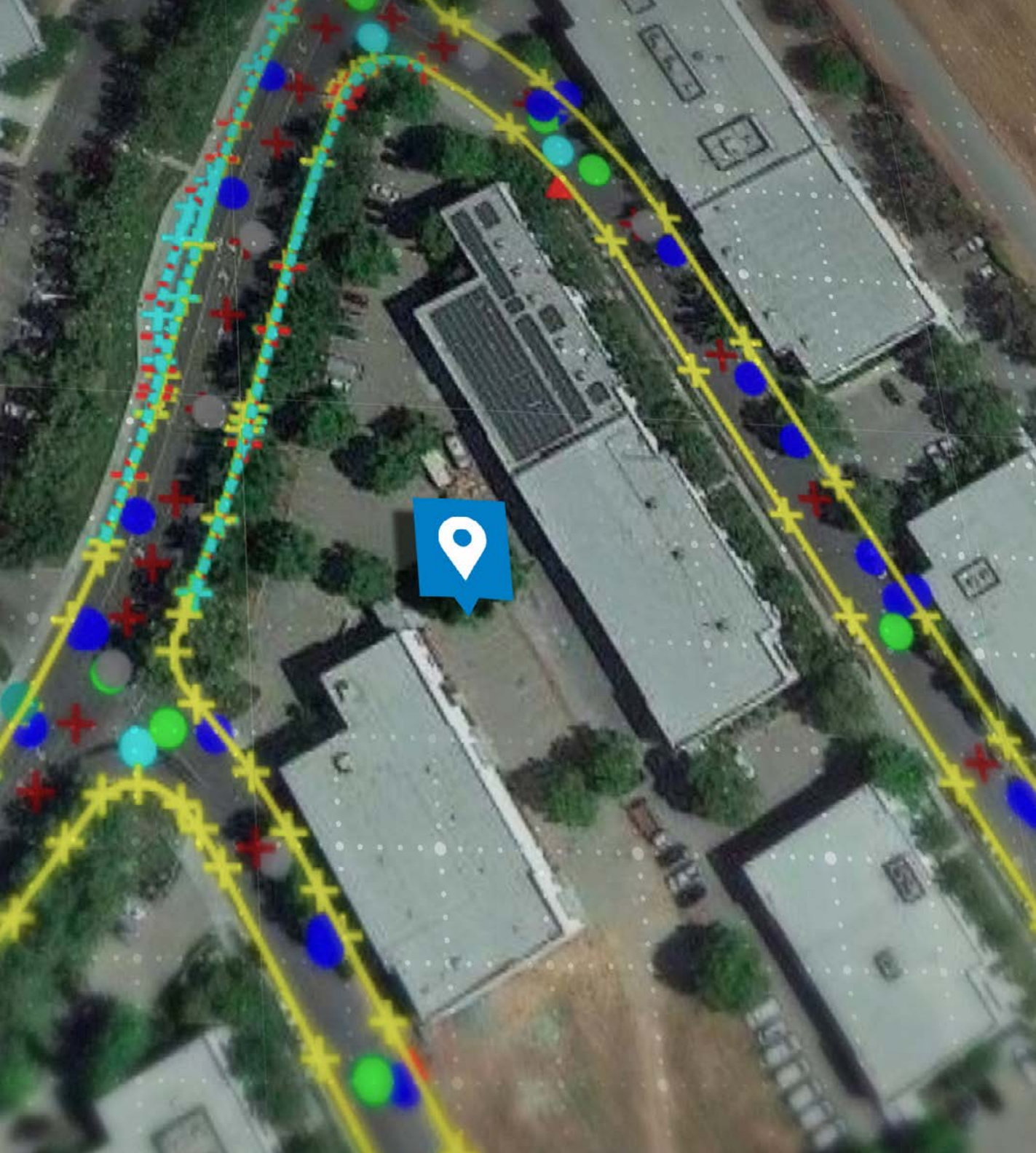
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## In the Cloud

Topcon Enterprise for Efficiently Managing Geopositioning Data



## Topcon Enterprise

Store data and insights for access by field crews, machine operators and office team members using Topcon software, Sitelink3D, Autodesk or Bentley solutions. This web service provides seamless field-to-office connectivity for your projects, making a real-time connected data environment possible. Project data is saved to the map, and files can be instantly converted and shared with a field controller or machine. Enterprise improves productivity and minimizes downtime and do-overs by providing the entire project team with increased accessibility to accurate and consistent cloud-connected geopositioning data.

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# Topcon Enterprise Highlighted Features



## All your projects on a web interface map

Connect the digital and the real worlds with a visual map of your project datasets directly georeferenced to the earth with background maps.



## Cloud-based data management

Keep the entire project team working on the latest plans, and benefit from single-click data conversion to share survey and constructible models directly to instruments and machines on site.



## Real-time collaboration

Annotate or redline the map or plans in the cloud browser to directly transfer instructions or notes to keep your field crew working at maximum efficiency.

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# Topcon cloud integrations

Give your project team greater access and visibility to geopositioning cloud-connected data, whatever its format or source.



