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.

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.