Solution Brief

ProSoft Technology®

Manufacturing Communication Solutions

> With the advent of smart conveyors, manufacturing plants have been able to optimize their resources and achieve greater accuracy. By using moving equipment for parts delivery, product conveyance, and more tasks, companies have been able to improve workers' safety, reduce downtime, eliminate inefficiencies, and improve production. However, the systems involved represent a significant investment, and it's one that is in your best interest to protect if you want to show ROI and add to your plant infrastructure in the future. Showing the success of smart conveyors and other automated material handling equipment typically requires implementing a strong communications network.

Raw Material Supply Solutions

Manually carrying needed items from station to station in your facility isn't the most efficient use of personnel in your plant. Manufacturers worldwide have realized this and made the switch to automated guided vehicles (AGVs) or overhead cranes for the transportation of materials. However, the investment in this equipment is made moot if the addition of moving machinery isn't accompanied by a robust wireless communications network that can keep up with your materials to ensure they're where they need to be.

Accurate tracking can mean the difference between smooth deliveries within your plant and injuries or downtime when even one AGV is unreliably tracked. ProSoft's Industrial Hotspot wireless radios help ensure real-time monitoring of your AGVs with Ultra-Fast access point switchover times of less than 10 milliseconds. For crane applications, you can pair the radios with radiating cable, a flexible solution that helps minimize the impact of interference in your plant.

Italian eco-ethical company benefits from product delivery via AGVs:
Gruppo Mauro Saviola paired wireless radios with its wood-carrying AGVs – and *realized several benefits.*

Production Solutions

If you've seen half-built cars making their way down the production line, you likely have an idea of the precision involved. The electrified monorail systems and skillet lines used in automotive production also benefit from the Industrial Hotspots' Ultra-Fast access point switchover times and reliable, real-time communications.

If you have a filling machine, you may be familiar with the problems caused by slip rings. They can be prone to breakage, limiting production and running up maintenance costs. A more reliable alternative is *radiating cable* – its flexibility is ideal for rotating machines, and it can be paired with industrial wireless radios in a scalable setup.

Eliminating crashes in an automotive plant: An Ecuador facility's paint shop *added wireless radios* and found several benefits – including no more crashed cars.

OEM increases rotating machine's reliability: A machine builder sought to increase its equipment's efficiency. *Find out* how they met their goal and reached several other benefits.

Summary

There's so much at stake in manufacturing environments involving moving equipment – your workers' safety, potential downtime, reduced production, unneeded maintenance. Protecting your investment with a robust wireless communications network can help you show ROI from your facility's improvements, and maintain production levels. By using solutions designed to withstand the rugged environment of manufacturing plants, you can ensure real-time monitoring and control of your equipment.

Contact us **to learn more!**

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▶ Tech Support

ProSoft Technology's technical support is unparalleled in the industrial automation industry. To continue our world-class technical support, we have opened offices in most time zones in an effort to support our customers at a local level. See Regional Tech Support contact information above.

ProSoft® TECHNOLOGY

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