

Grow your way.

Proven precision measurement with a plan.



TOPCON
AGRICULTURE

CORE
TECHNOLOGY

APPLICATIONS

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INTEGRATION

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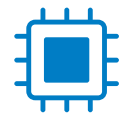
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Topcon Agriculture

High-precision hardware, software and data to bring you efficiency and enhanced productivity to every phase of the farming operation.





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Legacy in precision

Fueled by economic, environmental, social, and political factors, farmers need solutions that reduce inputs, increase production, and promote sustainability. At its core, precision agriculture optimizes profitability and efficiency through measurement technology.

Topcon stems back 90 years in surveying and over 40 years in agriculture developing key solutions for crop and livestock production. We are committed to bringing impactful solutions for global agriculture by leveraging core technologies in guidance, correction services and digital farm management throughout key applications in soil preparation, seeding, crop care, harvest, weighing, and feed management.



Proven with a plan

We offer a wide range of proven precision measurement technology for key applications backed by ever-expanding global support.

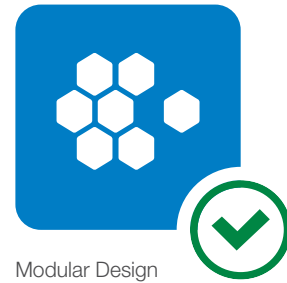
Leveraging a wealth of experience and internal expertise, we have a clear plan; simplify connectivity and develop open platforms with flexible, modular designs to suit the varying needs of farming.



Strategic Plan



IoT Connected



Modular Design



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Guidance

Steering you right from the start.

Accurate positioning is the cornerstone of site-specific management. Tracking location, it's not only required for precise control, but expansive data collection, enabling farm professionals to compare different types of information (e.g., yield, soil type, fertility, etc.) for better decisions. Most utilized for real-time operation through manual guidance and autosteering, the benefits of improved efficiency, reliable performance, and reduced fatigue have made it the most widely adopted technology in agriculture.

We pioneered multi-constellation GNSS pinpoint positioning and has supported the global industry standards – ISO protocol, from the start. Guidance is the key to accuracy and the heart of precision farming. We offer modular solutions to suit virtually any machine and operation.



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XD+ (12.1")
Customizable touchscreen



XD (7")
Customizable touchscreen



AES-35
Electric Steering System



Correction Services

Get the most out of every square centimeter you farm.

Correction services are essential to the accuracy of GNSS-based guidance and autosteering to support key applications throughout the crop cycle, including soil preparation, seeding, crop care, and harvest. To account for the variable conditions and demands of global agriculture, we have built a full suite including localized- and network-based solutions to deliver high-quality accuracy and repeatability for any agricultural operation, application and machine.

Now more flexible than ever, including cellular and satellite subscriptions, Topcon correction services are globally tested, proven and reliable. Equipped tractors, sprayers, spreaders and harvesters benefit from fast initializations and reliable positioning any time of the day or night.



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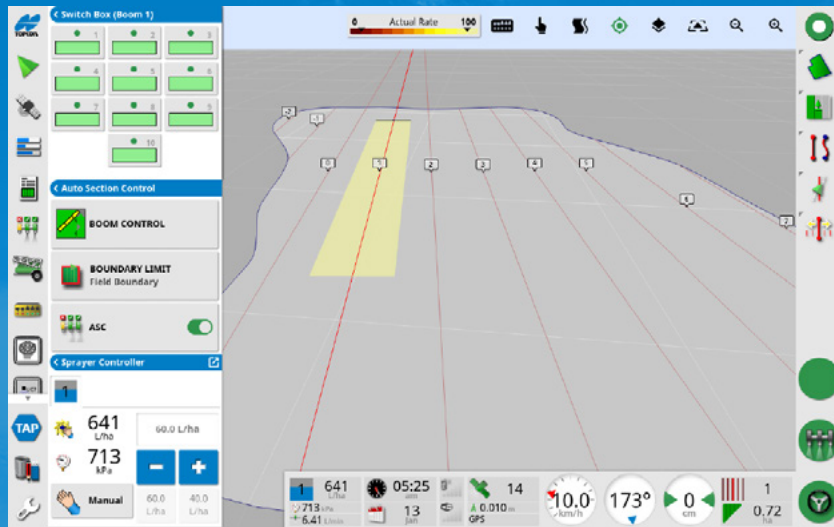
MR-2
Permanent Base



