

GX Technology Worldwide Locations



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

HOUSTON

Known as the "Energy Capital of the World," Houston is GXT's headquarter. 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 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 centre provides exceptional seismic imaging services to local clients, including 3D

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anisotropic processing for conventional and unconventional reservoirs, the application of full-wave seismic imaging characterizing fractures in tight reservoir plays and identifying lithology variations in the oil sands. The GXT Calgary and Denver centres are jointly managed to ensure the cohesive delivery of complex land imaging projects throughout North America.

VILLAHERMOSA

In 2010, ION-GXT announced that it had been awarded a multi-year contract with Petroleos Mexicanos (PEMEX), the national oil company of Mexico. In order to execute the work, GXT established a local presence in Villahermosa, Mexico, where PEMEX's exploration headquarters are located. GXT utilizes its proprietary imaging technologies to process and interpret seismic data acquired on behalf of PEMEX, including in deepwater regions of the Gulf of Mexico, in highly complex sub-salt areas, and in various onshore regions throughout Mexico. The scope of services includes velocity model building and pre-stack depth migration (PreSDM) using both beam migration and reverse time migration (RTM) techniques. By establishing a presence in Villahermosa, GXT professionals will be able to closely collaborate with their PEMEX counterparts on a daily basis in order to accelerate the interpretation of the imaging results and to rapidly identify new exploration and development drilling targets.

RIO DE JANEIRO

A joint venture of GXT and Brazilian energy consultancy Bratexco, GX Technology Processamento de Dados Ltda. began operating in early 2011 to provide advanced imaging services to E&P companies operating in the highly prospective basins off the coasts of Brazil and environs. The center delivers a broad range of advanced seismic processing services for land, marine, ocean bottom cable (OBC), and transition zone (TZ) data. The full scope of services includes data conditioning, noise attenuation and multiple suppression, velocity model building, and state-of-the-art imaging algorithms, such as GXT's proprietary reverse time migration (RTM).

PORT OF SPAIN

Established in March of 2006, GX Technology Trinidad, located in Port of Spain just off the coast of Venezuela, is set up to deliver our innovative technologies to the local energy industry. Over the years we have successfully introduced new technologies such as reverse time migration (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. GXT's expertise and knowledge of Trinidad continues to play a key role in developing new complex hydrocarbon plays.

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 producing basins of Europe, Africa, Middle East, and India regions, our London centre also serves as a regional hub for our centres in Russia, Egypt, Nigeria and Angola. Our centre employs the full suite of high-end migration tools with a focus on 3D multiple issues, high resolution tomographic model building, and detailed imaging. In the last several years, London has extended its capabilities in complex onshore imaging projects and multi-component seismic processing.

ABERDEEN

GXT 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, 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 in the Black Sea. 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 GXT 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.

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LUANDA

One of several 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 has access to the full suite of GXT's outstanding technologies including the full suite of preprocessing tools including interbed multiple attenuation and Kirchhoff, wave equation, and reverse time migration imaging algorithms. This level of technical cooperation 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. The alliance has helped GXT navigate the local landscape and extend its operating footprint throughout West Africa. In 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. Today, the center handles some of GXT's most challenging data processing jobs in the region.

BEIJING

In 2010, GXT positioned itself in China's capital city to provide local data processing capabilities in support of in-country acquisition system deployments. With an emphasis on leveraging our western hemisphere's "full-wave" project experience, GXT is helping to solve China's complex onshore challenges by applying advanced imaging techniques such as azimuthal anisotropy resolution to characterize fractures in unconventional plays. In addition, a full suite of capabilities is available to solve difficult imaging issues with OBC data, as well as conventional land and marine streamer data. The center is presently undergoing additional expansion to its computing infrastructure and talent resources.

For more information on our services and technologies, visit our website at:

ION GX Technology

www.iongeo.com/gxt

MIDDLE EAST & AFRICA

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