

‘Everyday’ Return on Investment



What is it about surveyors and pickup trucks? If you're like most surveyors in North America, a pickup probably makes good sense: It will do just about anything you ask it to. So you can use it every day, no matter what the schedule looks like.

The same logic might apply when deciding on what equipment to add to your surveying arsenal. For some situations, it's appropriate to think about your equipment in terms of daily ROI – knowing that your investment is working hard for your business every day.

The Challenge

A recent project called for data collection in and around a parking lot for renovations of a coffee shop. We needed to get measurements of the existing parking area, and also collect precise measurements of the building's elevation. To make our budget, this would be a one day/one crew job.

Multitasking Made Easy

An integrated setup created through Trimble Survey Controller™ software tied the whole project together in the field. The Trimble SI Rover™ (Spatial Imaging Rover) configuration enables field integration of pointcloud and GNSS points. Better still, it allowed us to do both at the same time.

EFFICIENCY AT WORK

Merging 3D scans and conventional surveying data was once possible only through back-office data integration. Today, the process is easily and flawlessly performed in the field.

Old Way: Set-up, perform scan> Set-up, collect GNSS data> Convert & integrate back in the office > Client delivery

New Way: Set-up integrated system > Data capture > Client Delivery



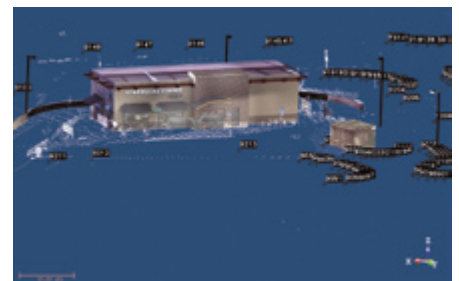
Engaging the SI Rover:

- 1) From the Trimble Survey Controller software Main Menu, choose **Configuration > Survey Styles** and then tap **New**.
- 2) Enter Style Name > select **Style Type** (Integrated Surveying) then **Accept** > select **Conventional and GPS** styles.
- 3) From Survey Styles menu Select **Target options** > check **IS Rover** and enter a value in the **Prism to Antenna Offset** field > **Enter** > **Accept** > **Store**.

Now you can begin your integrated survey. While performing your scan, you can collect individual GNSS points concurrently using the Trimble SI Rover.

Resources

For more details on the SI Rover setup, go online: www.trimble.com/SIrover



Using the SI Rover, both point cloud and individual points are captured simultaneously.