



Key Conclusions Quoted from the Report

“During the trial period there was not a copper theft incident at any of the chosen 25 sites. However, a number of preplanned and random tests were carried out to simulate the removal or tampering of earthed infrastructure. These tests proved the Cresatech CuTS® system effectively detected removal or tampering of the earthed infrastructure.”

“The trial successfully proved;

the successful and reliable detection of copper theft and tampering at key substation locations either through test simulations or actual events.

- Low incidences of mal-operation and spurious alarms”

It was concluded that “The (Cresatech CuTS®) monitors adequately detected when earthing was removed or tampered with during testing”

This project “**provided confirmation that the Cresatech CuTS® unit and service is a viable solution for the detection and mitigation of safety impact and service continuity issues that result from metal infrastructure theft from electrical networks.**”

It “highlighted that it is possible to monitor substation assets through the use of an innovative monitoring system.”

“Remote monitoring technologies in general are likely to support multiple business cases, potentially across multiple stakeholders. In the case of this project in addition to security, it has become clear that other benefits include;

- Safety (for employees and public on-site and further downstream in the network); and
- Operational efficiency (for example, asset protection, planned maintenance etc.)”