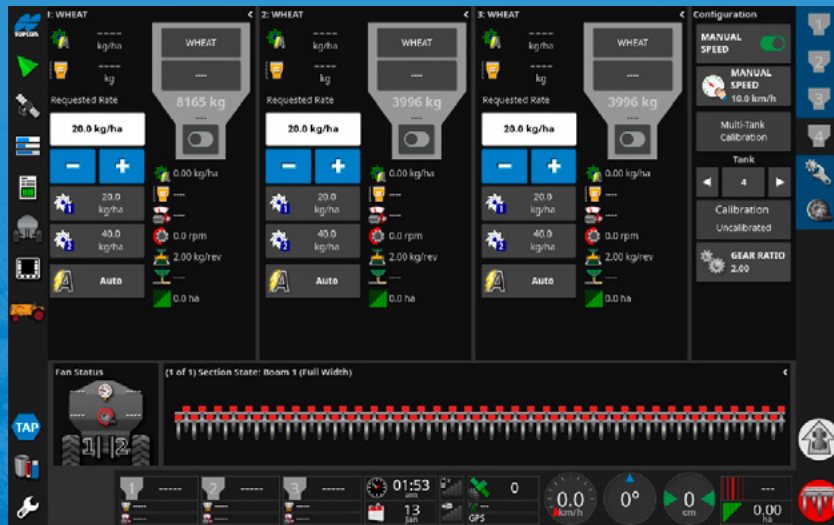
AGS-2
Receiver/Steering Controller



HiPer VR
Mobile Base



Horizon OS - Spraying Control example



Horizon OS - Spreading Control example

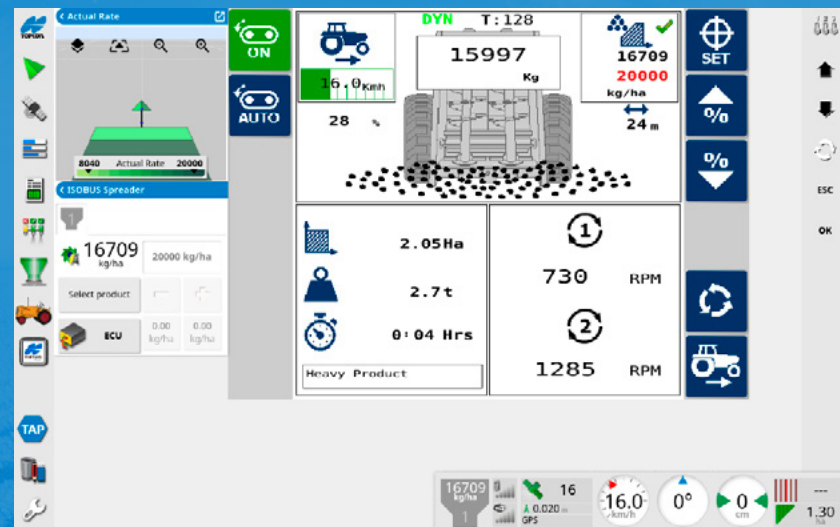
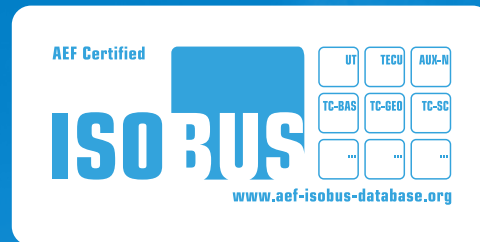
Topcon Horizon OS

Unlock what you need, when you need it.

Horizon software is all about efficiency, modularity and connectivity. Revamped with a fresh look to complement the smoother experience, it drastically simplifies setup for key operations. Icon-based and user-definable, Horizon presents a choice of views for each function. The same software runs on all Topcon Agriculture consoles with the option of bundled (X25 or X35) or unlockable (7" XD and 12.1" XD+) capabilities based on console selection.

Our consoles are compatible with the full range of Topcon sensors and application control technology to suit basic to most progressive operations. Coupled with other Topcon and 3rd party technologies, Horizon provides flexible solutions, priced right.

Set autosteering patterns, control application rates, monitor each operation, and map every pass — all from a single dynamic environment you can manage on the fly with simple multi-touch gestures.



Horizon OS / ISOBUS - Guidance / Spreading Control example

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ISOBUS Universal OS

We pursue universal compatibility.

The Agricultural Industry Electronics Foundation (AEF) is an independent organization that implements international electronic standards. This oversight improves cross-manufacturer compatibility and transparency of electronic and electric components in agricultural equipment.