## Sitelink3D machines

Send machine models and design sets directly to the site; manage tasks and metadata; remotely control 3DMC machine settings; and view machines in real-time, all while working directly and conveniently from within Topcon Office.



## Topcon Exchange for Autodesk®

Topcon Exchange for Autodesk® installs a ribbon within the Autodesk® AutoCAD® and Revit® environments to create Topcon-proprietary machine-control or survey file formats, which can be transferred directly to the field via the cloud. The executable utility can be downloaded at myTopcon, and the user will need a Topcon Enterprise connection to enable functionality.



## Autodesk®

Autodesk® BIM 360 document files and project folder structures are directly accessible from the Topcon software suite in the field and office.



## Bentley

Bentley ProjectWise files and project folder structures are directly accessible from the Topcon software suite in the field and office.

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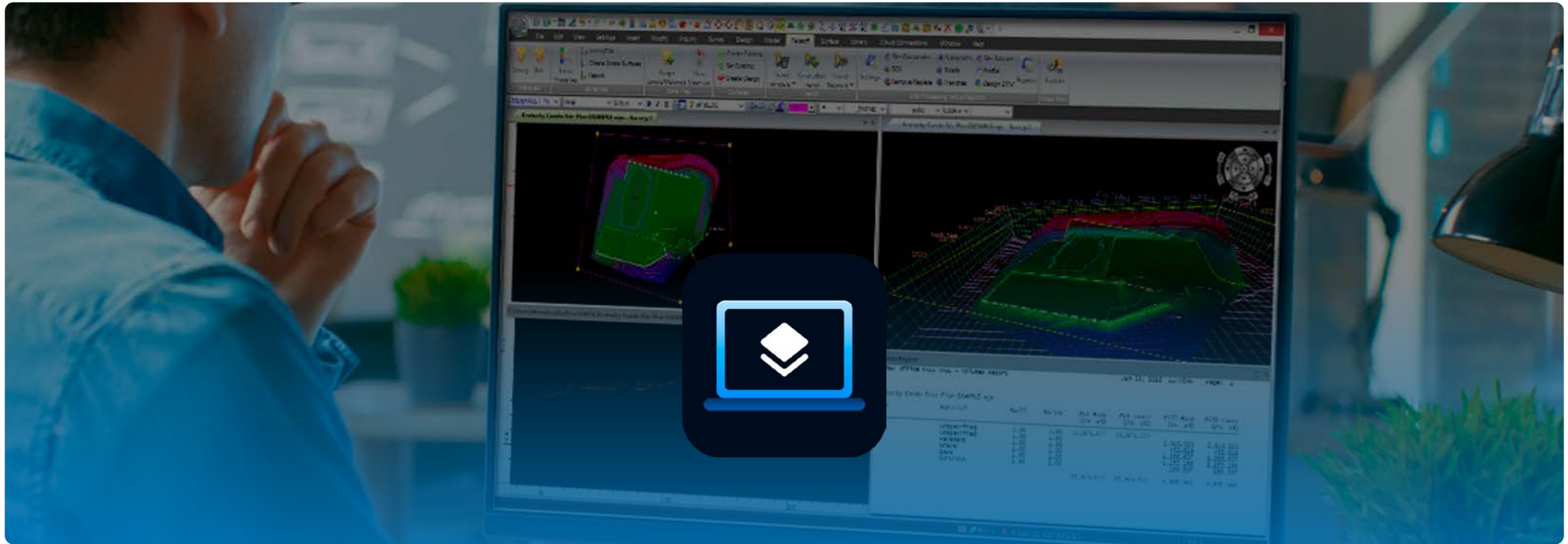
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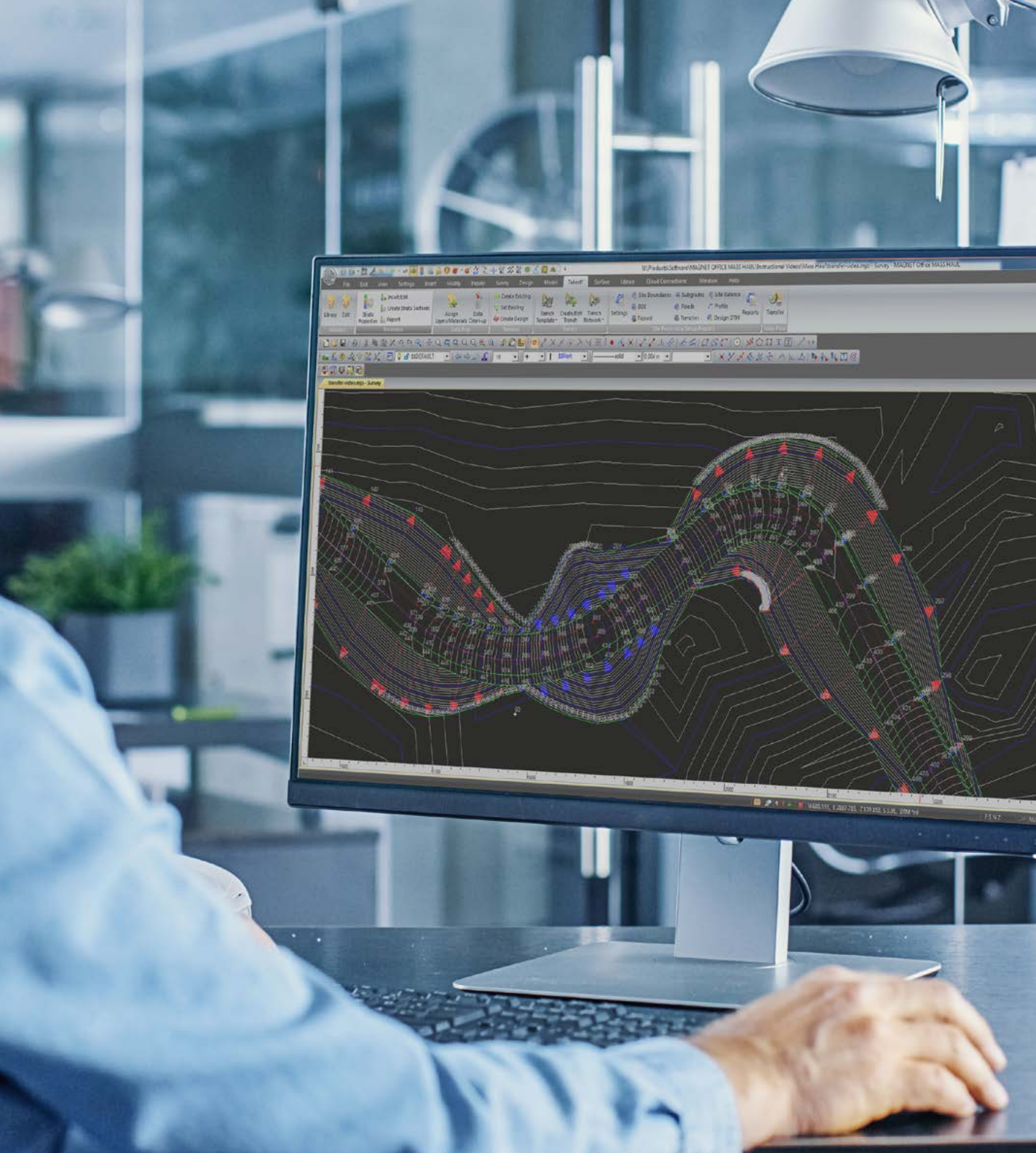
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## In the Office

