

Designed to be
 GROUNDED

Install. Validate. Protect.

Traditional methods don't always provide the best results

Grounding systems aren't always equal. Design, materials, and outcome can be substantially different. Traditional methods are time consuming to install with a short life expectancy.

SAE has the experience to deliver proven, exceptional results.



Published Date: July 2023

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Project Name

Railway House

Industry

Railway

Project Location

Emporia, KS USA

SAE Solutions Used

ConduDisc and
ConduWire

Project Date

2023

The Challenge

Reliability of railway sensors and signals is paramount. The customer desired a more effective and simpler solution that would offer long-term resilience.

With this in mind, a better performing, more cost effective solution was presented. Through a trial, they

compared the ConduDisc and ConduWire grounding system with their existing ground rod standard.

This head-to-head comparison enabled the customer to validate the speed and ease of installation, as well as the resistance to ground performance of the two systems.



The SAE SOLUTION

The ConduDisc and ConduWire grounding system was installed below the building legs, eliminating the need for additional ground rod driving and trenching for the ground ring. This resulted in a more efficient installation process by reducing time on site, while also reducing the possibility of personnel injury associated with driving ground rods. Soil resistivity in the area was found to be very low, indicating the possibility of rapid corrosion of any unprotected metal in the ground.

The ConduDisc and ConduWire grounding system will ensure this corrosion does not occur, while providing a resistance to ground value better than the existing company standard.

- **Faster installation time**
- **Improved performance**
- **Superior asset protection**
- **Safer installation**
- **No replacement needs**
- **No maintenance required**



14.8
ohms

20%
improvement!

ACHIEVED

with ConduDisc installed at each House Leg

Contact Us
today to improve
your grounding

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