



Bringing You High-Speed Monitoring Systems with Move Solutions

Duncan-Parnell has partnered with Move Solutions to bring our customers unique, high-speed, structural health monitoring systems. With IoT sensors for both static and dynamic monitoring, Move Solutions offers monitoring systems for bridges, railways, tunnels, construction sites, vertical structures, and geotechnical applications. Move Solutions' smart, wireless, non-destructive, and easy-to-install sensors enable users to manage risk and extend the service life of infrastructure by implementing a cost-effective remote structural health monitoring system.

These monitoring systems are ideal for dynamic structures such as bridges that experience small scale oscillations over a range of frequencies. The wireless sensor systems manufactured by Move Solutions offer smart structural monitoring based on modal analysis of the sensed frequencies of the vibration occurring in the structure under normal use. A change in the structure, such as an expansion bearing seizing or a structural member cracking, will induce a change in the natural frequencies at which the structure resonates. This will generate an alarm and notify the user to take appropriate action.



Digital Communication Node



Vibrometer



Deck Dynamic Displacement
Sensor



Wireless Accelerometer SHM

Contact your local sales representative to see how the combination of Trimble and Move Solutions sensors can help your projects!

The Trimble TDC650: An All-In-One Handheld GNSS Solution

Trimble's TDC650 has replaced the traditional GeoExplorer series as a highly accurate, all-in-one handheld GNSS solution. The all-day battery, large screen, and ruggedness make it an excellent upgrade for those who have been using the Geo 7X unit. Key features of the TDC650:

- Includes an Android v10 operating system, which allows for multiple software applications including Trimble's TerraFlex and Esri's Field Maps
- Offers scalable accuracies from 1 meter down to 1 centimeter
- Allows the user to take advantage of local VRS corrections or Trimble's nationwide RTX correction technology



Reach out to a sales representative in your area to see the Trimble TDC650 in action and learn if it's right for you.

Employee Spotlights: Ryan Wallace & Dustan Duren



Meet Ryan Wallace – Ryan joined Duncan-Parnell in December of 2022 as part of the Sales and Business Development team for the Western & Middle Tennessee market. His role as a Geospatial Sales Representative will cover the area from Memphis to Cookeville. Ryan graduated from University of TN with a B.A.

in Economics. He was with Precision Products for over 10 years before coming to Duncan-Parnell. Ryan opened the Precision Products Nashville store straight out of college. During his time there, he was store coordinator, support, inside sales, operations manager, and outside sales for the Middle and Western Tennessee territory. He also repaired and calibrated equipment when needed.

Ryan helps customers by solving their workflow needs from field to finish. From maintaining and building a trustworthy and caring relationship with clients to introducing innovative technologies that are available that may be the best fit for them, Ryan is a great resource for any project.



Meet Dustan Duren – Dustan joined Duncan-Parnell in December of 2022 as a Geospatial Sales Representative for the Knoxville, Tennessee market.

Dustan entered the surveying world in 2004 and joined Precision Products in 2012 as a Trimble service technician. He was eventually promoted to lead the Knoxville retail location.

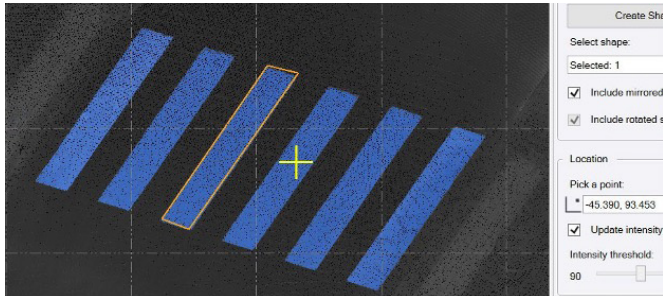
Dustan believes perspective is a valuable tool that is often overlooked. He asks questions and digs around to find out as much as he can about the people he assists. Questions like: What sort of projects are you working on? How are your crews structured? How are you scaling things? It is questions like these that provide the necessary insights to allow Dustan to serve his customers the best way possible.