Topcon Office and Topcon Tools for Productive and Profitable Workflows



## Topcon Office

Stay in charge of your project data set. This office-software companion to our field-productivity solutions handles the data import-and-export needs and provides project insights for better site management and improved profitability. You can optimize digital-infrastructure workflows, including machine-control models, material takeoffs, final survey deliverables, point-layout files and paving resurfacing design.

These capabilities make Topcon Office particularly well-suited for earth-moving, paving and surveying applications.

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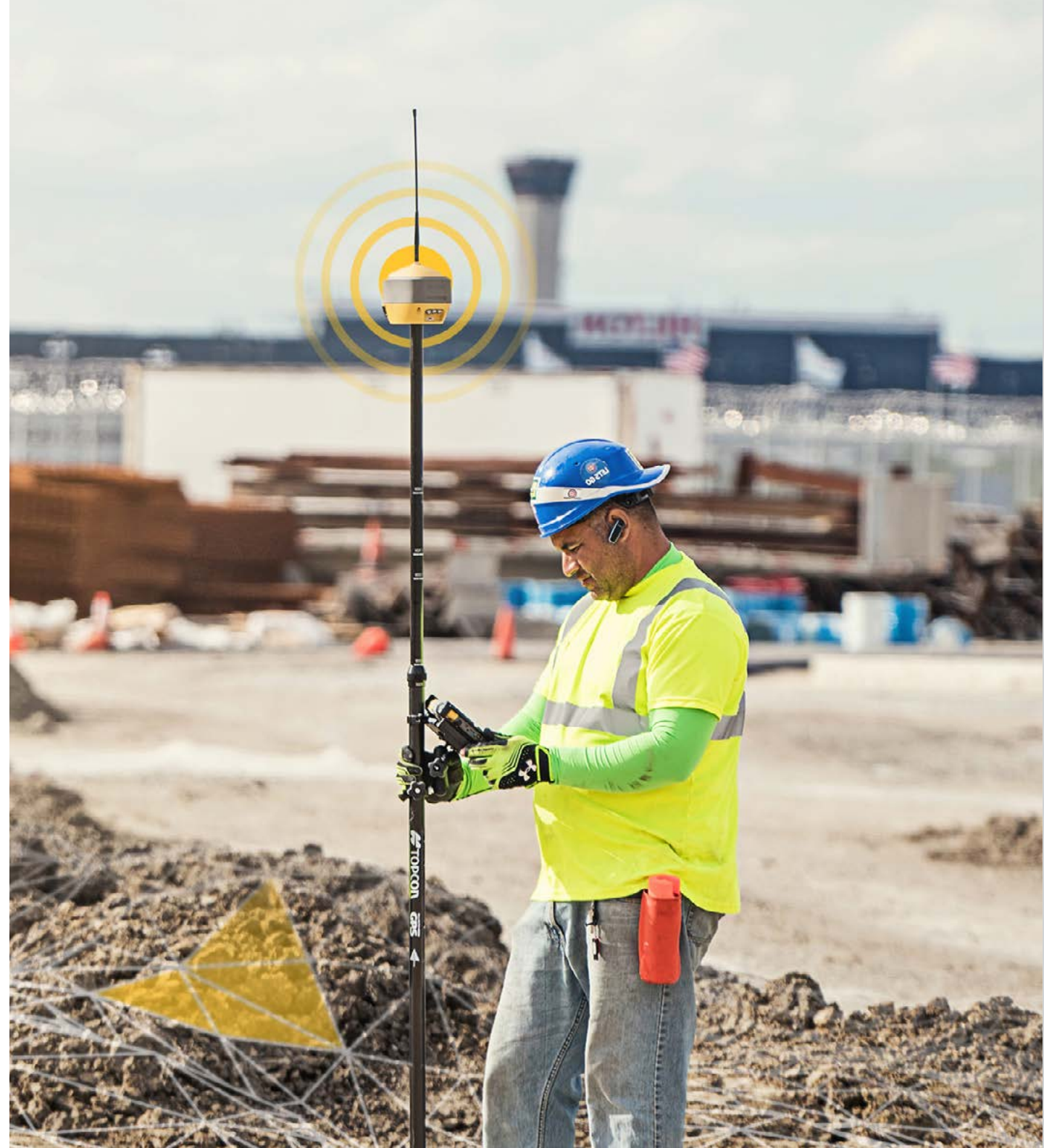
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# Constructible digital terrain models

