



Case Study

Ready for the World Stage: Preparing Glasgow's Grid for the Commonwealth Games

Ahead of the 2026 Commonwealth Games, SP Energy Networks deployed Osmose Power Survey™ to identify what traditional inspections may miss, supporting proactive maintenance, network resilience, and reliable service throughout the event.

Confidence Before the Crowds

Major international events place exceptional demands on electricity networks. With thousands of athletes, officials, spectators and broadcasters arriving in Glasgow for the 2026 Commonwealth Games, SP Energy Networks needed to ensure its network would perform reliably throughout the event.

Traditional inspection methods are effective at identifying visible defects, but some electrical issues remain hidden until they develop into faults. SPEN wanted a way to proactively identify any potential emerging problems before they affected customers, visitors or critical infrastructure.

- ✓ SP Energy Network's vast network comprises over 40,000 miles of underground cables, underscoring the importance of visibility.
- ✓ The Commonwealth Games draw anywhere from 500,000 to 1.5 million people, placing increased demand on SP Energy Network's grid.
- ✓ As the 2026 host of the Commonwealth Games, the city of Glasgow and SP Energy Network were under an international spotlight.

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Osmose's incredible technology is quite literally a gamechanger, spotting potential hidden issues before they become real-world problems, and, alongside our wider resilience efforts, helped to ensure Glasgow's electricity network was safe and Games-ready. Ensuring the highest level of network reliability and resilience was vital.

— Alistair Menzies, General Manager,
SP Energy Network Glasgow District



Contact Voltage

[KON-takt VOHL-tij] noun

A public structure or surface becomes electrically energized caused by an unintended connection or condition, such as a damaged conductor, insulation failure, or equipment malfunction, that disrupts normal operation; high voltage and very dangerous.

Driving Proactive Network Intelligence

To support its wider Commonwealth Games resilience program, SP Energy Network deployed Osmose's Power Survey Mobile Asset Assessment Vehicle technology— a vehicle-mounted system that continuously scans public areas and surfaces, detecting anomalies within the underground infrastructure.

Unlike many conventional assessment techniques, Power Survey enables utilities to assess large areas of the network while collecting highly sensitive diagnostic data in real-world operating conditions. The technology provided an additional layer of network intelligence, complementing SP Energy Network's already robust reliability programmes ahead of one of Scotland's highest-profile events.

 **1 Vehicle, 2 Techs**

 **100+ Miles Scanned**

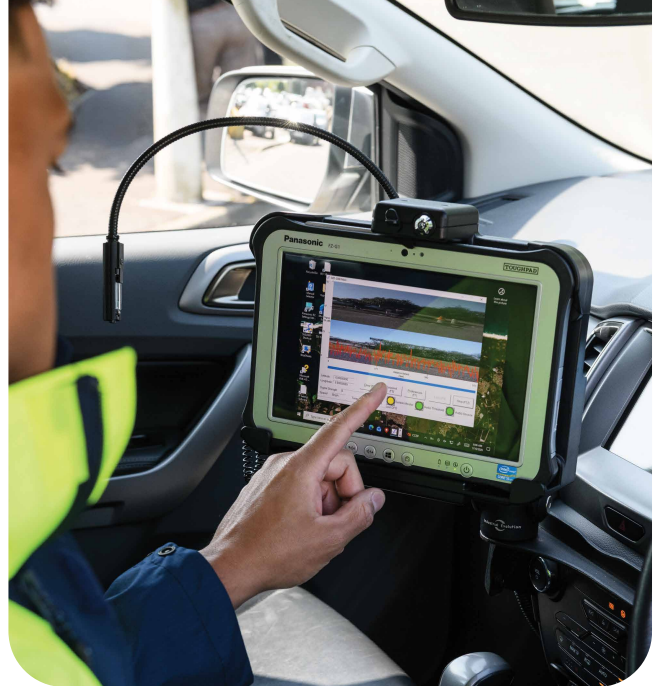
 **Four Working Days**

Prevention in Practice

By deploying Power Survey, SP Energy Networks was able to proactively ensure Glasgow's electricity network was safe and ready for the Commonwealth Games. Early deployments demonstrated the value of the technology in identifying hidden electrical anomalies that may not have been detected through traditional assessment methods alone.

For utilities preparing for major public events or simply looking to move from reactive to predictive maintenance, Power Survey provides actionable intelligence that supports safer, more reliable network operations.

For more information on Mobile Contact Voltage Detection or to contact our team, visit osmose.com.



Mobile Contact Voltage Solution Overview

- ✓ Contact Voltage Detection quickly identifies low-voltage hazards and sub-volt potentials up to 30 feet away before they escalate.
- ✓ IEEE-1695-compliant and widely adopted across North America, Europe, and Australia.
- ✓ Rapid mobilization within a week, supported by experienced utility technicians and engineering teams.
- ✓ Structured communication, real-time tracking, and daily detailed field reporting ensure full program visibility.



Low-Voltage Detection



IEEE-1695-Compliant



Mobilized in 1 Week



Real-Time Reporting