

# OYO GEOSPACE @ WORK

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

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## Land Seismic Surveys Will Never Be The Same



*GSR field deployment  
is quick and easy.*

Imagine that the clock is ticking on your multi-million dollar land seismic survey and you are shut down for hours by a hungry raccoon or wayward Holstein. In the world of cable-dependant land surveys, the wildlife and cattle factor is a genuine – and sometimes costly – operational hurdle. When you have hundreds of miles of cables spread over vast, often remote areas, damage

from animals isn't just irksome – it can be extremely expensive in terms of man hours and downtime.

And critters aren't the only headaches for land seismic projects. Every farm road, steep-sided arroyo

or dense thicket becomes a considerable barrier when you're laying cable. And then there are the permitting and property issues you face when your cable crosses multiple tracts of private property, public roadways, waterways or railways.

These are just some of the practical reasons OYO Geospace's new cable-free/radio-free Geospace Seismic Recorder (GSR) has industry seismic crews so excited. Instead of vast stretches of interconnected and vulnerable cables, each GSR receiver station is a standalone unit made up of compact and tough components. About the size of a shoe box, each receiver station incorporates its own battery power, GPS technology, flash memory, data port and input connectors – making it capable of recording data continuously for up to 30 days without maintenance.

### Keeping a low profile

From congested urban areas to densely forested or vertical landscapes, the GSR goes easily where cables can't. And while a determined Angus or a rancher running a brushhog could certainly take one GSR station out, the impact to the overall survey is minimal.

The GSR has already proven its mettle on a 26-square-mile 3D seismic survey in the Brenham, Texas area. The terrain there includes grazing acreage (the home of Blue Bell ice cream is cow country, after all) with active farming and ranching, lakes and ponds; thick underbrush and woodlands and related landowner concerns.



*Grazing cattle on HGS's seismic survey in the Brenham, Texas area are oblivious to OYO Geospace's GSR.*

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[www.oyogeospace.com](http://www.oyogeospace.com)

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But thanks to its small, unobtrusive footprint and cable-free design, the GSR has dramatically reduced landowner problems, permitting nightmares and the potential for environment impact. In fact, the system is virtually invisible on a landowner's property.

"This system has given us a lot more freedom," says Jim Aker, president of Houston Geophysical Service. "We simply couldn't have done this survey with a cabled system."

And for the field crews? The GSR is a huge improvement over cabled systems. The cable-free receivers cut deployment and turnaround times and require a lot fewer people and vehicles in the field. On the Brenham survey, a lean 12-man crew was sufficient - in part because each GSR receiver station, including geophones, weighed only about 21 pounds. As an added bonus, the GSR's robust design and construction insures that field personnel can easily learn to assemble and deploy the system in only about 30 minutes.

*HGS seismic field crew member uses the GSR Line Viewer to automatically check sensor and active spread integrity.*

Of course, being tough out there in the wilderness isn't the whole story. The really big news is that the GSR is already proven in the field to be a phenomenally accurate, durable and dependable way to acquire land seismic data, using any energy source and up to 50,000 channels. You can learn more about the GSR from George Shields at [gshields@oyogeospace.com](mailto:gshields@oyogeospace.com).



*Jim Aker, President, Houston Geophysical Service: "This system has given us a lot more freedom. We simply couldn't have done this survey with a cabled system."*



## **Geospace's Technology Team Redefines Seismic Systems – Again**



*OYO Geospace provides shot controllers for any field energy source used. Synchronized to a GPS clock, they provide the most accurate shot timing available.*

While cable-free land seismic systems are new to the marketplace and OYO Geospace is a new name on the roster of systems manufacturers, systems manufacturing isn't new to the OYO Geospace technology team. With its roots in the small channel count 2-D seismic era, the team has been together designing larger and more innovative seismic systems and components for more than 20 years. Many members of the team have been designing seismic equipment for almost 40 years and one exceptional member has over 50 years of experience.

"We've spent most of our careers figuring out ways to make seismic data acquisition more efficient and cost effective. We've worked together so long, our team really does feel like family, says Mike Sheen, OYO Geospace's Chief Technology Officer. "Our kids grew up hearing about one project after another and now most of us have grandchildren and we're still advancing the technology."

# PRESIDENT'S PAGE



Gary Owens

## Why OYO Geospace@Work?

Many corporate newsletters herald the internal milestones of a company – new production goals met, new services offered, and the accomplishments of its employees. In essence, they chronicle the heartbeat and character of a community that each company becomes to its employees.

But in its daily interactions and decisions each company is also an integral part of a much larger community. At OYO Geospace the DNA of our core values weaves us securely into the fabric of the customers we serve; the vendors we rely upon; and the communities in which we live and operate.

