Omni-ID Prox™ Tags

Enabling Full Verification of Disk Drive Destruction
in Volume Destruction Services

Omni-ID
Intelligent Tracking & Monitoring Devices

omni-id.com

Tracking of removable/portable media containing potentially sensitive, personally identifiable information has become critical given the amount of sensitive information contained on such media.

Results

Industry
Information Technology

Results/Benefits
Verification of disk destructions provides demonstrable support to management's intent for appropriate controls over sensitive information. Payback is in "soft" cost savings as insurance in the event of investigation or query into management practices. The solution may also provide support under Federal Sentencing Guidelines.

The Challenge

Theft and loss through careless handling procedures are the primary means by which sensitive information is inadvertently disclosed. In the case of portable media, much of this release happens as laptops and storage hardware is decommissioned without proper erasure. Conventional means to overwrite data on drives is infeasible due to the time it takes to properly overwrite all sectors on a drive.

Data protection and reporting laws (GLBA, HIPAA, SB1386 and derivatives, US Safe Harbor, EU Data Protection Directive) are a strong compliance requirement for tracking the location of sensitive information and maintaining control over it. When media that potentially contains sensitive information goes unaccounted for, costs associated with remediation and reporting of the loss range from $95 to $305 per record. A lost laptop drive can easily cost over $95M in lost labor and "out-of-pocket" expense, not to mention the hidden cost of reputation damage. Failure to control information adequately can lead to government fines, 20-year audit requirements, and even civil litigation..

The Solution

On-metal, low profile Omni-ID Prox™ tags are applied to disk drives to provide a unique identifier, and near perfect read performance, as drives are crushed. Crushers handle up to 60 drives an hour. As drives are crushed, tags on the drive are crushed as well, so verification of destruction by unique drive ID is provable.

The Implementation

As computers are received for decommissioning, the unique ID of the computer is associated with the internal drive by the information encoded in the transponder placed on the hard drive. Tagged drives are positioned for destruction in the disk crusher in such a way that the Omni-ID transponder will be crushed as the disk is crushed. The reader records the signal from the transponder until the transponder "flat lines" due to destruction. Thus, a verification of destruction of the disk is uniquely identified and recorded as part of the company records.

The Investment

• Omni-ID Prox™ RFID tags for drives

• RFID readers

• Crusher (such as EDR Hard Disk Crusher)

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Visit www.omni-id.com to learn more or email sales@omni-id.com for all product or technology inquiries and we will be pleased to get in touch.

Omni-ID is the leading supplier of passive, low-profile UHF RFID solutions. Through our patented technology, Omni-ID "cracked the code" to overcome the problems traditionally associated with RFID, enabling a broad range of new applications that improve accuracy and efficiency in asset tracking, supply chain management and work-in-process. Our family of versatile RFID tags works reliably in the harshest environments, including on, off, and near metal and liquids and excels in solving tracking and identification challenges with unprecedented accuracy. With offices in the USA, UK, Asia and India backed up by a purpose-built manufacturing facility in China, our mission is to drive the widespread adoption of RFID and wider IoT technologies as the optimal tracking and identification devices.