

BRINGING SECURITY TO THE CONSTRUCTION JOB SITE



OVERVIEW

OBJECTIVE: HELP DEWALT BRING TO MARKET SOLUTIONS FOR THE NUMBER ONE CHALLENGE FACING CONSTRUCTION BUSINESSES – THE NEED TO STEM ASSET LOSSES ON THE CONSTRUCTION JOB SITE.

SOLUTION: DEWALT SITELOCK™ AND MOBILELOCK™, M2M SOLUTIONS THAT ENABLE PROTECTION OF CONSTRUCTION JOB SITE ASSETS.

RESULTS:

- ▶ REDUCTION OF THEFT AND VANDALISM
- ▶ RAPID ASSET RECOVERY
- ▶ ELIMINATION OF “LOST TIME” ON THE JOB SITE

ABOUT NUMEREX

NUMEREX IS A LEADER IN PROVIDING WIRELESS FIXED AND MOBILE M2M SOLUTIONS, AS WELL AS A BROAD RANGE OF RELIABLE, COMPETITIVE NETWORK SERVICES AND TECHNOLOGY. A SINGLE-SOURCE PROVIDER FOR M2M REQUIREMENTS, NUMEREX ENABLES REAL-TIME WIRELESS DATA COMMUNICATIONS, MONITORING, TRACKING, AND SERVICE MANAGEMENT TAILORED TO THE NEEDS OF EACH APPLICATION, CUSTOMER AND INDUSTRY.



DEWALT is a leading manufacturer of industrial power tools with more than 300 power tool and equipment products as well as 800 power tool accessories. With over 1,000 factory owned and authorized locations, DEWALT has one of the most extensive service and repair networks in North America.

OBJECTIVE

DEWALT surveyed more than 1,500 construction professionals and found that jobsite security was the number one concern among construction industry end users and buyers. The study showed that 97 percent of construction professionals were concerned about jobsite theft, which causes losses of more than \$1 billion in the United States each year. More than 60 percent of those surveyed indicated that tool theft was their biggest concern, posing the greatest financial threat to their job profitability. More than 50 percent of the respondents reported that they had equipment stolen from a job site within the past 12 months, and more than 77 percent had experienced a theft up to five times each year over the past three years.

With a longstanding track record of providing the construction industry’s most essential tools, DEWALT looked for a proven partner to work with in order to bring to market wireless security solutions that would help stem the flood of losses from construction job sites.

SOLUTION

To address these concerns, DEWALT teamed with Numerex to develop and market comprehensive security solutions for the construction industry. Numerex brought to the relationship extensive expertise in digital wireless security, network solutions, custom application interface design, a robust infrastructure, and backend services and support. DeWalt brought its in-depth knowledge of the industry, rugged, job-site-ready hardware components, as well as established industry relationships.

The two companies introduced DEWALT SITELOCK™ in 2005. SITELOCK is a portable security solution that wirelessly monitors numerous pieces of equipment, areas, and storage buildings on the job site. When an intruder attempts to enter into a secured area, disturb a secured piece of equipment, or remove a sensor, an alarm is triggered and a wireless signal is sent immediately across Numerex Networks™ to alert the central monitoring station and designated end users. Construction company owners and designated users receive actionable information that helps stop a crime in progress. With its simple installation and proven reliability, SITELOCK became a hit with customers across the country reporting thwarted theft attempts and the apprehension of criminals caught in the act.

“As a victim of jobsite theft, I can speak to the amount of time and money lost when theft occurs. This is a major problem facing the construction industry today.”

Kevin Howe, Juniper Construction

SOLUTION COMPONENTS

NETWORK CONNECTIVITY: NUMEREX NETWORKS™

PROVIDES NORTH AMERICAN NETWORK SERVICES THAT PROVIDE TELECOMMUNICATIONS BETWEEN THE ONBOARD DEVICE, THE MOBILE APPLICATION, AND THE CONSUMER/END USER.