We build many key hardware and software solutions under ISOBUS protocol to offer seamless, universal integration.

ISOBUS Compliant Software

- Seed Drilling
- Row Crop Planting
- Transplanting
- Spreading
- Spraying
- Boom Height Control
- Yield Monitoring

ISOBUS Compliant Hardware

- X Family Consoles
- Guidance Receivers
- Controllers



 **TAP**
Topcon Agriculture Platform



CL-55
Cloud Connectivity Device

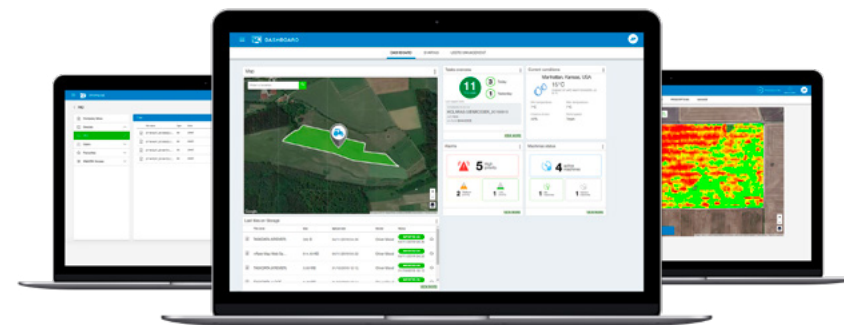


Digital Farm Management

Designed for farmers, dealers, agronomists, and input suppliers who need to gather and consolidate key operational information, the Topcon Agriculture Platform (TAP) brings connectivity to every phase of the farming cycle, automating the data workflow, so users can focus on action.

TAP is an easy-to-use tool to organize, visualize and make better farm management decisions based on data from across the entire farming operation.

Constant connectivity, any data format, clear visualization, and secure sharing. With TAP, we now offer a comprehensive and clear path into digital farm management.



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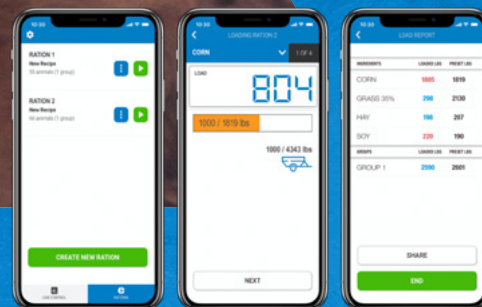
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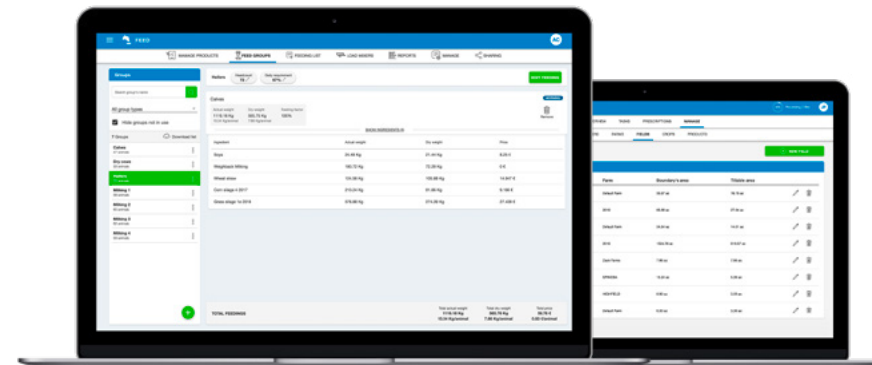
TAP FEED

Modern, intuitive, and connected feed management software tied directly to the feed mixer via mobile app, TAP FEED fuses management software with load mixer integration. It's designed in collaboration with industry partners to provide easy-to-use features to improve efficiency, reduce waste and improve production.

Free with the latest lineup of Bluetooth® displays and weigh converters, start with the TAP FEED app for an organic transition into digital feed management.



TAP FEED App
Available on iOS and Android devices



TAP FEED Software



Soil Preparation

Tools to optimize soil.

You can increase efficiency and yield through careful grading and landforming design while conserving topsoil and water. Whether you're designing the surfaces of your fields, managing residue or preparing the soil for optimum fertility, we'll help you better manage the natural resources you rely on season after season.

Click the images or bullets below for more information.

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Seeding

Maintain singulation and spacing.

