



CUSTOMER CASE TRIMBLE

People, Tools and Other Things

Trimble's exclusive IoT Applications on BaseN Platform

Trimble licensed BaseN Platform for new Industrial Internet of Things applications. BaseN's secure and scalable architecture has allowed Trimble's ThingMagic Division to realize faster time-to-market, lower operating costs and improved workplace safety for a new class of applications.

The first one, CrewSight, has been launched to enable process optimization with enhanced overall security at construction sites. CrewSight provides full insight into a construction site. Every worker receives an RFID-enabled badge and is pre-registered into the system. An RFID reader captures a worker's badge every time he enters or leaves the various sections of the construction site. Multiple construction sites can be seen from the same web portal, which makes supervision and monitoring remarkably efficient.

Trimble applies technology to make field and mobile workers in businesses and government significantly more productive. Solutions are focused on applications requiring position or location including surveying, construction, agriculture, fleet and asset management, public safety and mapping. In addition to utilizing positioning technologies, such as GPS, lasers and optics, Trimble solutions may include software content specific to the needs of the user. Wireless technologies are utilized to deliver the solution to the user and to ensure a tight coupling of the field and the back office.

Baseⁿ

A flexible and **scalable system** that is easy to deploy

Powerful **analytics and correlations** to increase construction efficiency and security

At a glance insight to the many ongoing of a large and busy construction site

Real-time tracking of labor and tools

WHAT

- Create a system that validates the costs of internal teams and subcontractors by providing detailed information about which workers are on site and the times they are there
- Create a flexible and scalable system that is easy to deploy and one that is perfectly suited to the rigors of a construction site

WHY

- Improve visibility into the costs of labor on building construction projects
- Improve return on investment and overall cost-control for construction managers
- Easily correlate productivity with actual working hours
- Compare the performance of multiple work sites
- Prevent loss of expensive equipment

HOW

- Every worker receives an RFID-enabled badge and is pre-registered into the system
- An RFID reader captures a worker's badge every time he enters or leaves the various sections of the construction site
- Utilizing positioning technologies, such as GPS, lasers and optics
- BaseN Platform's powerful analytics allow efficient resource planning
- With BaseN, Trimble got a system that can be easily tailored to meet individual requirements

**With Trimble CrewSight,
hosted on BaseN
Platform, project
leaders clearly see who
is where doing what on
construction sites**

Baseⁿ

ONE IOT PLATFORM FOR ALL THINGS

BaseN Platform collects, stores, analyzes, visualizes and controls data coming from any sensor or RFID tag. This allows to effortlessly track the entire work site, ranging from people to tools and other equipment.

Through BaseN's analytics and visualization, relevant insight is given into the actual hours crews are on site, what zones of the site crews are working on and that everyone on site has proper clearance to be there is ensured.

UNDERSTANDING THE TRUE COST OF LABOR

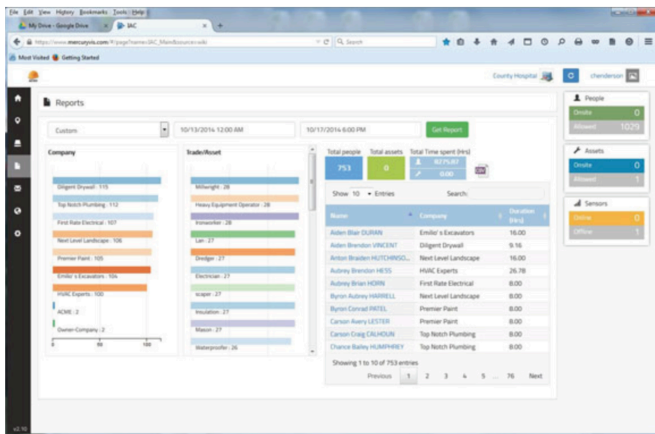
Because labor costs can contribute up to 40% of total project costs, construction managers need to have total confidence in the sources of those costs.

To improve overall cost-control and be competitive, project managers need to correlate productivity with actual hours of working time.

CrewSight validates the costs of internal teams and subcontractors by providing detailed information about which workers are on site and the times they are there.

PREVENTING LOSS OF EXPENSIVE EQUIPMENT

Also expensive tools can be equipped with an RFID tag. This enables Trimble to follow and locate the tools easily, ensuring that expensive equipment won't be lost or stolen.



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**WALSH
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PLUMBER



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