

# Automated Material Handling Solutions

ProSoft<sup>®</sup>

ASIA PACIFIC | AFRICA | EUROPE | MIDDLE EAST | LATIN AMERICA | NORTH AMERICA



**Raw Materials** 

Production

# Manufacturing

#### **Raw material supply solutions**

With materials being transported via AGVs or overhead cranes, you need to ensure that their transportation is closely tracked and communicated. ProSoft's Industrial Hotspot radios feature Ultra-Fast roaming, ensuring accurate, real-time communications for your precious cargo.



**Case Study:** Find out how AGVs paired with strong wireless communication led to several benefits for an automotive company OEMs **psft.com/CPX** 



**Finished Goods** 

#### **Production solutions**

- Electrified monorail systems and skillet line communications gets a boost from the Industrial Hotspots' support of Ultra-Fast access point switchover times with no loss of communications. A radiating cable solution is also a good alternative to a conductor rail, which can be unreliable and limit production.
- Have a filling machine? Slip rings can be unreliable and their maintenance is costly. A radiating cable is a replacement that can stand up to more rugged environments, and help you isolate your Wi-Fi communications in the area, reducing interference.
- · Planning a scalable design gives you the freedom to expand in the future



White Paper: Learn how your operation will benefit from a radiating cable psft.com/DFH

> Wrapping five bottles per second thanks to radiating cable psft.com/DFI



Receiving

Storage

# Warehousing



# Wireless communications for moving parts

From stacker-reclaimers to AGVs to automated storage and retrieval systems, reliable communication is a must when getting your product where it needs to go. From Wi-Fi radios to embedded radiating cables, a reliable network can help you make sure conveyors are running, AGVs are where they need to be, and products are moving toward their next destination on schedule.

• Reliable ASRS communications can lead to greater accuracy in Just-In-Time applications

• Higher pick and pack accuracy has led to delivery trucks' streamlined loading and departure

Our Wi-Fi solutions support Safety I/O communications





Shipping

#### Sorting solutions

• Barcode readers and scanners are essential in warehousing and distribution applications - but their efficiency requires accurate communication, and their protocol can be incompatible with your controller. ProSoft's modules serve as interpreters between your equipment and control system.



Case Study: A perfume manufacturer produced its samples thanks to improved communication with their scale psft.com/CP1

#### **Protocol solutions**

Your OEM may not come with a PLC that communicates wtih your current PLCs and control devices. We have in-chassis modules and gateways for PLC-to-PLC interlocking, SCADA/HMI communications, drive interfacing, and interfaces for many other types of control equipment.











#### **Remote Access Solutions**





#### Increase Your Sustainability and Reduce Your Operations Costs

Chances are, your air compressors, lighting controls, and HVAC equipment use different protocols from your control system. Thanks to ProSoft's modules, your energy-usage data can be sent directly from your building's equipment to your controller, where you can analyze and act upon the data to reduce your operations costs and meet corporate sustainability objectives.

Learn More: psft.com/CPZ



#### **Modernization Solutions**

Is your material handling system due for an update? Would you like to accomplish this without throwing your process completely off schedule? You may not have to rip and replace your existing system, causing lost productivity and likely financial losses. With a low-risk phased approach, you can reduce unscheduled downtime and modernize your legacy system on your timeline.

#### Solutions for:

- Allen-Bradley<sup>®</sup> drives
- PanelViews
- · FLEX® I/O

And other PLC brands, including:



Modicon® Quantum 984 or 584

DH+

PanelView



GE 90-30 or 90-70



TI 505 or SIMATIC S5

Allen-Bradley<sup>®</sup> Remote I/O<sup>™</sup> Network

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PanelView<sup>™</sup> Plus

EtherNet/IP™

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FLEX™ I/O

EtherNet/IP™

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PowerFlex<sup>®</sup>

Drive

EtherNet/IP™



Learn More: psft.com/CPY

Square D PLC



PLC-5<sup>®</sup> or SLC<sup>™</sup>

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#### Support and expertise for your projects

ProSoft provides a variety of resources and services for wireless applications from initial system design to site surveys to launch support and configuration support. **Tech Support:** support@prosoft-technology.com



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