



Solution Brief

ProSoft Technology®

Automotive Communication Solutions

Huge automotive investments make their way through a crowded facility. If one false equipment move happens for a split second, that vehicle component could be ruined. No pressure, but having reliable communications for your automotive plant could be the difference between a line of new vehicles making it out of the facility on time for consumers and a very bad phone call to corporate HQ.

With accurate, scalable wireless solutions designed for an industrial environment, you can increase efficiency, reduce downtime, and ensure you know exactly where product is in your facility in real time. Learn more below about available wireless solutions and how your automotive plant will benefit.

Wireless Radios

When you have expensive car frames moving down the line, the last thing you want is for one to be half a second off...or for a delay down the line to cause collisions further back. These are nightmare scenarios – but avoidable ones. With wireless radios designed for moving applications, you can ensure your finished product makes it to consumers in one gleaming piece. ProSoft's Wireless Hotspot radios feature Ultra-Fast access point switchover times of less than 10 milliseconds, ensuring streamlined communications for electrified monorail systems, automotive skilnet lines, and AGVs in your plant.

Case Studies



Eliminating Crashes in an Ecuador Automotive Plant

An automotive manufacturer needed to improve the electrified monorail system in its paint shop. Adding connected industrial radios helped them eliminate an issue where mobile carriers were colliding.

[Read the case study!](#)



Auto Manufacturer Increases Paint-Shop Production by 53%

A "Big 3" company was experiencing high error rates and other issues with its sliding-contact conductor rail. After switching to wireless radios, they saw a big jump in production capacity.

[Read the case study!](#)



KIA Motors Utilizes Wireless Solution to Monitor Overhead Cranes

Workers in a Slovakia plant used to have to climb stairs or a ladder to connect the crane controller to a processor. The company has found a safer, more efficient solution in wireless radios.

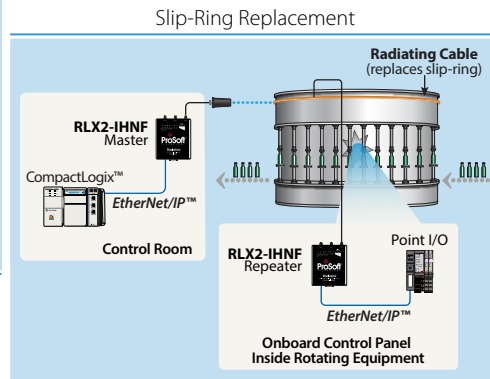
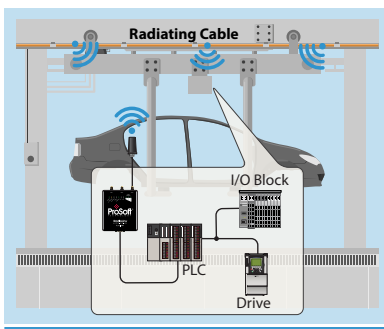
[Read the case study!](#)

Radiating Cable

There will likely be no shortage of signals in your automotive plant. This can cause issues for any wireless network: Clashing signals can diminish the quality of your communications, which is especially harmful to both workers and equipment in a space with moving components. Some facilities can support antennas, but others will need to opt for radiating cable, a flexible alternative for signal-heavy environments. Its design allows it to be placed in spots where traditional antennas cannot be used. Radiating cable provides a more consistent signal by eliminating the opportunity for obstructions to impact the signal because the mobile antenna is always a close, fixed distance from the cable.

Does radiating cable sound right for your application?

Download this **white paper** to learn more about how it can be used!



Before You Start

Pondering what you may need to create a top-notch wireless communications network for your plant? We suggest taking stock of your facility's environment and goals.

- Is being able to add to your network easily a priority for the future? Make sure to opt for a wireless radios that can be implemented seamlessly into your network, and can communicate back to the central control system.
- Is your facility antenna-friendly or would radiating cable be a better fit? We recommend talking with a trusted vendor to determine the best option for reliable connections in your facility's environment.
- Do you have wireless channels in the 5 GHz range available to dedicate to your conveyance system?

If you have questions about what wireless solutions may be best for your facility, **give us a call!**

ProSoft's wireless experts can walk you through your options for seamless communications.

Summary

With such valuable product as vehicles on the line, reliable wireless communications are a must. With wireless radios and radiating cable, you can ensure real-time monitoring of precious cargo. Contact us to receive expert help in planning a reliable wireless communications network for your automotive plant!

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.



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