



No in-house GIS or limited GIS resources? No problem. Duncan-Parnell has a configurable GIS solution for you.

In 2018, Duncan-Parnell launched its GIS for Asset Management Solutions with a specific focus on ArcGIS Online for Utilities. Smaller companies and utilities may not necessarily have the budget, time or experienced GIS personnel to develop a GIS, therefore they need a hassle-free product that will allow them to do more with less.

Our highly adaptable turnkey solution provides our customers an easy way to gather and maintain data all in one place with access to that data for all your personnel. With the combined elements of a Trimble/Esri partnership, experienced GIS personnel, and a local knowledge exchange with our customers, our GIS for Asset Management services not only teach customers the basics of field data collection, but also what they can do with it once the data is collected.

Duncan-Parnell has provided equipment and services to survey and mapping professionals in the Carolinas since 1946, and more recently in the Virginias, Tennessee, Georgia, Maryland and Delaware. As we continued to evaluate opportunities in our industry and the needs facing the geospatial profession, we realized there was an opportunity to provide not only products, but also a different level of service to field asset managers. Said York Grow, MGIS Sales Manager at Duncan-Parnell, “We saw many customers, smaller water utilities mainly, who are doing low-cost, efficient field data collection but do not have the resources, knowledge or budget to manage the data once it returns to the office. We wanted to offer a low maintenance, affordable solution that anyone can use or manage, without having a GIS background.”

There were several keys to being able to provide

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GIS service solutions to our customers: our 20+ year relationship with Trimble, our commitment to our customers, and having the right people in place. The challenge was finding the experienced personnel to make it happen. In 2014, Duncan-Parnell added Tiffany Puett as a Trimble Geospatial Trainer and Support Specialist. She came with extensive Esri experience and was Esri-certified, and she soon began weaving unofficial GIS services training into the Trimble training she was already offering. Then in 2016, Peter Thompson was strategically selected as the Utility Solutions Business Development Rep because of his comprehensive background in GIS.

Solutions for field data collection were already being offered via a partnership with Trimble, a leader in location technology, and Esri, a leader in GIS. Tapping into this

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relationship, Duncan-Parnell set out to build an affordable – and configurable – GIS Solution for our utility customers. “We began our partnership many years ago with Esri, as a complement to the Trimble field offerings, but we’ve started to partner with them from a solutions perspective,” said Grow. “Their platform allows us to leverage their off-the-shelf technology to build an affordable GIS services solution. Working with Esri also allows our solution to keep up and evolve with industry trends, which provides our customers the foundation to properly grow their GIS.”

This concurrent field to office solution allows for asset collection, management, query and analysis and relies upon tools and native apps provided by leading geospatial experts, Trimble, and Esri. Added Puett, “We’re expanding for the smaller utility customer looking for an efficient way to store and share spatial data after it’s captured. A lot of these people need maps not only for their field guys but also for the decision makers back in the office. This solution can be tailored to meet varying needs. It’s very scalable.”

By being able to offer a highly adaptable, turnkey solution to assist with managing any type of field data, we look forward to continuing to be a trusted advisor no matter the GIS level or data management needs.

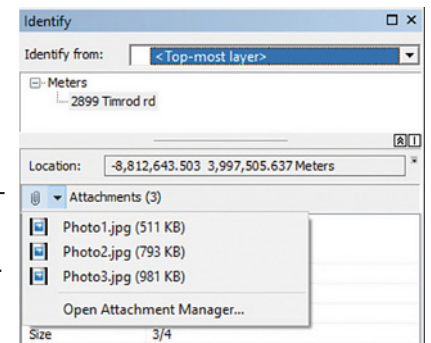
“We’re expanding for the smaller utility customer looking for an efficient way to store and share spatial data after it’s captured.”

Tech Tip: Use Geodatabase Attachments with TerraSync and Trimble Positions

Background: Historically, photo fields for TerraSync were created in the data dictionary editor. Trimble Positions gets the data dictionary from your geodatabase to create a Trimble project definition. From there, the schema should not be altered. Thus, photos are to be added to both the geodatabase (gdb) and the data dictionary (from the gdb schema) using attachments.

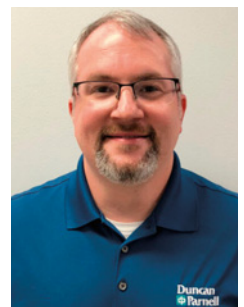
Steps:

1. Right-click a feature class in the gdb>Manage>Create Attachments.
2. Create the Trimble Positions Project as directed.
3. Highlight the project and click Edit.
4. Click Save to DDF (this creates 1 photo or file name attribute in the data dictionary).
5. Click Edit DDF.
 - In the Data Dictionary Editor, highlight the photo field. Copy / paste it as many times as you think you will need features. (Ex. If you’d like to take 3 pictures of each feature, then copy & paste 3 times). DO NOT RENAME THE FIELDS!!
 - Save the DDF, then close the Data Dictionary Editor
6. Back in the Trimble Positions Project Editor, click Update from DDF. Browse to the edited data dictionary above when prompted.
7. Transfer the DDF to the GNSS unit running Terrasync.
8. Collect a point and take up to 3 photos.
9. Close the data file.
10. Data Transfer the data file back to the desktop pc.
11. Open the Trimble Positions dockable window. Click Check in SSF and browse to the new data file.
12. Use the Identify button in ArcMap as shown on right.



