

The Infrared Training Center (ITC) is the world's largest thermography training organization. Last year, ITC trained over 7,000 infrared users, making ITC the #1 choice for infrared camera users all over the globe. With hundreds of thermography courses, small class sizes and expert instructors, the ITC can provide top-notch, hands-on thermography training for large multi-national corporations or individual infrared consultants.

If your organization is ISO-certified or just committed to receiving the best thermography training available, you'll be glad to know that the ITC is also ISO-certified! The ITC provides training for all types of infrared cameras, any make or model.

All ITC thermographers are certified against one or more of the following standards:

EN473 recommendations for qualification and certification of non-destructive testing (NDT) personnel, as established by the European Federation and accepted by the American Society of Mechanical Engineers (ASME);

ISO 9712 specifying proficiency in infrared thermographic testing as related to the qualification and certification of personnel involved in non-destructive testing (NDT), as established by the International Organization of Standardization (ISO) TC 135/SC 7;

ISO 18436-8: Requirements for thermography training and certification of thermography personnel in condition monitoring and the diagnostics of machines, as established by the International Organization for Standardization (ISO) TC 108/SC 5.

What do the different Infrared Thermography Certification Levels mean?

Level I Infrared Thermography Certification

Level I certification is the first of three levels of infrared training the ITC offers. Level I infrared thermographers are typically new to infrared thermographic diagnostics. That does not imply that they are entry-level condition monitoring technicians, indeed many Level I professionals have years of experience in building and maintaining complex systems.

Level I thermographers generally follow a written test procedure to evaluate specific types of equipment in their facility. They can operate their infrared cameras and software and identify and measure thermal anomalies based on thermal patterns, comparisons with similar equipment, and their own experience.

Level II Infrared Thermography Certification

The second level of infrared training offered is Level II. Typically, Level II professionals are experienced thermographers and troubleshooters. Usually deploying more than one diagnostic technology to determine the root cause of a problem the Level II will recommend repairs. A Level II Thermographer has more advanced infrared training and can, therefore, train and oversee Level I Infrared Thermographers.

Level III Infrared Thermography Certification

This is the most advanced infrared training level available. A Level III thermographer is primarily a thermography program manager who writes the company's written predictive maintenance/inspection practices, develops the test procedures and severity criteria, determines how often equipment should be inspected, and calculates the return on investment the thermography program is providing.





Level I Thermography Training

The Level I Infrared Thermography Training Course is geared to the new infrared camera user and focuses on its use for a variety of condition monitoring/predictive maintenance applications. Attendees completing all training course requirements and a thermography field assignment will receive a Level I Infrared Thermography Certification.

Infrared Course Benefits

Introduction to thermal imaging and measurement systems for predictive maintenance applications. No experience in thermography is necessary!

Collect quality data, accurate temperature readings, and account for measurement effects such as distance and emissivity using infrared cameras.

Interpret thermograms and make informed decisions using heat transfer concepts to analyze thermal images, and see the latest in infrared inspection report generation and database software.

Avoid costly mistakes - learn to distinguish between hot spots and reflections, direct vs. indirect readings and qualitative vs. quantitative thermography.

Challenge yourself with field applications labs that closely simulate real-world infrared applications.

Your Presenter

Dr Ken Jackson has a PhD from the University of New South Wales in Sydney, Australia. His research there included extensive use of Infrared microscopy in the study of catalytic pathways. Dr Jackson has used and trained in Infrared and other analytical techniques for more than 25 years.

Dr Jackson is an Certified Level III Thermographer and has been running training courses in Infrared Thermography in New Zealand and Internationally since 1998



2023 Dates

Level One 30th October to 2nd November

Takapuna Boating Club

Price \$2700 + GST which includes examination and certification

You place will be reserved and guaranteed upon receipt of payment.

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Why Has ITC Chosen To Work According to ISO Standards?

ISO is the worlds leading developer of International Standards

ISO standards specify the requirements for state of the art products, services, processes, materials and systems, and for good conformity assessment, managerial and organizational practice

ISO standards are designed to be implemented worldwide

Why Do We Train to ISO Standards and not ASNT?

ASNT Recommended Practice NO SNT-TC-1A: Personnel Qualification and Certification in non-destructive testing (2006) provides guidelines for employers to establish in-house certification programs for the qualification and certification of non-destructive testing personnel.

The ASNT recommended practice document is used by employers to create written practice against which they are responsible to train, examine, and certify their own employees. In contrast to the International Standards, the written practice developed is unique to a company and can not be applied globally

A valid certificate in accordance with SNT-TC-1A would be issued by the employer, not a training body

ITC Complies With Many Standards

The ITC Quality management system complies with SS-EN 9001:2000 (certificate 10244, issued 10 January 2006)

The ITC is an Accredited Training Organisation in conformance with BINDT BS EN ISO 9001:2000 (certificate issued 25 May 2006)

The ITC Level 1 course is validated against the BINDT requirements for the structured training of condition monitoring practices

ITC Sweden is an Approved Examination Centre for ISO 18436 Condition Monitoring qualification examinations (certificate 0021 issued 24 May 2006)

ITC Sweden is the exam deliverer and approval authority in conformance to ISO17024 for Det Norske Veritas Certification AS with specification ZNWNO 5-420-pers-TR-1 (15 March 2007)

ITC Business is operated, managed and updated in accordance to ISO 9001 and ISO 18436 with normative reference ISO 17024

