

HEATER CONTROL FOR SWITCH AND 3RD RAIL SEPTA



OVERVIEW

The primary objective of this project was to provide a wireless remote heater control system, for switches and third rail, for the Southeastern Pennsylvania Transportation Authority.

These switch and third rail heaters are being controlled via RailComm's DOC® System, with communications being handled with a combination of RADiANT® serial radios, cellular modems, and a fiber network along SEPTA lines.

RailComm's Heater Control System is engineered to provide railroads the flexibility to remotely control any type of heater on the market today.

The DOC System is a commercially available, off-the-shelf control system and typically requires no unique design or modifications to meet the required operating specification.

Through the DOC's graphical user interface (GUI), authorized users are able to control the operation of all remotely equipped switch and third rail heaters, as well as monitor the operation of the element. When heating elements present a failed condition, the system alarms the dispatcher so action can be taken before it affects train movement.

Remotely controlled heating elements allow SEPTA to only run their heaters when absolutely necessary. This cuts down on energy cost and helps reduce the time railroad employees must spend along the track.

PROJECT SUMMARY

FIRMS

RailComm, LLC

CUSTOMER

The Southeastern Pennsylvania
Transportation Authority (SEPTA)

CUSTOMER CONTACT

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PROJECT SIZE

\$0.6M+

COMPLETION DATE

2014



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