Topcon Office software enables you to efficiently combine plans and survey data to build machine-and-instrument-ready constructible 3D digital-terrain models for sitework, corridors, roads, paving and trenching. Digital terrain models created in Topcon software can be directly transferred to machines, field personnel or project stakeholders for a better-connected project team. Triangulated digital-terrain models provide a data-efficient physical project representation making it possible to create topographical maps, extract cut-and-fill volumes, and provide progress reports for a bill of quantities, planning and scheduling.



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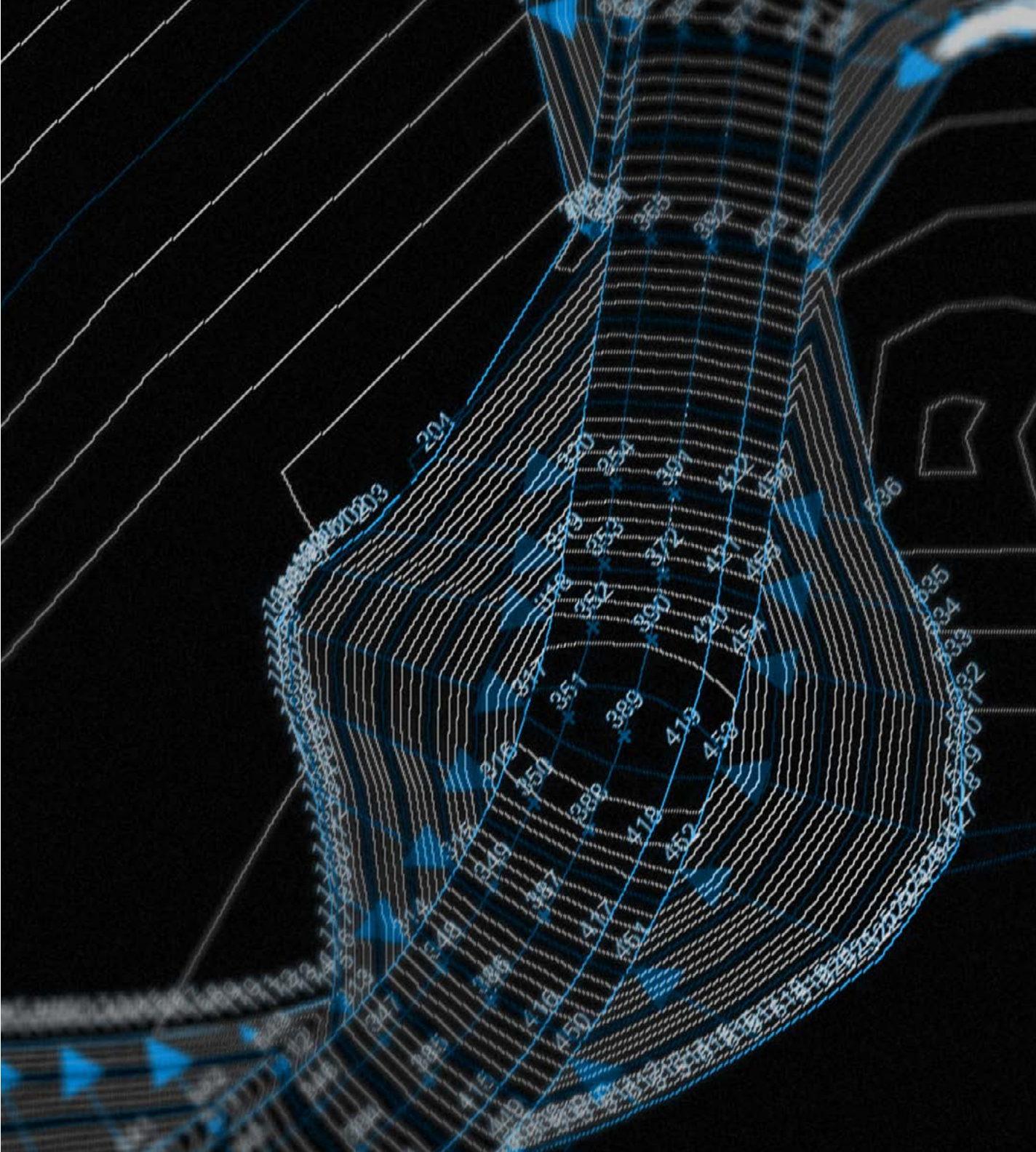
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# Digitize workflows with ease

