



## Arteche CH-123 CT Failures

### WHAT HAPPENED?

Transpower issued a Safety Alert on 7 December 2018 in regard to the failure of 3 Arteche CH-123 CTs at MPE, MKE and PAO. In early January a second CT at MPE failed.

Based on the forensic inspection we have undertaken with Arteche, the failure mode is most likely moisture ingress from the top rubber bellows. Arteche has confirmed that internationally there have been other similar CT failures caused by moisture ingress.

This failure mode may also affect other Arteche CH-123 and CH-72 CTs in Transpower's fleet. We are carrying out condition-based assessments of the entire fleet of CH-123 and CH-72 CTs to understand the extent of the issue on the grid. These CTs are located at the sites listed in the table below.

### IMMEDIATE ACTION TAKEN

- At this time, everyone working on the sites listed in the table should exercise caution in regard to working near these CTs and ensure that Safety Plans and Work Plans take account of the potentially elevated risk associated with all Arteche CH-123 and CH-72 CTs. We recommend the following precautionary steps be taken:
- Where CTs are located closer than 10m to project works where personnel working (e.g. Roskill project potentially), then personnel should minimize the time spent within this zone (note - testing of these CTs will be conducted as a priority).
- If personnel have no reason to be closer than 10m from these CTs they should keep clear. This exclusion zone information should be entered on the site hazard board.
- Where CTs are located within 10m of the fence and where the public/personnel can access the adjacent area, then the fence should have shade cloth, or industrial plastic, or some other suitable materials put in place along the fence line to stop any debris should a CT fail before being tested.
- These precautionary steps only need to be in place until the CT risk of failure is known and updated advice is issued.

|        |     |     |     |
|--------|-----|-----|-----|
| BPE    | HWA | MNG | SFD |
| DOB    | HWB | MPE | STU |
| HAM    | IGH | PAO | TIM |
| HAY-DC | KOE | ROS | WDV |
| HOR    | MKE | SBK | WWD |

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|----------------------|--------------------------------------------------------------------------------|
| <b>Name</b>          | Ian Whatley                                                                    |
| <b>Position</b>      | Primary Assets Engineering                                                     |
| <b>Mobile</b>        | +64 27 8011546                                                                 |
| <b>Email</b>         | <a href="mailto:ian.whatley@transpower.co.nz">ian.whatley@transpower.co.nz</a> |
| <b>Incident Date</b> | 28 November 2018                                                               |