



**Rithm**  
for AUTODESK® NAVISWORKS®



**Caron East Inc.**

## Real-Time Floor Flatness and Levelness

*Reduce ASTM E1155 reporting from days to minutes with streamlined FFL analysis directly from scan data loaded into Autodesk® Navisworks®.*

### The Challenge

Determining Floor Flatness/Levelness (FFL) and obtaining ASTM E1155 compliant reports is a burdensome process. Contact techniques like the Dipstick® are slow, costly and can only be used once concrete is dry. They also don't offer enough insights to perform a thorough evaluation of floor deviations. Other solutions are far too complex to master and cumbersome to use. Finally, here's real-time FFL in an industry-standard platform.

### Our Solution

Rithm offers you a fast, accurate and cost-effective workflow for your FFL reporting. Benefits include:

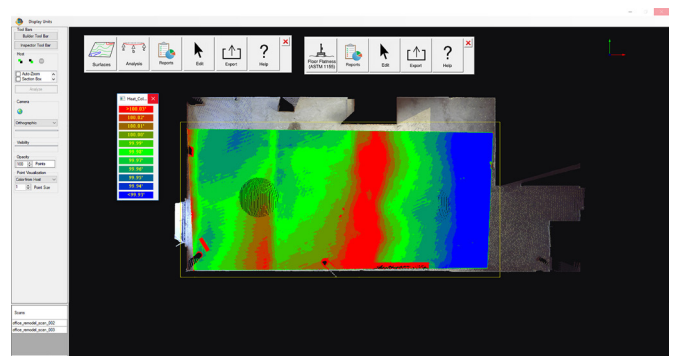
- Integrate with Autodesk® Navisworks®, an industry standard software
- Check wet concrete while it is still workable to find mistakes faster
- Own your QA workflows by running FFL analyses in-house in minutes
- Easily visualize deviations with heat maps, contours, grid points
- Reduce ASTM E1155 reporting from days to minute
- and much more!

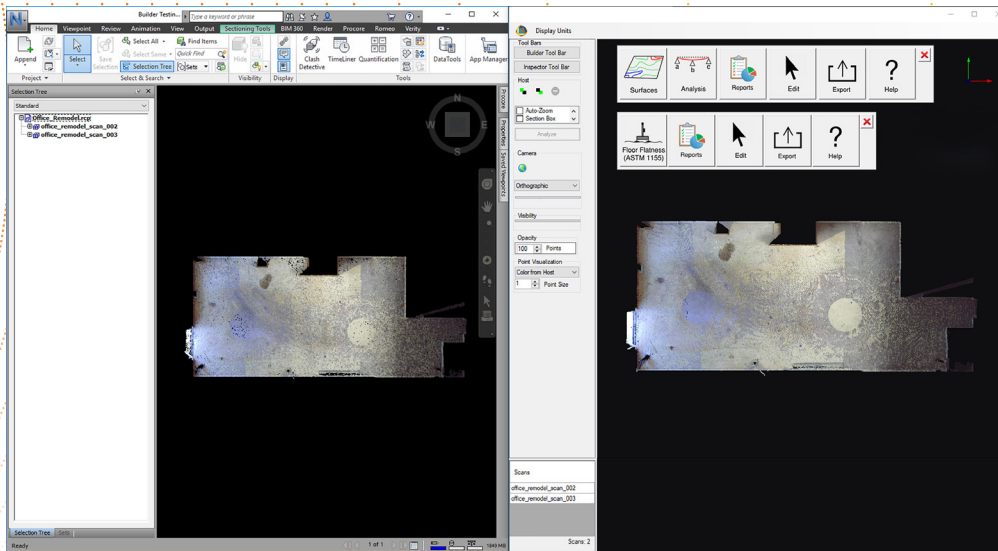
### Analyze Flooring Deviations from Autodesk® Navisworks®

Rithm's direct integration with Autodesk® Navisworks® makes performing FFL analysis much easier. No need to spend time learning new, complex software: our Navisworks integration means you can QA your floors with any scan data from Navisworks.

### Analyze Wet or Dry Concrete

Besides allowing you to perform a quick FFL analysis on dry concrete, Rithm's lightning fast scan-to-finish workflow makes it possible to identify flooring issues **while concrete is still workable**. This new approach to FFL analysis on wet concrete gives you a competitive edge—reducing costly and time-consuming rework and allowing you to identify and fix mistakes faster.





## Own your QA workflows

There's no need to rely on third party contractors to perform FFL analysis anymore. Using 3D laser scanning and Rithm to detect flooring deviations gives you full control of your QA workflows using your own tools and working with your own team. No more scheduling nightmares coordinating site visits, waiting for a consultant to show up, or waiting for a report to be turned around... you'll ensure deadlines are met and quality work is delivered, which ultimately translates into improved customer satisfaction.

## Perform Quick and Reliable QA

Rithm allows you to visualize problem areas with heat and contour maps for fast and reliable QA. You'll obtain insightful data on the spot, which will help you quickly direct any remediation and keep your projects on schedule. You can easily determine how much concrete needs to be added or removed or just observe floor deviations faster using Rithm's cut & fill calculations. Contour maps can also be exported into CAD format for downstream design work and enhanced ground topology modeling and analysis.

## Obtain ASTM E1155 Reporting in Minutes

With Rithm, you can deliver ASTM E1155 compliant FFL reports within minutes and for less cost while ensuring highly accurate results. Other manual FFL analysis techniques like the Dipstick® require you to wait a day or more to obtain a single FFL report, at a cost of thousands! Rithm offers you a faster and more affordable way to obtain these same reports, which are easily shared with key stakeholders.

## Ditch the Dipstick®—Take Rithm for a Test Drive

No other solution delivers all these different results from the same information in minutes.

**Try Rithm on your next pour...contact:**  
sales@caroneast.com | 800-25CARON (252-2766)

**CLEAREDGE<sup>3D</sup>**