Proper seed placement can directly impact your yield. We offer a variety of variable rate seeding solutions regardless of the type of machinery you run. Our complete line-up works on seeders, drills and row-unit planters and will have you field ready.

Click the images or bullets below for more information.



Crop Care

Grow your way.

Protecting and fertilizing your crops with the right product at the right rate, time and place may well be the single most expensive and critical activity. Detect crop health and apply as you go with our crop health sensors. We offer rate and section control solutions for sprayers and spreaders of all makes and models, so you can count on us to have a solution for you. Even ensure the product goes exactly where it should by adding a boom height control.

Click the images or bullets below for more information.



Harvest

Measure performance and act.

Our field-proven optical yield and moisture monitoring solution provides real-time yield data, so you'll know exactly where you stand as you harvest. Send yield maps directly from the field for future analysis and decision making. Our harvest system gives you unmatched insight and record keeping to deliver a more profitable yield. Plus, progressive specialty crop yield monitoring.

Click the images or bullets below for more information.



Weighing

Know your way.

Whether you are weighing livestock, grain, feed mixers, bulk material or bales, our hydraulic weighing systems capture and record that data with ease and accuracy. You owe it to yourself to manage the most critical inputs on your operation.

Click the images or bullets below for more information.



Feed Management

Manage costs and boost production.

Managing feed can be messy. Farmers need a streamlined approach to connect load mixers with management software, from loading and tracking to logging and optimization. We offer simple feed mixer load monitoring to logging and automatic data exchange, seamlessly connected to software designed by real farmers.

Click the images or bullets below for more information.

Easily Integrated Modular Technology



Guidance

Consoles

Steering



ACU-1



EHi Valve



Correction Services

GNSS Receivers

Base Stations & Reference Stations Network



MC-R3



Digital Farm Management

Data Software

Connectivity

Click a product block to be directed to the respective web page.

Customizable Solutions for Every Application



Soil Preparation

Landforming and Drainage Tillage



Strip Till Control

Hardware



MC-R3 Receiver/Control



TM-1 Electric Mast



HCM1 Controller



System 5 Series Controller/Display



UC7 Ultrasonic Sensor

Software



AGForm-3D Survey/Design



ISOBUS



Seeding

Seeding Planting Transplanting

Hardware



Apollo CM-40 Controller



AS-1X Controller



Apollo CM-20 Controller



MFDC 100 Seed Drill Monitor



CAN Motor

Software



ISOBUS



ISOBUS



ISOBUS



Crop Care

Spreading Spraying Crop Monitoring

Hardware



SL2 Convertor (Weigh)



Apollo CM-40 Controller



HCM1 Controller



Apollo CM-20 Controller



LMS-20 Sensor



UC7 Ultrasonic Sensor

Software



ISOBUS



ISOBUS



ISOBUS

Click a solution/product block to be directed to the respective web page.

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Customizable Solutions for Every Application



Harvest

Yield Monitoring

Grain Cart Weighing

Hardware



YM-1 Controller



Optical Sensor



YM-2 Controller



Moisture Sensor



Load Sensor



Load Sensor

Software



ISOBUS



ISOBUS



Weighing

Material Handling / Onboard Weighing

Universal Weighing

Livestock Weighing

Hardware



SL2 Converter



Indicator SW4600EID



Pressure Sensor



Indicator Cab Control App



Weighing Platform



Load Sensor



Pressure Sensor



Load Sensor



Feed Management

Feed Mixing

Hardware



Indicator EZ 2810BT / 3410BT



Indicator TMR 3610 / 4610



Indicator TST 7600



ERM Wi-Fi Module



SL2 Converter



Load Sensor

Software



TMR Tracker

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Click a solution/product block to be directed to the respective web page.

Agriculture Technology Products

Click the buttons below for more information.

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Agriculture Technology Systems

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Committed to Partners and the Industry

We are the ideal partner for developing advanced solutions for your positioning, agriculture and machine control challenges. Our experience, technical expertise, and overall company strength make us uniquely qualified to provide enhanced automation technology. Ultimately, this will drive your customers' productivity - and your market share - to ever-higher levels.

