

# LABORATORY SERVICES

FOR WORLD CLASS TESTING



 Nexans

## ABOUT US

Nexans is New Zealand's largest cable manufacturer and supplier of low and medium voltage cables, operating from their purpose built factory in New Plymouth since 1967.

We are a diverse company consisting of 150+ employees, many of whom are longstanding employees with years of experience and who work proudly alongside the next generation.

Our laboratory services have been a crucial part of our success for delivering high quality products to our customers for over 50 years and we are proud to be an International Accreditation New Zealand (IANZ) registered lab to ISO 17025:2017.



## IANZ ACCREDITATION

IANZ is an organisation that protects the health and wealth of New Zealand by ensuring that those who test or inspect the products and services bought, consumed, used, and surrounding us every day are safe, accurate, and aren't doing harm.

They do this by ensuring testing laboratories, inspection bodies, building consent authorities and medical imaging providers meet international standards and can demonstrate that they are competent.

IANZ also helps NZ exporters access international markets by ensuring that those who test or inspect their products, meet the required standards for each country.

Not all laboratories or inspection bodies are accredited, so when you see the IANZ mark of competence on our lab reports, you can have confidence in results that are world class.





Image: Laboratory 1967

Image: Laboratory 1991

## SPECIALISED TESTING .....

We perform mechanical and electrical testing for a wide range of materials such as plastics and metals from our laboratory in New Plymouth.

### TESTING

- Material ageing tests
- Tensile and elongation of plastics and metals
- Insulation resistance
- Various other sample and material tests

### SERVICES

- Fault Investigation

Our laboratory can perform numerous tests to determine the cause of failure or provide a health diagnosis of a cable for medium and low voltage cables. This includes microscopic testing for electrical trees and insulation contaminants.

- Compliance Testing

### ***Unsure if your product meets the relevant AS/NZS standards?***

We can perform a full range of type, routine and sample testing to see if the product complies to many of the electrical cable standards such as AS/NZS 5000.1, AS/NZS 5000.2 and AS/NZS 1429.1; as well as having access to a global network of laboratories for more specialist analysis.



Image: electrical tree



Image: partial discharge failure



Image: Laboratory 1967

## CONTACT

0508 NEXANS | [www.nexans.co.nz](http://www.nexans.co.nz)  
[lab.nz@nexans.com](mailto:lab.nz@nexans.com)

## TESTIMONIALS FROM OUR CUSTOMERS

*“Nexans were very helpful in helping us analyse a sample of faulted cable. Under COVID restrictions, we were unable to visit their laboratory to witness an oil bath analysis. Nexans made an effort to send photos and host a video call while they were doing the analysis so we could ask questions and have input to what they were doing.”*



*“We were very pleased with the detailed report your Lab provided for us. Did not expect that depth of detail. This helped us to understand the condition of the cable and to make decisions about its future. All this happened in reasonable time. Will look to use your services again in future should the circumstances require it.”*

