

Remote Signalling

System Overview:

- 440 Wp SIEMENS solar array
- 1400 Ah GNB battery reserve
- PV-3 120 A dual-controller voltage regulator
- Custom solar array mount
- Complete system installation schematics and diagrams



Background

CN Rail was looking for alternative solutions to their existing electrical power lines to provide power to their new signals across Northern Ontario. Their second objective was to reduce the installation, operating and maintenance costs .

Solution

Matrix has designed and supplied ten solar power systems for CN Rail's intermediate and genrakode sites. The installation of these power supplies follows on the success of an earlier program to supply over 150 solar systems for Coded Track Circuit Signals in use across the rail system featuring a unique but low cost and reliable DC/DC solar charger developed specifically for these applications.