Duncan-Parnell Announces Geospatial Acquisition

As of December 1st, 2022, Duncan-Parnell has acquired the Tennessee geospatial business of Precision Products and Precision Capture. Precision Products is a distributor of geospatial positioning equipment, serving mapping and surveying professionals for the past 30 years. The asset purchase of Precision Products and Precision Capture, with offices in Nashville and Knoxville, Tennessee, will add to the existing Southeast presence of Duncan-Parnell as a leader in survey, GPS, robotics, LiDAR, and software solutions.

We look forward to growing our team in the Southeast and creating even stronger relationships with surveyors across Tennessee.

TBC 5.81 Enhancement: Extracting Geometry from a Point Cloud



The Extract Geometry command enables you to draw or select an existing 2D closed CAD object whose shape and size you want to use as a template, and then locate features in a point cloud of the same shape and size (for example, painted markings on a roadway), and create a closed polyline around each. You can select whether “found” features may be rotated or mirrored (flipped) from the selected shape’s orientation.

This new tool can greatly speed up creating point cloud deliverables in Trimble Business Center.

News & Updates

Three Questions to Ask When Choosing a Precision GNSS Handheld Device

There’s a wide range of handheld devices on the market and the best device for you depends on individual preferences and needs.

1. How important is flexibility to you?
2. What’s your preferred cost of entry?
3. What environmental conditions do you typically experience in the field?

Trimble Business Center Version 5.81

This minor release includes new features such as the International GNSS Service adoption of IGS20 reference frame to support precise orbits and inclusion of GPS exif attributes for mobile mapping image exports.

Trimble TerraFlex Version 5.81

The latest update lets users connect to the Trimble EMPOWER EM100 module on EMPOWER-enabled devices.

Trimble Access Version 2022.11 Available

This version includes the following changes such as fixing the Georeference map, rotated JPG files, application errors, and more.

Spectra Geospatial Ranger 7 Data Collector Version 2

This update includes improvements to battery life and extra storage capacity.

Duncan-Parnell Partners with Habitat for Humanity



For the past eight years, Duncan-Parnell has partnered with Habitat for Humanity to sponsor full house builds, providing us the opportunity to give back to our community.

Duncan-Parnell, in partnership with CADD Microsystems, took on another home build in the fall of 2022 in Charlotte, NC, not too far from our company headquarters. With an expected completion date of February 2023 this home will provide safe and affordable housing to another deserving family.

“We at Duncan-Parnell are grateful to have found such a worthy cause that, not only gives us a sense of pride in a job well done, but also allows us to give back to the communities that have provided the environment for our success,” said Mark Duncan, President of Duncan-Parnell.



WAVELENGTHS

OVER 20 YEARS OF GEOSPATIAL NEWS / Issue 1 - 2023

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Your Trimble Survey & Mapping Connection
In the Carolinas, DC, DE, FL, GA, MD, TN, VA & WV
duncan-parnell.com

Trimble Dimensions User Conference Will Return



Trimble hosted its biggest user conference, Dimensions+, in Las Vegas this past November. Over 5,700 people from 75 countries attended the three-day event, which brought together a global community of industry pros. The conference kicked off with a speech from Trimble President and CEO, Rob Painter followed by a special keynote speech from Steve Wozniak, Co-Founder of Apple, who spoke about the benefits of disruption in technology.

Attendees enjoyed:

- Keynote presentations by industry leaders including five geospatial experts from Duncan-Parnell
- Interactive demos and real-time support
- Hands-on workshops and in-depth training
- Special events, and most importantly, a lot of fun!

The next Trimble Dimensions will be held November 6-8, 2023, at the Venetian in Las Vegas. Keep an eye out for future announcements about the event!

Upcoming Events & Conferences

February 16-18, 2023

NCSS "Gaining the Edge" Conference & Trade Show
Cherokee, NC

February 23-24, 2023

SCSPLS Convention and Technical Conference
Columbia, SC

March 2-4, 2023

TAPS 55th Annual Conference & Exhibition
Murfreesboro, TN

March 8-10, 2023

North Carolina GIS Conference
Winston-Salem, NC

April 17-19, 2023

VRWA Conference and Technical Exposition
Roanoke, VA

To register, or for more info on any of these events, visit duncan-parnell.com/events.