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GX Technology (GXT) spans the globe, with processing centers strategically located to better serve you. With teams of experts located throughout the Americas, Europe, and Africa, GXT is prepared to deliver seismic images of the highest utility within the budget and timing constraints outlined by our customers.

Houston

Known as the "Energy Capital of the World," Houston is GXT's home base. By serving clients in this highly competitive market, our Houston center built its reputation for leadership in PreSDM and complex, subsalt imaging in the Gulf of Mexico. Our Houston center now serves as a hub for global training and knowledge transfer across our other centers while continuing to deliver seismic images of the highest quality within the budget and timing constraints demanded by our customers. As pioneers of reverse time migration (RTM), we are committed to generating innovative solutions to the toughest imaging problems, whether offshore or onshore.

Denver

Denver has established a strong reputation throughout the E&P world as a technical leader for complex onshore imaging and fractured reservoir characterization. Over the past decade, we have been one of the leaders in measuring and interpreting anisotropy and played a key role in developing advanced solutions for many prolific, unconventional resource plays in North America. Our Denver center has played an integral role in extracting maximum insight from both traditionally acquired p-wave and state-of-the-art multicomponent data, providing insights to characterize reservoir properties and predict fracture patterns on some of the most challenging onshore fields in North America and around the world.

Calgary

Strategically located in the heart of Canada's petroleum industry since 2001, our Calgary center provides exceptional seismic imaging services to local clients, including 3D anisotropic PreSDM in the Alberta Foothills and full-wave imaging of heavy oil steam-flood projects. The current focus is on the application of full-wave seismic imaging to unconventional resources, including characterizing fractures in shale gas plays and identifying lithology variations in the oil sands. The GXT Calgary and Denver offices are jointly managed to ensure the cohesive delivery of complex land imaging projects throughout North America.



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Port of Spain

Established in March of 2006 just off the coast of Venezuela, GX Technology Trinidad is set up to bring new technology to the local energy industry. With each project we are introducing new technologies such as RTM, beam migration and 3D SRME that are providing our clients with imaging resolution not seen before in Trinidad. By recruiting and training local Trinidadian geophysicists we are planting ION's culture of innovation deep in the local landscape. Although Trinidad has been producing oil for over 100 years there are still many areas offshore and in ultra-deep waters that are just now getting attention. ION's expertise and knowledge of Trinidad will play a key role in developing new areas.

London

Established in 1987, our London centre is strategically located in one of Europe's leading petroleum gateways. Since its start, the centre has grown significantly in terms of both projects and personnel. Specializing in complex offshore imaging solutions for the North Sea, our London centre also serves as a regional hub for our African centers in Nigeria and Angola. Our focus areas include 3D multiple problems, high resolution tomographic model building, and detailed imaging, employing the full suite of high-end migration tools. In the last several years, London has begun to extend its capabilities and geographic reach by supporting complex onshore imaging projects in Russia, the Middle East, and North Africa, most recently through our joint venture partners - Guide (in Cairo) and LARGEО

Aberdeen

GX Technology established an Aberdeen center in 2001 to support North Sea operators based in the UK's oil city by providing local access to GXT's global compute infrastructure and talent pool. Operating as a satellite of the London hub, its proximity to oil companies headquartered in the North Sea makes it the first point of call in Aberdeen for advanced seismic imaging services, whether the focus be on new sub-basalt exploration projects West of Shetlands or near-field satellite exploration and development in more mature areas of the UK Continental Shelf (UKCS). In addition, with Aberdeen's excellent air links to Stavanger in Norway, the center also coordinates seismic imaging projects for Norway's primary oil city.

Moscow

Our Moscow center is home to our data processing alliance with LARGEО, an established and highly respected data processing firm in the Russian market. Shortly after the partnership began in 2008, LARGEО-ION/GXT quickly saw success. The venture became the first company ever to apply 3D surface-related multiple elimination (3DSRME) to a large scale offshore project (for Rosneft in the Black Sea), a breakthrough that captured the attention of other E&P companies operating in Russia. Bolstered by this early success, the partners are rapidly expanding their capabilities in preparation for undertaking other complex imaging projects, both offshore and onshore, in Russia and the surrounding regions.

Cairo

In 2008, GXT forged a partnership with the Cairo-based Guide Geoscience Technologies to deliver advanced seismic imaging and reservoir-related services to E&P firms operating in Egypt and throughout North Africa. By combining the technological strengths of ION's GXT Imaging Solutions group and the local market knowledge and extensive regional processing experience of Guide, the alliance delivers state-of-the-art geoscience technology solutions that enhance the quality and utility of seismic data so our clients can optimize their exploration and development drilling programs and identify additional reserves in both newly discovered and mature fields.

Luanda

One of two GXT centers in Africa, our Luanda, Angola center was established in January 2005 to support oil & gas companies undertaking exploration programs in one of the most dynamic, hydrocarbon-rich environments in the world. The center was the first to employ reverse time migration (RTM) technology in Angola, for a super-major operator, over a complex salt diaper, and continues to bring innovative solutions to this structurally complex region.

Port Harcourt

In 2005, GXT established its first regional partnership, with Bulwark Services Limited, a Nigerian-based seismic data processing company situated in the heart of Africa's oil industry. By 2008, Bulwark-ION/GXT was awarded a multi-year seismic data processing contract by Mobil Producing Nigeria (MPN) Unlimited, operator of the MPN joint venture with the Nigeria National Petroleum Corporation. This contract, covering advanced imaging services for a series of 2C and 4C seabed seismic surveys, is the largest data processing award in ION's history and is a milestone in the collaboration between ION and Bulwark. Today, the center handles some of GXT's most challenging data processing jobs, including those involving reverse time migration.