XPLORE RUGGED TABLETS IN THE OIL & GAS INDUSTRY

From start to finish, the oil and gas process requires an organized effort on a massive scale: hundreds of different professionals and field personnel coordinate their efforts; equipment is mobilized, operated and maintained; great quantities of field data are collected and processed; and regulatory and environmental compliance activities and inspections must be reliably reported. Often, field conditions add significantly to the challenges. In recent years, software programs have been developed specifically for the oil and gas industry to replace paper and pen systems, thereby reducing errors and improving efficiency. However, even the best software needs reliable hardware on which to operate, and most computers would quickly break in the harsh environments commonly found in the oil and gas industry.

The iX104C5 DMSR tablets, developed by Xplore Technologies, are rugged enough to withstand the uniquely hostile conditions in which the oil and gas industry operates, and are loaded with integrated features that allow software and businesses to take advantage of instant data processing and in-field collaboration capabilities that have been field-proven to increase ROI. DMSR tablets incorporate superior PC performance and advanced communication tools within a damage-proof and intrinsically safe design; workflows can be streamlined and productivity increased, without worry of a hardware breakdown in the field. Xplore iX104C5 tablets can be used for a wide variety of oil and gas applications; from seismic surveying, to asset management, to compliance inspections, Xplore DMSR tablets adapt to meet the specific needs of their users.

As the makers of the most rugged tablet PCs in the world, Xplore Technologies provides the highest quality tablet with the lowest total cost of ownership and highest ROI for their customers. Integrating Xplore Technologies' iX104C5 DMSR tablets into your oil and gas operations elicits a wealth of benefits: increased productivity, less unplanned downtime, better protection of your assets, and increased revenue in all areas of your organization.

SIMPLIFYING DATA COLLECTION

Huge amounts of data always need to be managed and processed in every sector of the oil and gas industry. Slow or inaccurate data collection can impede the efficient flow of activities, cause mistakes in compliance reporting at a significant cost to companies, or even result in production errors that harm your assets, workers, or the environment. The iX104C5 DMSR's features improve data input efficiency and accuracy, thereby speeding up productivity and ensuring proper compliance.

INSTANT DATA ENTRY

With an Xplore Technologies' DMSR tablet in the field, workers can enter data directly into an information management software system, then instantly send reports back to a central office. This minimizes mistakes by removing redundant data entry (e.g. from a paper form into a computer) and allows managers to monitor field personnel and alter processes as needed. For software that runs in the cloud, advanced connectivity and communications tools provide access to software even in remote locations, so data entry is always possible. The form factor of the tablet computer also expedites the data entry process, as workers can use the simple touch interface in the field to input information. This is a superior alternative to wasting time locating a surface—often an unstable one that is vulnerable to drops and damage—to set down a notebook and post results via a mouse and keyboard.

ENHANCED DATA COLLECTION FEATURES

DMSR tablets also feature several tools for improved data collection capabilities. Workers can switch from finger input to a digitizer pen to increase precision. The 3MP camera can be used for barcode scans, and the optional GPS module offers geo-tagging and monitoring capabilities. Xplore's warm-swap battery feature with tool-less access prevents downtime and data loss in the field; when one battery gets low, it can be replaced by hand without turning the tablet off.

MANAGE LARGE DATA LOADS

Xplore iX104C5 tablets are also well-equipped to manage your data. A powerful Intel Core i7 processor with Turbo Boost technology, 80GB standard SSD storage, and 4GB DDR3 RAM drives optimal performance and averts data errors due to slow processing. Only Xplore iX104C5 tablets can offer this kind of internal quality, and still provide the most rugged features available.

RUGGED AND ENVIRONMENTAL SPECIFICATIONS

Challenging environments for a computer—such as extreme temperatures, inclement weather, explosive environments, and more—are common work conditions in the oil and gas industry. Xplore Technologies designs and vigorously tests their iX104C5 tablets to withstand these conditions, so you can be assured of continuous exceptional field performance and the highest ROI.