Even if you are just starting your digitization journey, you can quickly work with improved machine control files, convert estimation methods from paper to 2D or 3D models or efficiently create survey deliverables. Digitize your everyday tasks, including setting up points for layout, converting PDFs to CAD files and calculating takeoff volumes.



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# Topcon Office for Earthmoving and Paving

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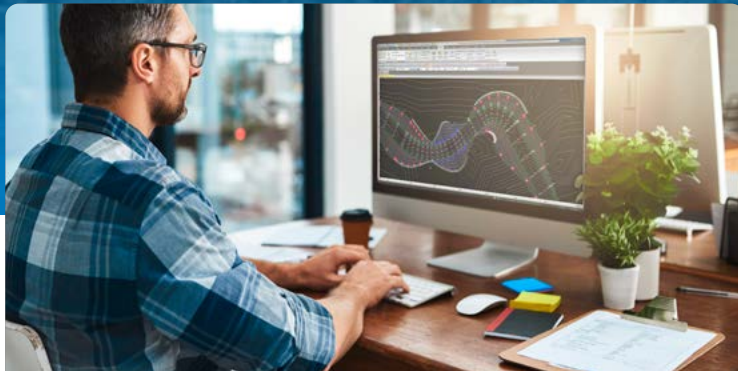
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## Model building, estimating and data preparation

Bring your construction plans to life with precision. Enter site-specific construction materials; quickly build design surfaces; create cost and volume reports; and develop 3D models. Bid and manage each project—including site work and large-scale road work—quickly, accurately and successfully.



## SmoothRide asphalt resurfacing workflow

Topcon's easy-to-use digital-resurfacing design tool is designed for paving or milling projects. Quickly produce cross-slopes, transitions, smoothing, milling, lifts and IRI (International Roughness Index) calculations and send design files directly to the field.



## Concrete paving machine control files

Create alignments for curb and gutter applications, or simply convert and clean up design data so it's ready for construction. Preparing machine-control files in-house gives you more flexibility and makes you more responsive, keeping your field crew at top efficiency.

# Topcon Office for Stakeout and Surveying



## Survey data post-processing

Topcon Tools lets you post-process and adjust field-survey data collected from total station and GNSS equipment. It also lets you visualize field work in Google Earth™ and directly export the data to popular 3D CAD software.



## Topographical map making

Topcon Office includes specific tool sets for survey and drafting, including creating finished survey CAD deliverables. Prepare and share your survey data for civil engineers, land surveyors or machine operators in the field.

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## Collage Office & Collage Web

Process, combine and analyze multi-source point cloud data from traditional survey instruments and reality capture laser scanners, mobile mapping systems and UAVs. Easily export to industry-standard modeling or CAD software or directly publish online with Collage Web for improved collaboration among stakeholders.