OYO Geospace@Work is intended to chronicle our role on this larger stage: to celebrate the relationships we have in each of these communities and the services we provide to better the lives and experiences of others. 🌐

## Selfless Service in the Aftermath of Ike

Hurricane Ike's passage cut a swath of damage through Galveston, Houston and far into the Midwest. Some of the effects were immediate and painfully obvious with homes destroyed and power lines collapsed. Many of us are still dealing with damage to our homes and properties today and Ike's effects are still evident in the blue tarps scattered throughout the city.

OYO Geospace's property withstood the storm remarkably well. Building A, our 45-year-old manufacturing facility, lost one turret above the machine shop to the hurricane-force winds. Wind-driven rain saturated the ceiling and also poured into our shipping area. We lost ceiling tiles and some inventory, but by far the worst consequence of the storm for our operations was the extended loss of power.

That's where front line ingenuity by our facilities management team, our IT group, other employees who were able to struggle into work, and Midwestern Electric, the contractor who had just completed wiring our new building, came into play to get us back up and running as quickly as possible.

As soon as power was restored to Building B, phones were rerouted and employees were temporarily relocated to resume customer support. During this period, when Building A was completely dark, a skeleton crew of shipping, inventory and thermal solutions personnel shipped product using flashlights and extension cords to accomplish the task.

Then, in a city largely without power, Midwestern Electric and our facilities team found a temporary – but fast – workaround solution that could be implemented with just switch reprogramming. Through persistence they were able to convince the city to make the change, saving us at least a week of downtime. But importantly, they were able to effect this change without pulling crews away from the enormous task of restoring power to millions of families.

We were very fortunate, but we were not alone.

Among the countless stories of Ike's damage and destruction there are remarkable accounts of creativity, ingenuity and selfless concern for others. We saw the best of all of these qualities firsthand at OYO Geospace and know that our employees, vendors and customers were among those contributing selflessly to the restoration of our region. Thank you all! It is indeed a pleasure to work among you. 🌐



*The aftermath of Ike's brutal arrival on September 12th is still being felt along the Gulf Coast.*

# OYO GEOSPACE *in the* COMMUNITY

## OYO Geospace Makes Strides Against Breast Cancer



OYO Geospace team members make a fashion statement in shirts designed by the Instruments group.

Making Strides Against Breast Cancer is an annual American Cancer Society event that raises awareness and dollars to fund crucial research in the fight against breast cancer.

Employees at OYO Geospace have been stepping up for this event for several years. This year's walk took place on Saturday, October 11 in Sam Houston Park, and the OYO Geospace team raised \$20,528.00 for the American Cancer Society – far surpassing any other Team Sponsor at the event.

### Commitment Was Contagious

Enthusiasm about the walk and the mission behind it spread fast. OYO Geospace line workers literally queued up to make donations in an on-site collection jar, and business partners pitched in with donations and walkers of their own.

Inspired by the OYO Geospace team, Global Geophysical joined in the walk and contributed more than \$2,000 toward the fight. Even Cold Stone Creamery caught the cancer-fighting bug after catering an OYO Geospace event – pitching in with a large donation of their own.

“Team Captain Shirley Presley and the entire OYO Geospace team were so engaged with this cause and so creative in getting other groups involved,” said Peggy Rhoads, regional director of development at the American Cancer Society. “Their dedication showed in the size of their contribution, which was by far the highest of any Team Sponsor.”

You can learn more about this fun, free walk and the lifesaving work of the American Cancer Society at [www.cancer.org](http://www.cancer.org).

*“OYO Geospace is helping us fight this disease and find the cure, and we can't ask for more than that.”*

*Peggy Rhoads  
Regional Director  
of Development  
American Cancer Society*

### Supporting the Linda Lorelle Scholarship Fund

Linda Lorelle created a Scholarship Fund to provide college scholarships, support and guidance for Houston area high school students in need of financial assistance and whose potential may be unfulfilled due to circumstances beyond their control.

“Gary Owens and OYO Geospace are committed supporters of these amazing and deserving students,” says Ms. Lorelle. “I'm thrilled we've been able to work together this year and appreciate having OYO Geospace on board with us.”

The Fund's “Reach for the Stars” 2008 Awards Dinner was held Friday, October 10th in downtown Houston, where this year's finalist was awarded a \$15,000 scholarship. OYO Geospace was well represented at the gala, making corporate and individual donations of more than \$15,000.

The Scholarship Fund not only awards scholarships each year, but also provides seminars for recipients to help them prepare for college, computer training, a job bank and more to help students with strong character and determination reach their potential and achieve their educational goals.

Find out more about the Fund, its programs and beneficiaries at [www.lindalorelle.org](http://www.lindalorelle.org).



(left to right) Gary Owens, Linda Lorelle and Sabrina Khwaja, 2008 LLSF Scholar

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