



SUMMARY

Customer



Orica Ltd

Partner



BARTEC

Industry

Manufacturing

Location

Worldwide

Challenge

Orica wanted to improve the traceability of supply chain materials and inventory at its manufacturing sites

Solution

- BARTEC Touch Computer TC75Xex-NI
- SOTI® MobiControl
- Zebra StageNow
- Orica Track & Trace application
- BARTEC Managed Services Agreement

Results

- The solution enables Orica to have a real-time overview of inventory and materials along the supply chain, from raw material to end product, and, as such, is significantly increasing accuracy and traceability
- The intrinsically safe devices promote worker safety in the potentially explosive environment of the production sites
- The excellent collaboration between BARTEC and Zebra Technologies is ensuring a successful, turnkey, supported deployment

Australian Explosives Manufacturer Deploys Intrinsically Safe Zebra Touch Computers for Improved Traceability and Inventory at its Production Sites Worldwide

Orica is an Australian-based multinational corporation, with its head office in Melbourne and locations worldwide. It is one of the largest providers of commercial explosives and blasting systems to the mining, quarrying, oil and gas, and construction markets, a supplier of sodium cyanide for gold extraction and a specialist provider of ground support services in mining and tunnelling.

Challenge

As part of its worldwide cloud-based SAP implementation, Orica wanted to deploy a best-in-class, updated track & trace and inventory management solution at its production sites worldwide, so real-time, accurate information from these sites could be available across the business. The internal Orica IT team designed an in-house track & trace application, comprising three modules and developed on a Neptune Software platform, but it still needed a reliable, robust device with best-in-class scanning capabilities to run the application.

Zebra Technologies had had a successful, established working relationship with Orica in Melbourne for some time, having previously supplied standard touch computers and printers to the business. However, in view of the potentially explosive and flammable materials Orica handles at its production sites, the local Zebra team was aware of the need for intrinsically safe devices and consequently introduced Orica to BARTEC's commercial office in Australia. Orica was originally considering deploying just a small percentage of intrinsically safe devices. However, after a series of assessments and tests, it decided to exclusively deploy TC75X^{ex}-NI devices across the production sites, so any potential risk was completely eliminated.

Solution

BARTEC and Zebra Technologies collaborated to provide Orica with a turnkey solution. Zebra customised SOTI® MobiControl to Orica's needs and, using Zebra StageNow, BARTEC then preconfigured each of the TC75X^{ex}-NI devices in its production facility in Germany, loading SOTI MobiControl and the relevant modules (UAT, D1R and PROD) of Orica's Track & Trace application for each site; on an ongoing basis, SOTI MobiControl is used to remotely manage, troubleshoot and update the devices.

Over 450 devices have already been deployed to teams at production sites in Australia, Belgium, Brazil, Bulgaria, Canada, Chile, Colombia, Denmark, Finland, India, Jersey, Mexico, New Zealand, Norway, Peru, Philippines, Portugal, Singapore, South Africa, Spain, Sweden, UK, USA and Zambia and are being used by teams to run regular inventories and to trace materials and products along the manufacturing supply chain. The solution is fully integrated into Orica's SAP back-office ERP systems, so information captured by the high-performance scanners and processed in the Track & Trace system is immediately available company-wide. In this way the business has the maximum information available on every single

SUCCESS STORY

ORICA



product it distributes and also has an accurate, real-time overview of its inventories, so it can manage any shortfalls or surplus stocks efficiently.

Moreover, the partnership with BARTEC Australia and Zebra means Orica has one centralised managed services agreement covering all its devices and, should a TC75X^{EX}-NI need to be repaired or assessed, it is first sent to Zebra, who resolve any software issues. If it is a hardware issue, BARTEC in Australia gets a notification and provides an RMA number and shipping information for the customer to send the device to the repair centre in Germany to be assessed, repaired and replaced, if necessary, before being returned to the relevant Orica site. BARTEC Australia tracks the device at all stages of its journey. Emelson Pagoso comments: “The timely manner of repairs, not that we’ve had many to be honest, and the excellent ongoing support from both Zebra and BARTEC are key to the long-term success of this project.”

Results

The solution is enabling Orica’s supply chain division to effectively track inbound and outbound goods across the entire supply chain process, from raw material to end product. Traceability and inventory accuracy have both significantly improved, with real-time, accurate information now being available in Orica’s centralised SAP systems. This greater visibility, in turn, is enabling Orica to make improved, informed business decisions and consequently save time and cost across the business. End users have particularly praised the ease of use of both the touch computers and the application; and the very strong collaboration and partnership between Zebra Technologies and BARTEC Group has also played a key role in the success of this project. Indeed, the deployment is ongoing and part of Orica’s drive to progressively move to one single central SAP and Track & Trace application, and the hope is to roll out the solution to further sites, once COVID-19 restrictions allow.

“We love working with BARTEC and Zebra. BARTEC is a proactive, responsible partner; and the Zebra devices are reliable, easy-to-use and robust, and offer high performance, first-time accurate scanning. This is a huge, global project, so could have been quite challenging, but the close collaboration between BARTEC and Zebra and the excellent support they both provide means the project is running really smoothly.”

Emelson Pagoso,
IT engineer, Orica Ltd

**For more information,
please visit: www.zebra.com
and www.bartec.com**



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