

## CASE STUDY

# THE POWER OF PowerG

Overcoming Connectivity Obstacles On-Site.



## Background



Richard McDermott is the General Manager at SOS Security Systems, Inc., a family-owned business and operated by Phil and Peggy Smida since 1979 in Canfield, Ohio. Phil and

Richard received a recommendation from their long-time, trusted industry contact, John McCardle; and, based on his recommendation, the SOS Security team transitioned to JCI intrusion technology in 2020. John next introduced the team



to PowerG wireless technology because of the performance & range of PowerG, especially where

there is a significant obstruction for wireless signal caused by the location or building materials. The team was impressed that it works across the portfolio of the JCI wireless and hybrid alarm panels. When the pandemic halted in-person training, John was able to successfully train the SOS team on new hardware and new wireless technology remotely.

Metalico Youngstown is a full-service scrap metal recycler in Youngstown, OH. In the fall of 2021, they were looking to update their hardwired alarm system that was not working well and creating frequent false trips. They partnered with the SOS Security team to provide the best functioning and cost-effective solution.

## The Challenge



**Metalico presented two obstacles for a successful solution:**

### Expansive property size

1

- 840,000 sq feet (1400ft x 600ft)
- 8 separate buildings on site, largest distance of 1,000ft between buildings

### Difficult environment

2

- Piles of metal debris 30-40 ft high scattered throughout the property
- Metal interferes with wireless signal
- Moving the piles to accommodate installation is expensive and time-consuming
- The yard operates 6 days per week, so minimal disruption to the business is an important factor





## Solution

The existing alarm system used by Metallico included hardwired sensors and relied on a phone line connection. However, running new wires underground was not practical and would be very expensive as it would involve moving piles of metal around the property, additional equipment costs, and many additional days of labor.



The decision to use PowerG wireless technology was validated by the device range coverage across the vast property obstructed with piles of metal. The signal was strong and consistent, which reassured the SOS team they are not going to be let down and could meet the customer ask, compared with their experiences when using alternative wireless devices in the past.



Richard's team decided to use the PowerSeries Neo hybrid panels because of the panel's proven track record and interoperability with the PowerG wireless devices. Richard says: "PowerG is amazing! I always rely on PowerG wireless when range matters". Remote access to the panel for service was important, as that drastically reduces any future travel time, cost of truck rolls, and cost of fuel for servicing the project in the future.

The SOS team felt confident in their ability to install both the panels and wireless devices much faster than using a solution that would have them needing to pull wires and move metal piles. Moreover, PowerG wireless devices are easy to install, with the signal indicator guiding and speeding up the process. The wireless solution caused minimal interruption to the client's business.

Monitoring is provided by a local monitoring station through Alarm.com's cloud-managed platform that increases operational efficiency and ensures professional protection.

“ I always rely on PowerG when Range Matters ”



## Results & Benefits



With the installed solution SOS met Metalico's needs while providing three strong benefits that were highly valued:

Project completed on time, with a reliable performance by all devices

1

- 70+ wireless devices installed in all 8 buildings
- All connected devices throughout the massive property demonstrated consistent and reliable performance

Cost-effective, efficient installation

2

- Installation of the new system engaged 2 installers/40 hrs each, saving about 30% in labour costs to the team
- The customer's business had no disruption during the installation
- Zero callbacks or truck rolls for any issues with service

Future service needs can be addressed remotely

3

- Remote access to the panels will save approximately 20% in time, truck rolls, and gas costs for SOS Security in the future panel maintenance needs



PowerSeries Neo

### Products Used:

- 2 PowerSeries Neo panels,
- 4 partitions each
- 2 host transceivers
- 31 PG D/W Sensors
- 25 PG Motions
- 6 PG Indoor Sirens
- 8 PG Repeaters
- 1 PG Sound Sensor
- 2 ADC communicators

## PowerG



## PowerSeries neo



Easy Installation  
No Drills, No Wires and No Mess



The Power of Wires,  
without the wires

