

DISCOVER PERFECT INTEGRATION WITH SCANNING SOLUTION

INTERGRAPH SMART® MATERIALS MOBILE SCAN



Bring Intergraph Smart® Materials out of the office and into the hands of the warehouse, laydown area, and site users. To help make this possible, Hexagon PPM offers Smart Materials Mobile Scan, a proven, automated, intelligent, simple, reliable, and flexible barcode, QR code, and RFID material management solution.

Intergraph Smart Materials Mobile Scan was developed for the warehouse and site users. Fully integrated with Smart Materials, Mobile Scan allows unprecedented direct access to information required by site users at their site. Using our barcode management system, material is tagged using traditional barcodes, QR or 2D barcodes, or RFID tags, and then monitored and managed using a handheld device. From the handheld device, site users can perform all of their day-to-day activities, even receiving material, transfer-ring material, conducting inventory checks, quickly locating material, and issuing material. Once synchronized, users can perform their day-to-day operations, including if they are outside of network coverage. All data is safely synchronized when connected back to the network.

Mobile Scan is fully integrated with Intergraph Smart Materials and fully compatible with existing mobile hardware, such as devices and scanners. This means no additional outlay is required for new or specifically branded hardware. There are also savings on personnel, unlike other solutions because Mobile Scan has no requirements for ongoing technical support for new client projects. Once up and running, you are completely self-sufficient.

“ You have a few people doing key pieces of those jobs and then letting the technology actually work for you...letting the system or tool work harder and allowing you to work smarter.”

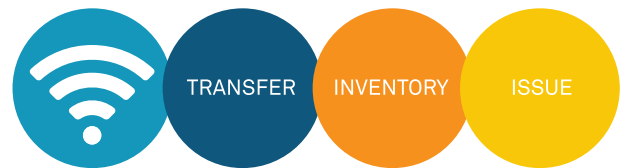
Tina Landrum

IHI E & C, Smart Materials Administrator

STRAIGHTFORWARD WAY TO RECEIVE MATERIAL

Mobile Scan allows you to generate material receiving reports in Smart Materials and sends out automatic email notifications upon report creation. Once a shipment arrives, the barcode or RFID (passive or active) is scanned and the system pulls data from Smart Materials and knows precisely what should be in any given delivery. Mobile Scan can also auto-group the materials based on required criteria issued in the purchase order as well as release notes coming from the procurement department or supplier. Mobile Scan makes it easy to track and organize materials in a logical manner.

By using GPS technology, Mobile Scan enables users to accurately map the precise location of materials. Goods can be inspected and actions taken on the spot, meaning issues are not forgotten or ignored. A robust material handling workflow helps protect the ultimate quality of your work and the project as a whole.



EASY WAYS TO TRANSFER MATERIALS

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AN ACCURATE WAY TO CHECK YOUR INVENTORY

Smart Materials Mobile Scan ensures your inventory checks are accurate and fast. This helps you keep better control of your material spend, reducing waste and driving cost efficiency.

Users can quickly create a materials list, detailing known locations and quantities. It's even possible to generate a physical count sheet to speed up the stock check and ensure better accuracy. Users then simply scan materials while moving around the site, using barcode scanning with the in-built camera or RFID scanning with a coupled Bluetooth device. The count is compared to Materials' Smart database. Reconciliation reports are quickly generated and emailed out detailing recorded materials compared to expected materials. No manual input is required beyond any periodic inventory assessments your company may require, which helps reduce error and maintain quality.

LOCATE MATERIALS EASILY

Mobile Scan enables users to track the exact location of stored materials by using GPS coordinates. With a built-in step-by-step guided navigation system, Mobile Scan automatically updates distance and direction dynamically, based on the device location.

A SIMPLE WAY TO ISSUE MATERIALS

Smart Materials Mobile Scan can perform direct issues - by BOM, drawing reports, or by reverse pick ticket which allows users to issue material in step one - and later allocate the issued material to the corresponding drawings. This can be done easily from a handheld device onsite, at the shop, or in the yard. Items are easily identified from a picking ticket, and actual quantities issued vs. requested quantities are automatically indicated back to Materials. Picking tickets can also be generated on the go right from the handheld. No manual input is required beyond scanning, so the shared resource is kept up-to-date and accurately reflects the as-is site.

WHY CHOOSE SMART MATERIALS MOBILE SCAN?

ELIMINATE WASTE AND DRIVE SAVINGS

Scanning materials on the go allows you to accurately and precisely track material locations. Using Smart Materials Mobile Scan, you can dramatically reduce the risk of lost materials being received and issued for construction. Not only does this save money by not having to repurchase lost

inventory, it also means you save by not needing to dispose of excess inventory at end of projects at or below cost.

BENEFITS OF SMART MATERIALS MOBILE SCAN



Eliminate Waste; Drive Savings with Maximized Material Accountability at Site



Increase Work Efficiency Through Access to Single Source of Constantly Up-to-Date Information



Enhance Capabilities Through Access to Intergraph Smart Materials in Field



Deploy and Upgrade Quickly without any outages





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WORK EFFICIENTLY

Smart Materials Mobile Scan is over 90 percent more efficient at receiving and issuing process at sites. The efficiency can be seen in labor cost savings and from timeliness of recording accurate data back into Smart Materials.

Smart Materials is always up-to-date with quantities on hand or in reserve. The simple asset tracking functionality allows you to find materials quickly when you need them, so downstream processes are not slowed, causing delays and additional cost. The mobile application allows data to be collected at the source and made available almost immediately, as opposed to later in paper format or once Smart Materials is manually updated. We reduce the amount of manual input required and eliminate data integrity issues between systems.

GET MORE FROM SMART MATERIALS

Scan is part of Smart Materials and connects directly to its database, which means you are not reliant on a third-party system, which could introduce additional cost, risk, and delay.

You can store and consistently report materials information from within the Smart Materials system. Because it integrates with this system that you already know, no additional project support is necessary to utilize this added functionality.

DEPLOY WITHOUT DISRUPTION

With all these promised potential savings, you might be thinking, "How long will it take me to actually get there?"

Rather than worrying about a long and expensive deployment process, Smart Materials Mobile Scan can be up and running on your site in one week.

Existing RFID or mobile devices technologies can be used with the advanced functionality of Smart Materials, without any need for additional outlay or complex training. This integration with RFID and GPS technologies allows supplementary tracking flexibility in addition to locations recorded in Smart Materials, unlocking further potential for efficiency. Mobile Scan is easy to use; its simple interface significantly reduces user training requirements. The UI has been designed for use with gloves on, resulting in no need to remove personal protective equipment to operate the system.

Rapid deployment and user training in system configuration, administration, and operating practices mean you can begin to save costs and work more efficiently almost immediately.

About Hexagon PPM

Hexagon PPM is the world's leading provider of enterprise engineering design software and project control solutions. By transforming unstructured information into a smart digital asset, our clients are empowered to visualize, build, and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire life cycle.

Hexagon PPM is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technology solutions that drive productivity and quality across geospatial and industrial landscapes.