RUGGED FEATURES

Oil and gas work requires certain features that come standard with the DMSR. The award-winning AllVue Xtreme sunlight-readable display provides complete visibility in all lighting conditions, so outdoor workers can easily assess visual information (e.g. maps). The resistive touch screen allows workers to manipulate the tablet interface while wearing gloves. In addition, all Xplore rugged tablets are safe to operate in explosion-prone atmospheres (ATEX and UL1604 Class I Division 2 certified).

RUGGED SPECIFICATIONS

Xplore iX104C5 tablets are custom engineered to withstand damage; they incorporate a strong magnesium alloy chassis, cushioning for inner mechanisms, and a scratch-proof display. The iX104C5 DMSR is fully protected against dust and can be submerged in liquid (IP67); so spills and chemicals pose no problem. As for MIL-STD-810G testing—the industry standard for measuring hardware durability—Xplore tests their tablets (using certified third-party testing organizations) to these specifications more vigorously than their competitors. The iX104C5 tablet has the highest drop test rating in the industry: 7′ operating drop to plywood, 4′ operating to concrete. The computers are also tested to withstand extreme temperatures (-34°F to 140°F operating), as well as other situations common to the oil and gas industry, such as vibrating vehicles (e.g. frac trucks), sudden temperature changes, blowing rain and sand, humidity, salt fog spray (e.g. offshore operations), shocks/drops from all angles, high altitudes, low pressure, fluid contamination, and more.

NO MORE BREAKDOWNS

Downtime and lost data due to malfunctioning equipment can accrue massive costs. Xplore Technologies has designed their iX104C5 tablets to prevent malfunctions resulting from adverse conditions. The tablets can handle a wide variety of projects and environments and still work at maximum capacity, whether that's in the Arctic conducting a seismic survey, in a refinery checking for leaks, or in a down hole measuring mud samples.

COMPATIBILITY AND MOBILITY

Oil and gas companies must contend with a plethora of expensive software and equipment, and integration is tricky. If new hardware must be customized to sync with these tools, implementation delays, organizational confusion, and potential data errors are to be expected. Xplore iX104C5 tablets avoid these disruptions by offering unparalleled software and device compatibility. As a result, these computers can be adopted for use across a wide variety of applications, thereby consolidating data collection, streamlining operations and training procedures, and simplifying customer support needs.

MOST COMPATIBLE OPERATING SYSTEM

The DMSR features a full Windows® 7 Professional OS and is Windows 8® compatible, enabling office applications and most software to run effortlessly on the tablets. If necessary, the DMSR can also run other operating systems within a virtual PC, so just about any modern, legacy, or custom applications can be supported on the computers. Xplore's DMSR tablets also feature a host of I/O ports—including two USB ports and the option of either a Serial or VGA port—for connecting with a variety of devices for easy data collection.

HIGHLY MOBILE

Xplore Technologies' tablets are among the most mobile on the market, with vehicle and office docking options as well as extensive mounting options, so you can adapt a tablet to any situation, whether that be for desktop PC use, mounted on a frac truck, secured to an oil rig, or safely attached to any piece of measuring equipment. Docks are tested to the same MIL-STD standards as the tablets, and come with multiple ports for extending connectivity. For workers on foot, Xplore tablets come equipped with a handy carrying strap and carrying case options for easy transport.

DATA PROTECTION

Efficient project management in oil and gas projects requires a constant flow of large amounts of sensitive and vital information to numerous devices and parties. Unsecured hardware puts your business at risk for data theft and loss. Xplore Technologies' designs their iX104C5 tablets to keep your most valuable trade secret—your field data—safe.

DATA SECURITY

Xplore tablets come with military grade multi-level security options to secure business critical information. A pre-boot authentication creates a layer of security that prevents the hard drive from being read until proper credentials are entered, and the standard fingerprint reader supplies extra authentication and ID control. Intel Anti-Theft technology allows the company to remotely lock down any device, while Computrace can map the location of the tablet through GPS coordinates. TPM 1.2 protocols, which govern encryption processes and standards, verify the integrity of the machine and ensure the tablet operates within its set specifications. Finally, a standard Kensington Lock Slot protects from physical theft. Together, these security features give ultimate control over essential data.