Meet Eric Fines, Application Specialist

As an Application Specialist, Eric supports and trains customers with anything related to 3D Scanning (Scan to BIM), Vertical Building Field Solutions, and Autodesk products. Eric is a Trimble certified trainer for both 3D Scanning and Robotic Total Stations and is also an Autodesk Certified Professional. Eric joined Duncan-Parnell in January 2016. He brings 20+ years’ experience from the AEC industry with 7 of those years as a BIM Manager. His BIM experience helps him to support and train customers better as BIM technology grows across the Geomatic and Construction industries. Eric can be reached at 704-574-2228, or at eric.fines@duncan-parnell.com.



Coming Soon, Trimble Forensics!

Duncan-Parnell is pleased to announce the addition of Trimble Forensics to our line of products and solutions. Trimble Forensics is a complete, end-to-end hardware and software solution designed specifically to help law enforcement and private agencies handle the toughest information-collection challenges. It's backed by highly trained Trimble experts and includes unparalleled service, training and support. Look for more information on Trimble Forensics this spring at duncan-parnell.com!



Upcoming Conferences

Feb. 21-23 | 2019 NCSS Annual Conference & Trade Show

Stop by our booth at the 2019 NCSS Annual Conference in Raleigh. Duncan-Parnell's Rick Lusher will be showcasing Trimble hardware and software solutions to add efficiency and precision to your survey business. **You could win a new Kubota RTV!**



Feb. 28 | 2019 SCSPLS Convention and Technical Conference

March 11 | SCAWWA / WEASC 2019 SC Environmental Conference

April 15 | 2019 VRWA Annual Conference & Technical Expo

March 18-20 | Spring Gas Conference & Expo

March 26-27 | VAMLIS 29th Annual Virginia GeoCon

April 23-25 | TNGIC 2019 Conference

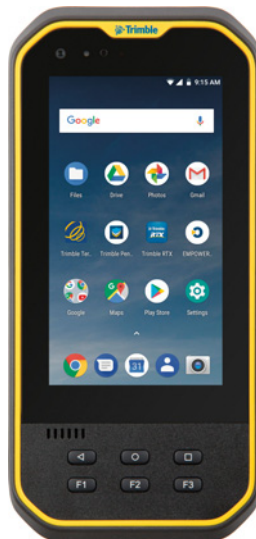
May 13-16 | 2019 NC RWA 42nd Annual Conference & Exhibition

More Efficient GIS Data Collection with the NEW Trimble Nomad 5

The Nomad 5 is a fully-rugged mobile computer designed for GIS data collection and asset management solutions, making your work life easier, more productive and more efficient.

Key Features:

- Android 8.1 operating system
- 5-inch, sunlight readable, multi-touch capacitive screen
- User-interchangeable Trimble EMPOWER modules, including sub-meter GNSS receiver
- High speed 4G LTE cellular data connectivity
- User-replaceable, all day battery
- Powerful Qualcomm® processor with 4GB RAM and 32 GB internal storage



News & Updates

Trimble C5 Winterized Configurations Now Available

Trimble C5 2" and 5" total stations are now available in a specially designed winterized version. These winterized models can be stored and operated at lower temperatures than the standard C5 models.

Trimble Protected Hardware Protection Plans

Protection plans for winterized C3 and C5 mechanical total stations also are now available. Contact us for details.

The New TBC Is Here

Version 5.00 includes more tools for survey and construction professionals along with a new clean, modern look and feel.

<http://bit.ly/2AkWsAC>

New SX10 Firmware

Version S2.1.11 firmware for the SX10 is now available for download via Trimble Installation Manager. This version resolves an issue where the instrument compensator range was not symmetrical and not allowing $\pm 5.4'$ ($\pm 100\text{mgon}$) in all directions.

Download at: <http://bit.ly/2DSjd29>

New S Series Firmware

Version H2.6.10 is now available for the S5, S7, and S9 instruments.

Release notes can be viewed at:
<http://bit.ly/2QeZAsu>

* Certain products not available in all locations due to manufacturer's restrictions.

WaveLengths

Geospatial News

duncan-parnell.com



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YOUR TRIMBLE SURVEY & MAPPING CONNECTION
IN THE CAROLINAS, DC, DE, FL, GA, MD, TN*, VA & WV

No Matter The Job, Turn to the Easy-To-Use SP20 Handheld That Consistently Delivers Highly Accurate Results

The Spectra Geospatial SP20 handheld GNSS receiver combines innovative, camera-enabled data collecting workflow with a high level of performance in an ergonomic, scalable solution (from meter to cm accuracy).

Key Features:

- Integrated High Accuracy GNSS
- Innovative Camera-Logging
- 5.3-inch Screen
- Android Operating System
- GIS and Survey Solutions
- Rugged and Lightweight

SPECTRA[®]
GEOSPATIAL

AUTHORIZED DISTRIBUTION PARTNER

Authorized Sales, Service & Support

