

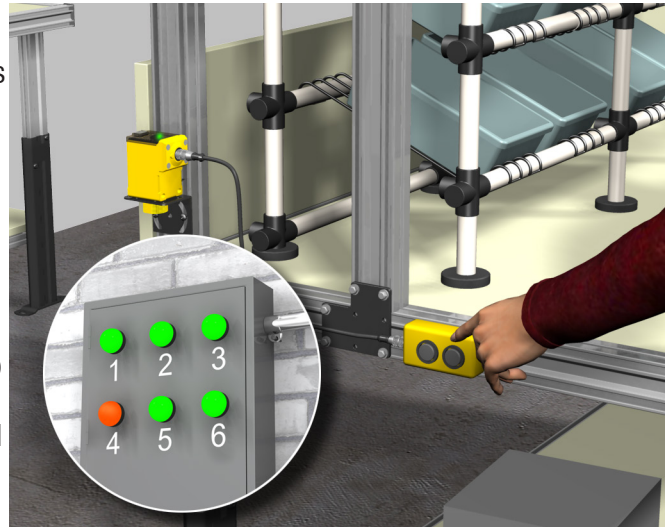
# Using Wireless Q45 Sensors to Call for Parts

## BENEFITS

- As the needs of the production operators changed, the Wireless Q45 Sensor call-for-parts system is easy to move and reinstall
- When operators run out of parts they can notify a forklift driver to bring new parts
- Supervisors can see, in real time, the parts shortage status

## APPLICATION

Production operators needed a way to easily call the forklift drivers to deliver additional parts or to remove completed assemblies from the work stations. Because the production area is frequently reconfigured when production requirements change, a wired system would require time-consuming rewiring with every reconfiguration.



## SOLUTION

Combining Banner's wireless network products and K50 indicator lights resulted in a complete parts delivery solution. This solution does not require any new cable installation and is easy to rearrange if the plant layout changes.

Each production operator is equipped with a toggle switch and a Wireless Q45 Sensor with a dry contact input. The Gateway is connected to a large lane status display board with multiple K50 EZ-LIGHTs.

When a production operator needs supplies, the operator toggles the switch connected to the Wireless Q45. The corresponding K50 EZ-LIGHT light on the display board lights up, indicating an operator needs parts.

After the parts are delivered, the operator toggles his switch again, turning the light off.

## RESULTS

Production is increased by giving forklift drivers an immediate indication of a parts shortage. Supervisors can see, in real time, the parts status of all their production lines.

***As the needs of the production operators changed, the wireless call-for-parts system is easy to move and reinstall.***

Please contact your local Banner Engineering representative or go to [BannerEngineering.com/WirelessApplications](http://BannerEngineering.com/WirelessApplications) for more information about this application

## GATEWAY CONNECTED TO CONTROL SYSTEM

Model	Description	Qty
DX80G2M6-QC	DX80 Gateway in an IP67 housing and mapped I/O for the Wireless Q45 Sensors Require 10–30V dc power. Ships with power cable, 2 dB Omni antenna, mounting hardware	1
K50LGRY2PQ	K50L EZ-LIGHT	1
PSDINM-24-10	Power Supply, 24V	1
SMBDX80DIN	DIN-rail mounting bracket for radio and power supply (optional)	1
DIN-35-105	DIN-rail section, 105mm long, 35mm design (optional)	1
BWA-EF1086	Fiberglass enclosure, 10" x 8" x 6" (optional)	1
BWA-PA108	Enclosure subpanel, aluminum (optional)	1



Equipment for each operator station



## WIRELESS Q45 SENSOR FOR OPERATOR LOCATIONS AND FORKLIFT

Model	Description	Qty
DX80N2Q45RD	Wireless Q45 Sensor - Remote Device Powered by an internal battery.	1