

# OYO GEOSPACE @ WORK

PRODUCTS AND SERVICES **AT WORK** IN THE WORLD

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## GSR supports surveys “one green step at a time”

For Charles Bundrant, president of Green World Geophysical (GWG), nodal technology was the breakthrough he was waiting for. He and the company’s executive advisor Jim Gallant had a vision for how things could be done in the seismic industry – a “green way” that was more efficient, nimble and environmentally intelligent than what was possible 12 years ago when they were last involved in the geophysical industry. In fact, Bundrant thought he’d never come back to oil and gas. But then came the GSR – and a different way to collect seismic data.

Today, the GSR is helping Bundrant and GWG pursue their mission of acquiring the best data for clients with the smallest environmental footprint possible.

“We couldn’t do business the way we really wanted to until the GSR,” says Bundrant. “We can now work three times as fast, without climbing these hills loaded down with cables and with far fewer HSE risks.” The hills he’s referring to cap the Marcellus shale region in New York, where the company recently completed a 388-channel survey covering hilly farms, woodlands and swamps.

### Leave only footprints

In this region, controversy over the impacts of fracturing practices makes environmentally sensitive operations especially important. As with all its projects, GWG wanted to conduct its survey as unobtrusively and ecologically as possible. No flags. No stakes. No heavy equipment crashing through the woodlands.

To minimize vehicle traffic, crews walk in as much equipment as possible. The light weight and compact size of the GSR makes this approach practical. Indeed, a GWG crew looks more like a group of day hikers than a seismic crew, with each crew member able to carry between six to 12 complete stations (comprising GSR units, GSR battery packs and GS-One Geophones) in a backpack. They can trek through the survey area with virtually no disruption, leaving fences intact and flora undisturbed.

### New room for innovation

“The GSR lets us implement ideas we couldn’t in the past,” adds Bundrant. “It gives us more freedom to be the company we want to be.”

Two examples of such innovative ideas include ATV-mounted control consoles and a solar- and wind-powered equipment trailer now under construction.

The mobile control console packages all triggering equipment required for a shoot into a man-portable pelican case that can be hand carried anywhere the ATV can’t travel. This contrasts to the huge pickup-mounted “doghouse” type stations required with cabled systems. “I think we may be the only company in the business that can shoot off the back of a four-wheeler,” Bundrant notes.

In addition, GWG’s customized solar- and wind-powered instrument trailer will house the GSR Mobile System Manager (where GSR scripts are uploaded and recorded data is downloaded), battery charging stations and other equipment. The trailer will be outfitted with solar panels and telescoping, self-anchoring wind turbines to generate up to 50% of the unit’s daily power needs, further reducing the company’s environmental impact.

For companies like GWG, GSR nodal technology is truly a game-changing innovation – enabling them to conduct business in a way that is safer, greener and more cost-efficient than ever.



*The ATV-mounted mobile control console can also be hand carried and avoids large “doghouses” needed for cabled systems.*

*GWG crews walk as much as possible during the survey to minimize environmental impact.*

