



SMARTGATE

INTERNATIONAL COMPETENCY TRAINING

CATALOG 2019

LEVEL 1

ITC INFRARED THERMOGRAPHY

OVERVIEW

The Level I Infrared Thermography Training Course is geared to the new infrared camera user and focuses on how thermography is used 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.

OBJECTIVE

- Comprehensive, hands-on 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.

CONTENT

- Introduction
- Infrared Thermography Applications Overview
- Basic Camera Setup and Operation
- Basic IR camera user interface, menu description and navigation, operational tips and tricks, and key elements to getting a good IR image
- Thermal Science Fundamentals
- Heat Transfer
- Fundamentals of Infrared Science
- Thermal Measurement
- Electrical Applications
- Thermography Safety
- Mechanical Applications
- Building Applications
- Review
- Final Exam

CERTIFICATION

Level 1 learning objectives, contact hours, and written exam are based on requirements outlined by ANSI/ASNT CP-105 and CP-189 of the American Society for Non-Destructive Testing.

ITC Certification is the gold standard qualification within the thermography industry and exceeds the requirements of international standards.

SCHEDULE

- 18 – 22 Mar
- 22 – 26 Jul
- 11 – 15 Nov

LOCATION

- To be confirm

REGISTRATION END

- 18 February 2019
- 21 June 2019
- 11 November 2019

NOTE

- Registration form, Policies & Procedures are enclosed



SMARTGATE

PT INDO MAHAKARYA GEMILANG
Gandaria 8 Office Tower 8th Floor
Jalan Sultan Iskandar Muda,
Arteri Pondok Indah, Jakarta 12240
Customer Service: 0812 9800 0202
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REGISTRATION FORM

Please complete the form in BLOCK LETTERS.

Fax or email it to SMARTGATE at least 1 (one) month prior to the training.

TRAINING INFORMATION

Title :
Schedule :

STUDENT INFORMATION

Full name :
Date of birth :
E-mail :
HP number :
Job Title :

COMPANY INFORMATION

Name :
Industry :
Address :
Website :
Phone :
Fax :

INVOICING

Address :
Requirements :
Contact person :

- Name :
- Phone :

I, hereby, declare that the above information is accurate. I understand that SMARTGATE has the rights to reject my application if any information is missing or inaccurate.

SMARTGATE reserves the right to change the dates, time, venue and trainers of the training scheduled due to circumstances beyond its control.

Signature*:

Date:

**with company stamp*



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POLICIES AND PROCEDURES

REGISTRATION FORM

- Registration is received at the latest 1 (one) month prior to training schedule.
- Official signed registration form is a valid document as Service Order from customer. Official Service Order and other documents needed are required for validation and administration process.

CONFIRMATION

- Training will be run after the minimum quota fulfilled.
- A confirmation letter will be sent out upon acceptance 3 (three) weeks before training commencement
- Place(s) will not be confirmed until we are in receipt of a completed booking form and once full payment has been received.

COURSE FEE

- The course fee is excluding PPN 10%
- The course fee is excluding transportation and accommodation of participant
- The course fee is including training material, lunch and coffee break

TERMS OF PAYMENT

- 100% course fee must be paid 3 (three) weeks prior to training schedule, after receive confirmation.

CANCELLATION FEE

- 100% cancellation fee of the course fee will be applied if participant or company cancels the registration after submitting Service Order or Official Registration Form.