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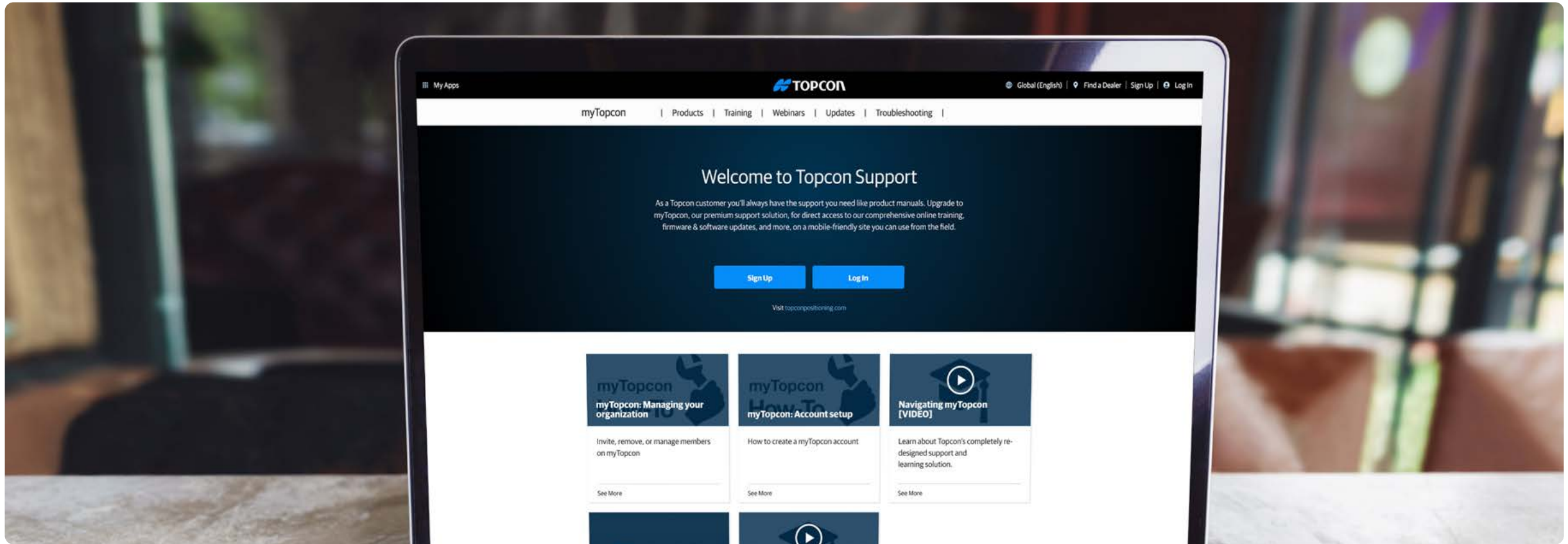
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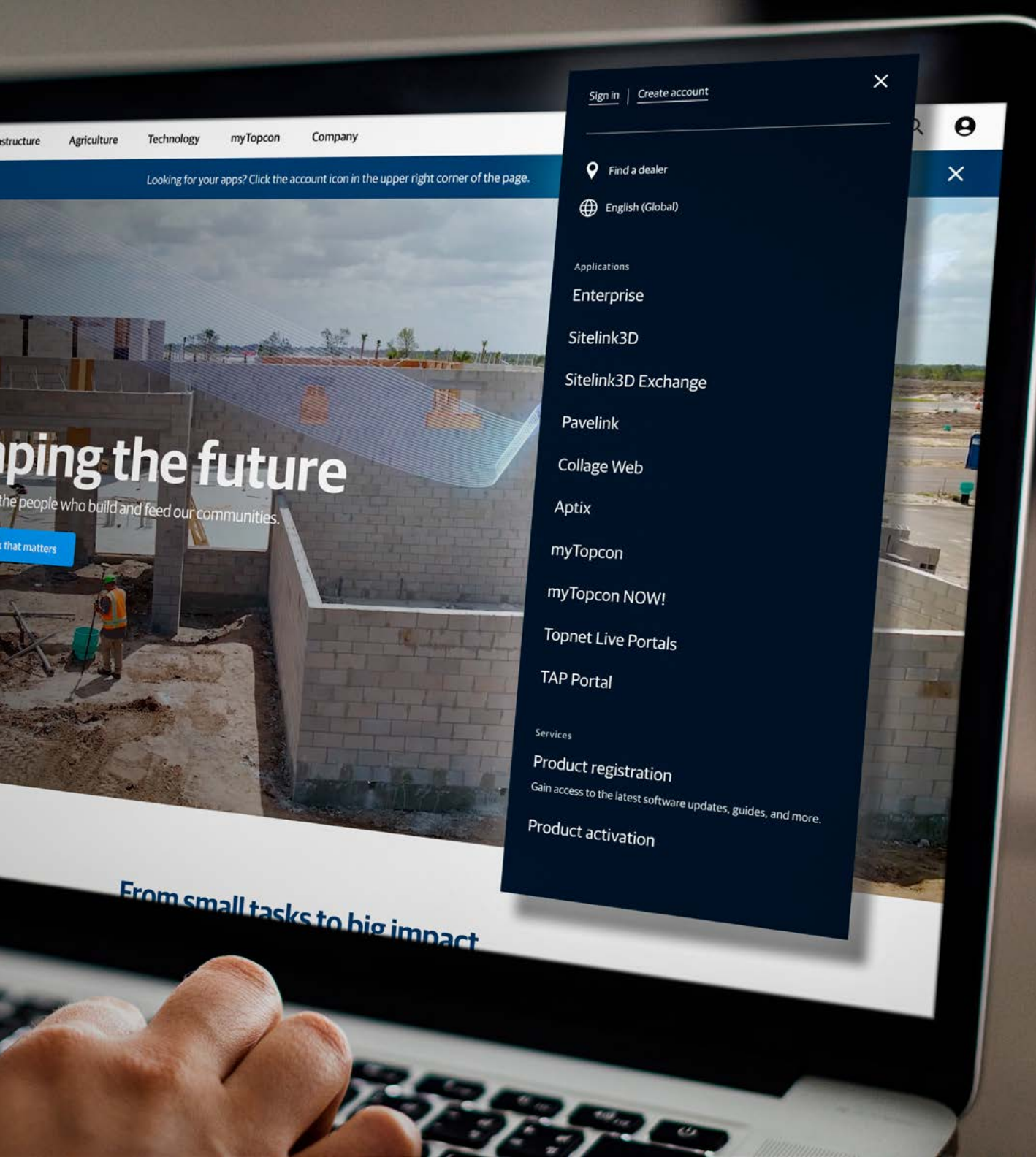
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## Getting Started

Get started by selecting the configuration needed for your project. Whether you “test drive” or purchase, you will benefit from our training content which is designed to maximize your experience and enhance your productivity.



