

[ABOUT ION]

Through ongoing research and development programs and strategic acquisitions, ION has assembled a comprehensive technology toolkit that spans the entire seismic workflow. Forty years since its founding as Input/Output, the ION family of companies today provides advanced acquisition equipment, command & control software, planning and imaging services, and seismic data libraries to the global oil & gas industry.

From its roots in a Stafford, Texas manufacturing facility, ION has expanded to a presence in key petroleum centers around the world. Operating from 20 locations and with a workforce comprised of more than 60 nationalities, ION fosters a culture dedicated to pushing the boundaries of seismic innovation and to delivering projects locally through a workforce that reflects the unique needs of the various countries and customers with whom we do business.

Land Acquisition Technology

Since our founding, ION has been viewed as an innovation leader in land seismic imaging. Our award-winning products include Vibroseis vehicles, energy source controllers, analog and full-wave receivers, and cableless and cable-based recording systems and such globally recognized brands as VectorSeis® and FireFly®. Our comprehensive toolkit enables seismic acquisition contractors and oil & gas companies to design and implement cost-effective, HSE-friendly land seismic acquisition programs anywhere in the world, even in the most challenging acquisition environments such as urban areas, transition zones (TZ), jungles, and the Arctic.

Marine Acquisition Technology

ION's marine toolkit allows one-stop shopping when outfitting modern streamer vessels or ocean bottom cable (OBC) crews. Offerings include positioning and streamer control systems, source and source control systems, streamer acquisition systems, and full-wave seabed (OBC) acquisition systems. Our Concept Systems group is a leading supplier of advanced command & control systems that integrate and quality control data acquisition in towed streamer, OBC, electro-magnetic (EM) and land surveys.

Data Processing and Reservoir Services

Our GX Technology (GXT) group is an industry leader in advanced seismic imaging both offshore and onshore. GXT pioneered pre-stack depth migration (PreSDM) and its application to hard-to-image subsalt reservoirs in the Gulf of Mexico. ION's innovation continues today with reverse time migration (RTM), a technique that GXT has introduced in some of the toughest imaging environments around the world. GXT's capabilities are recognized onshore as well, with tools that have proven especially useful when imaging or characterizing fractured reservoirs. Given its affiliation with the ION family, GXT is a leader in processing large, full-wave (multicomponent) datasets and in helping clients undertake advanced geophysical analysis of full-wave data to characterize lithological, fluid saturation, or fracture intensity variations within hydrocarbon reservoirs.

BasinSPAN Regional Seismic Programs

ION owns one of the most up-to-date seismic data libraries in the industry, consisting of high-resolution, depth-migrated data from around the world. ION's BasinSPAN™ library consists of regional programs acquired and imaged using the most advanced geological and geophysical technology available. BasinSPAN programs are custom designed in partnership with energy ministries, E&P companies, and regional geoscience experts to provide critical insight into the geologic evolution, deep basin architecture, and depositional and structural history of entire petroleum systems. The resulting data provides oil & gas companies with new information for under-explored or unexplored basins as well as insights into source rock deposition, thermal maturation histories, sediment fairways, migration pathways, and potential reservoir trapping mechanisms. In addition to the depth migrated seismic data, every BasinSPAN program comes with a complete interpretation report highlighting potential play concepts. From an initial program in the Gulf of Mexico, ION's BasinSPAN library today consists of regional programs in high potential petroleum systems offshore West Africa, East Africa, India, the Arctic, Southeast Asia, the Northern Atlantic, and the Caribbean basin.