PROTECTION FROM DAMAGE

The iX104C5 tablets also come standard with solid state drives (SSD) to preserve data integrity. Unlike traditional hard drives, SSDs have no damage-prone spinning parts and feature flash-based technology for vastly superior data retention properties and performance. In addition, Xplore tablets are the only tablets to offer RAID 1 configuration, which duplicates information onto two different drives, providing backup should one drive fail. Xplore equips its products with a field-removable SSD feature; should a tablet fail, the data can still be transferred to another device via the undamaged SSD drive.

WORKFORCE MANAGEMENT AND SAFETY

Much of the work in the oil and gas industry requires careful collaboration between large teams of people, including engineers, geophysicists, operators, specialists, and many others. If efforts aren't perfectly coordinated among all members of the teams, a project can rack up costs from work stoppages or safety and equipment oversights. Xplore's iX104C5 DMSR tablets improve situational awareness and transparency by providing your workforce with a means of constant connection and communication, so jobs can be monitored, projects can be carried out efficiently, and risks can be assessed and avoided before they occur.

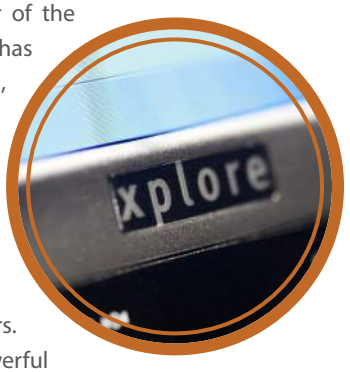
ADVANCED COMMUNICATIONS

Xplore iX104C5 tablets come standard with integrated top-of-the-line communications tools. The DMSR includes RJ-45 (10/10/1000) Ethernet, Bluetooth, 801.11 a/b/g/n Wi-Fi, and USB/MicroSD support for non-proprietary connectivity accessories. Optional GOBI 3000 WWAN enables broadband connectivity from any location, and an additional custom-engineered, high-gain mobile broadband antenna enables continuous connectivity on the fringes of the network, so workers can stay connected and access instructions and other information on their tablets from the most remote sites. Xplore tablets also feature an integrated camera, noise-cancelling microphone, and speakers—all standard—to aid in bolstering situational awareness, negotiating hazards and problems, and coordinating your workforce.

LOWERING TOTAL COST OF OWNERSHIP

While other rugged tablet PC makers claim to offer it all, Xplore Technologies delivers the superior performance, rugged design, top-of-the-line communications, and mobile versatility expected of high quality rugged PC tablets, and also surpasses all others in their commitment to lowering total cost of ownership. Xplore Technologies maximizes ROI by using the latest high performance standards while producing the industry's most rugged PC, designed to minimize obsolescence, maximize product life-cycle, and optimize field productivity. It starts with a rugged design engineered and tested to prevent damage in real-world conditions—not just lab scenarios. Xplore then gives you control over the tablet's life-cycle to further reduce TCO by offering the industry's only field repairable and upgradeable rugged tablet PC. In terms of safeguarding your ROI, Xplore Technologies also sets the standard. The warranty for each iX104C5 tablet is based on published specifications and rugged testing results to guarantee correct performance, and is one of the industry's highest and most comprehensive standard three year warranties, including single point-of-contact support.

ABOUT XPLORE TECHNOLOGIES



Xplore Technologies Corp., maker of the most rugged tablets on Earth, has been in the business of developing, integrating, and marketing industrial grade rugged tablets for our customers in the Energy, Utilities, Manufacturing and Distribution, Public Safety, Field Services, Transportation, and Military sectors for over 15 years. Xplore Tablets use the most powerful and modern processors and components and are tested more vigorously for shock, thermal, vibration, impact, ingress and emissions than any other PC in the industry. Xplore's products enable the extension of traditional computing systems to a range of field and on-site personnel, regardless of location or environment. Xplore's portfolio of products is sold on a global basis, with channel partners in the United States, Canada, Europe and Asia Pacific. Xplore's main offices are located in Austin, Texas with regional sales offices throughout the U.S., Canada and Europe. Xplore is a public company that trades under the symbol XPLR on the NASDAQ Stock Exchange.