SPEED TO MARKET | GLOBAL NETWORK | EXPERIENCED OEM TEAM

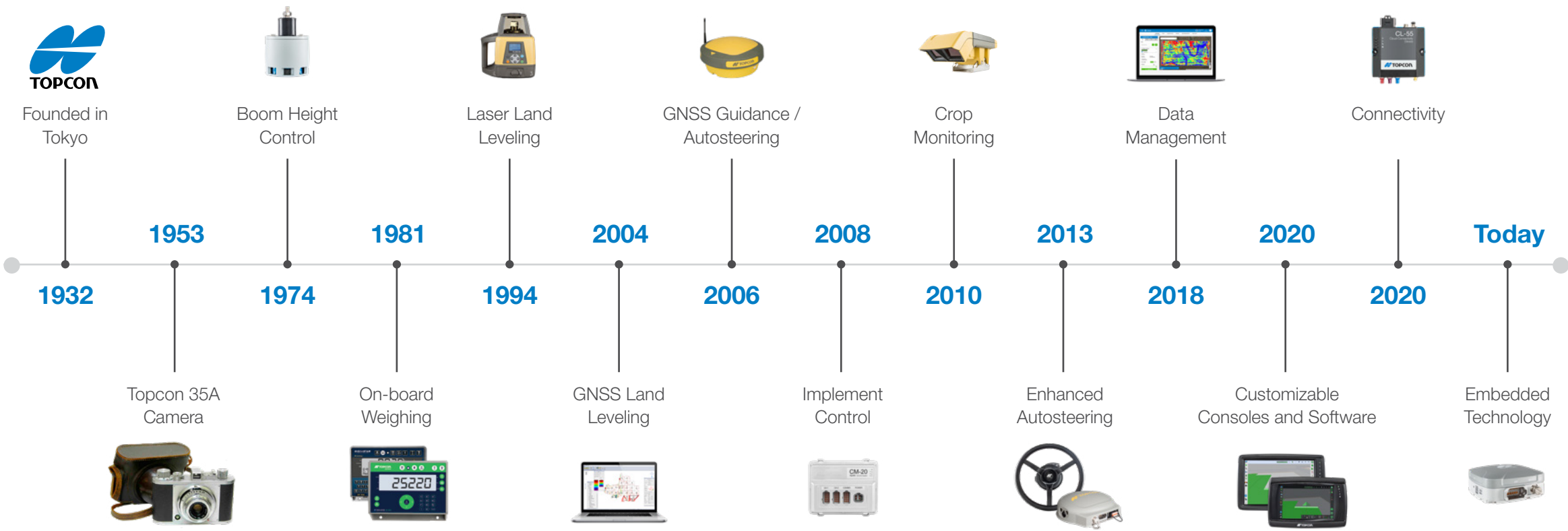
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A History of Topcon Corporation in Agriculture



Note, displays current product images in reference to when development began.

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Trust Topcon to get you there faster with high-quality positioning and automation solutions tailored to your product strategy.

Independent solutions

In an industry with many contractual alliances, we remain independent. We have the freedom to develop technologies that best fit your unique goals. Our custom OEM solutions are all clean-sheet designs, providing more opportunities to differentiate your product from the competition.

Speed to market

Product development carries an inherent pressure to do everything faster and better than before, particularly since technology is only viewed as innovative if it arrives before the competition. Our experience helps simplify and shorten the design process, allowing you to go to market with your product faster – and with the utmost confidence.



Topcon Training Center,
Livermore, CA

Topcon Technology
Roadshow Truck

Topcon Positioning Systems Headquarters,
Livermore, CA

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4900+ Employees | 2150+ Patents

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Global Network

With an extensive worldwide network of corporate offices, R&D centers and technical groups, we have an unmatched capability to assist any manufacturer, no matter where they are located, with fully integrated machine automation solutions. This also positions us to create programs to assist and support dealer networks, directly or through extensive training programs.

Experienced OEM Team

Our experienced OEM team knows what questions need to be answered first and the potential pitfalls to be avoided along the way. Their first objective is to make sure our technology is the right fit for your application and be your partner every step of the way.

Committed to Sustainability

The work we do as an organization complements and supports the sustainable development goals adopted at the UN Summit in 2015.

“The Sustainable Development Goals are the blueprint to achieve a better and more sustainable future for all. They address the global challenges we face, including poverty, inequality, climate change, environmental degradation, peace and justice.”

To learn more about our commitment to sustainability visit:
topconpositioning.com/sustainability



Zero Hunger

Our tools improve the management and measurement of cropping areas and sustainable agriculture. Through automation, we are helping create more productive crops and increase harvests, which leads to an improved food system and less food shortages.



Industry, Innovation and Infrastructure

We help farmers be more productive through proven, innovative agricultural precision measurement technology, resulting in increased productivity, larger yields and reduced labor.



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Grow without limits.

topconpositioning.com

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