## Topcon Software Trials

If you would like to try the Field software or the complete Office software without limitation, contact a Topcon dealer for a 30-day trial license. Current Topcon Software users who want to try out Topcon Enterprise can find the cloud service directly on the Topcon website within the account menu in the top right corner. Topcon Enterprise connectivity is included with a subscription or active license service package for Field or Office.

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# License Options

Topcon Field and Topcon Office are available as either a subscription or permanent license. Subscriptions to Topcon software offer benefits like transparent budgeting with low initial costs and access to the latest features in each software release. We offer a subscription manager to streamline administration and avoid any lapses in your subscriptions.



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# Topcon Field Offering



## Field

Data-collection software

**Operating System:** Windows® 10 or 11

**Subscription includes all modules:**

- Robotic total station
- Manual total station
- GNSS module (includes mmGPS)
- Roads module
- Piping & trenching module
- Hybrid-positioning module
- Scanning and imaging module
- Topcon Enterprise cloud connectivity

**Operating System:** Android™ and iOS

**Subscription includes all modules:**

- Robotic total station
- Manual total station
- GNSS module
- Hybrid positioning module
- Topcon Enterprise cloud connectivity



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# Topcon Enterprise Offering

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## Enterprise

Cloud-based data storage  
connecting field and office teams

Enterprise is included in any Topcon software subscription. One year of Enterprise is also included with a permanent license of Field or Office or with the purchase of a service plan or maintenance.



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# Topcon Office offering

Functionality	<b>Topcon Office</b> Prep job files for machine control and grade management	<b>+Site Prep Module</b> Add advanced road, site and resurfacing design tools	<b>+Survey Module</b> Add finished CAD deliverables and data processing for surveyors
Sitelink3D and Enterprise connectivity	X		
Machine control data prep	X		
Layout data prep	X		
Road and site design		X	X
Corridor design		X	
2D PDF to 3D job file		X	
Take off and material quantities		X	
Paving resurfacing design		X	
Finished Survey CAD deliverables			X
Topcon Tools GNSS and optical processing			X

Note: Add-on product Topcon Project is available for mass haul planning, optimization, and location-based scheduling.

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“

The strength of the Topcon Field software is taking the plans of what you are trying to accomplish and seeing it accurately and productively come to fruition. Topcon's biggest draw is how it integrates everything together. If you are not working with integration in the future, you are left behind.

”

— Scott Schumacher, Pyramid Contractors

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“

The data and the workflow is more efficient... machine control 3D modeling helps us catch mistakes before they become mistakes.

— Steven Baxter, *Accurate GPS Modeling*

”

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## Support

We offer a variety of support options, allowing you to access to a wide range of training and support materials directly through our myTopcon NOW! mobile app and website. With a single sign-on, you can easily navigate our product-specific quick guides and training videos. Stay updated with the latest webinars and eLearning content to increase your professional knowledge and keep current on digital workflows that can help your business grow.

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# Empowering Your Work

As a worldwide leading developer and manufacturer of precision positioning workflow solutions, we help the people who build and feed the world work smarter and faster.

The technology we provide brings increased accuracy, saves time, boosts productivity and efficiency, and lowers expenses, all resulting in greater profitability for you.

Seemingly impossible jobs can be possible because we empower you to do more with less. Projects can be completed with fewer skilled workers with less re-work.