APPLICATIONS INFRASTRUCTURE: NUMEREX NETWORK OPERATIONS CENTER, ATLANTA, GA

PROVIDES PRIVATE LABELED CALL CENTER AND SUPPORT FOR ACTIVATIONS, TECHNICAL AND CONSUMER SUPPORT AND ACCOUNT MANAGEMENT. PROVIDES APPLICATIONS PLATFORM THAT COLLECTS INFORMATION FROM THE FIELD AND ASSISTS IN TROUBLESHOOTING DEVICES AND ANSWERING TECHNICAL QUESTIONS.

APPLICATIONS SOFTWARE: CUSTOM NUMEREX FIXED SOLUTION

PROVIDES WEB SITE DEVELOPMENT AND MANAGEMENT. POWERS THE END USER WITH A WEB PORTAL. PROVIDES GATEWAY SOFTWARE DEVELOPMENT AND SUPPORT.

PRODUCT HARDWARE: DEWALT INDUSTRIAL TOOL COMPANY

PROVIDES HARDWARE DESIGN AND MANUFACTURING, MARKETING AND SALES CHANNEL DISTRIBUTION.



Building on the success of SITELOCK, DEWALT and Numerex teamed again to bring the benefits of digital GPS technology to construction job site. Together they developed a revolutionary solution specifically designed to not only protect equipment on the job site, but also to track and recover missing job site assets.

The resulting solution, DEWALT's MOBILELOCK™ GPS Locator with Anti-Theft Alarm, is a stand-alone, portable, rugged wireless locating and alarm system that is easily and securely mounted to construction equipment. MOBILELOCK features a GPS locator that helps locate lost or stolen assets, and transmits an alarm any time a protected piece of equipment is disturbed. With Numerex Networks™ and Numerex's SMSXpress™ gateway, alarm notifications are sent instantly to the central monitoring station and up to three users via phone or email. With Numerex's 24x7 access and support, and real-time alarm message delivery, MOBILELOCK helps catch the bad guys and recover assets before they make it far from the job site.

Using sophisticated Location Based Services (LBS) technology provided by Numerex Networks, MOBILELOCK provides the most accurate location capability, even in impaired environments such as inside trailers, and buildings without the use of external antennas. LBS technology leverages a device's physical location to provide location-relevant information to MOBILELOCK users. For example, high-value construction equipment misplaced, lost or stolen can be located with precise coordinates.

RESULTS

Reducing theft and vandalism on the job site offers immediate and positive financial impacts. Valuable assets are no longer lost, work remains uninterrupted and insurance costs decline. The best testimonies to the success are the businesses that

count on the products to protect and recover their valuable assets. Among them is Scott J. Drees of Altius Building Co. in Brookfield, Wisconsin.

After starting a high-end building renovation, Altius' job site was broken into all too frequently. The company tried padlocks, security fencing, and security cameras to no avail. After four months and nine break-ins, resulting in thousands of dollars in lost tools and materials, Altius adopted DEWALT SITELOCK. In just one week, Altius had the thief in hand—and from the video it appeared they had the same thief responsible for past break-ins. The thief, who had used a ladder to obtain access to the second floor of the building, breaking a window and alarming a motion sensor on that floor, was caught by police, and Altius has been free from break ins since.

Putting DEWALT MOBILELOCK to the test, the Will County Sheriff's Department of Illinois, along with the Tri-County Auto Theft Task Force, combined resources to address jobsite theft. The task force implemented three MOBILELOCK units to identify areas of frequent jobsite theft, capture the thieves and recover the stolen assets. Within two months of using the MOBILELOCK units, the task force caught nine thieves and recovered approximately \$237,500.00 in stolen heavy construction equipment. Saving man hours and hundreds of thousands of dollars, investigations are now resolved within an hour because of the solution's GPS technology and Numerex Networks SMSXpress real-time tracking capability.

Protected with reliable, secure solutions developed by Numerex and DEWALT, construction job sites are no longer vulnerable to the techniques of thieves and crime rings. With solutions that can help catch criminals red handed and recover valuable assets quickly, companies like Juniper and Altius have peace of mind that their job sites are secure around the clock. Without man hours lost on job site theft, construction companies can now focus on their most important assets—their clients and their businesses.