SPEED TO MARKET | GLOBAL NETWORK | EXPERIENCED OEM TEAM

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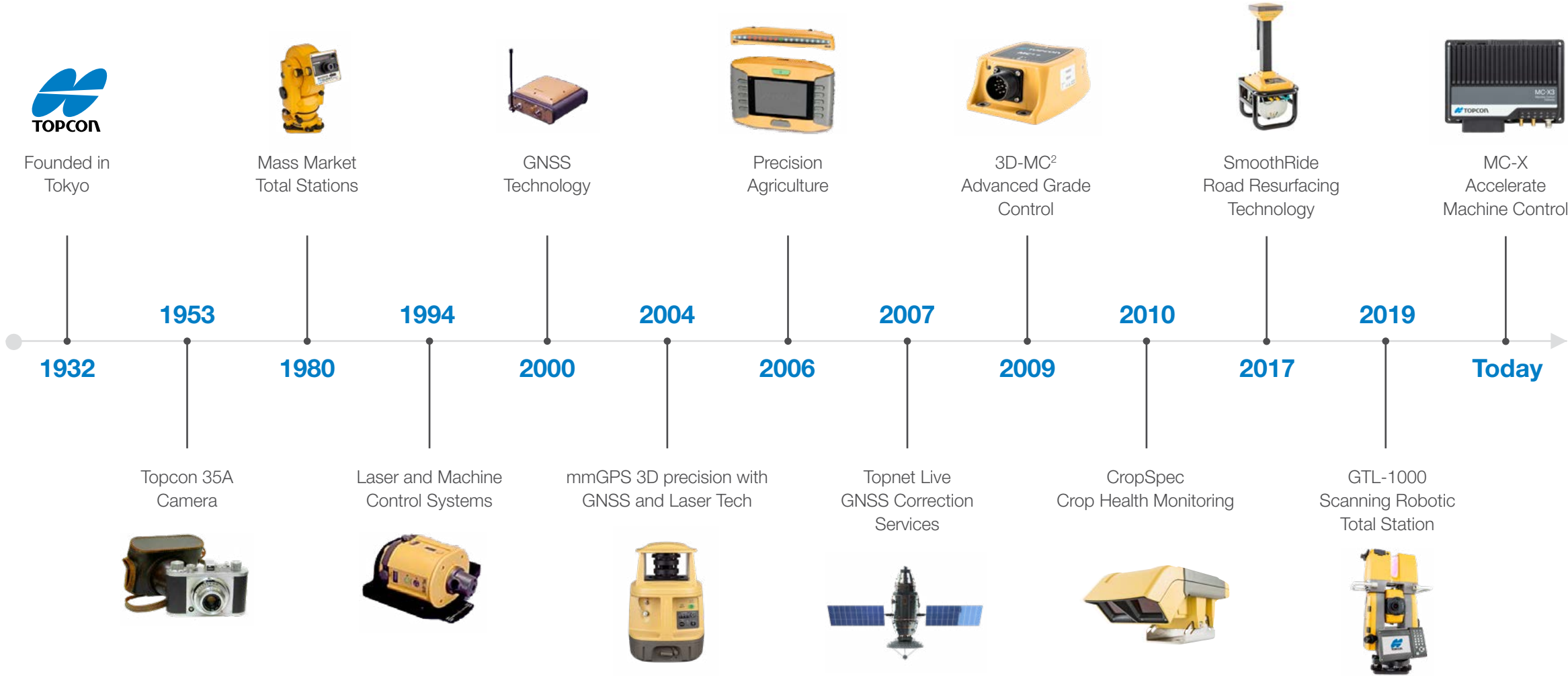
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# A History of Topcon Corporation



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# Unleash Your Potential

We provide innovative yet intuitive solutions that integrate high-precision measurement technology, software, and data for the construction, surveying, and agriculture industries. By embracing our solutions, our customers can:

- Accelerate infrastructure creation and repairs, ensuring safety and cost-effectiveness
- Efficiently gather and handle vast amounts of data, reducing field time
- Maximize crop yields and returns, all while minimizing environmental impact and preserving natural resources.

We're here to make complex tasks easier – so you can work smarter, not harder.



Topcon Training Center,  
Livermore, CA

Topcon Technology  
Roadshow Truck

Topcon Positioning Systems Headquarters,  
Livermore, CA

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4900+ Employees | nearly 3500 Patents



## Global Reach, Local Touch

Our network of offices, fulfillment centers, manufacturing, services, research and development (R&D) centers, testing sites, and related facilities spans the globe to cater to the diverse needs of our customers. Combined with a network of international dealers and distribution partners, this helps ensure that no matter where our customers are, they can get personal, local support.

## From Small Tasks to Big Impact

We don't just offer fresh ideas and approaches to solve tomorrow's challenges, we also operate on a foundation of responsibility – to our employees, to you, and to the world. Our impact is your impact.

Together, we can continue to meet the challenges of a changing world, make a positive impact, and build a sustainable future.

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## Topcon Training Center Concordia, Italy

Topcon Training Center, Concordia provides facilities and advanced equipment for testing and training purposes. The training programs offered have been developed to provide advanced knowledge of Topcon GNSS technology, correction services as well as to improve operators' skills and expertise in ICT-aided construction and agriculture.

The campus covers an area of approximately 135,000 square meters of which 24,000 square meters are dedicated to machine control and precision

agriculture testing. The center has classroom facilities on-site accommodating 200+ participants for seminars and coursework ranging from basic to advanced.

Conveniently located in Northern Italy, the Topcon Training Center, Concordia is just an hour away from major Italian airports in the region.



**Training Center**

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## Training Center

## Topcon Training Center Livermore, California

Topcon Training Center, Livermore is a dedicated space to train our customers, dealers, and Topcon employees on all construction and geopositioning-related products. With nearly six acres, the facility boasts two classrooms, outdoor theatre-style seating for live demonstrations and training and an equipment garage for hands-on installation training.

The training facility plans to train up to 2,000 participants annually. Topcon has designed the training center to simulate live applications that take place on a

typical construction site which provides the participants with a fully immersive experience and a heavy focus on job site workflow. An added use of this facility, Topcon offers select OEM prospects the opportunity to fly in their VIPs for a complete workflow demonstration of our products including a hands-on experience.

Livermore is located in northern California and is easily accessed from San Francisco and Oakland airports.

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