



Principles of Level 1 Infrared for Electrical & Mechanical Systems

X-Ray Eyes & EDE are proud to present a *NEW* onsite course. This 2-day infrared electrical & mechanical class will provide maintenance technician's or electrician's principles of infrared and how it pertains to electrical systems and mechanical equipment.

Description: Level 1 Infrared on how IR works with a special outline of electrical systems and mechanical equipment.

- This 16-hour hybrid class covers the theory and applications of infrared thermography in the preventive maintenance, quality assurance, condition monitoring and nondestructive testing of materials fields.
- This class focuses on qualitative thermography and how to collect data and follow proven and published inspection procedures.
- Upon completion students will be able to capture clear thermograms and make basic inferences and diagnosis.
- Material includes infrared theory, heat transfer concepts, operation of thermal imaging equipment and specific recommendations on how to make quality thermal images that are clear, concise and easy to interpret.
- Students are challenged daily with hands on demonstrations, experiments and inspection situations similar to those they will experience in their work.
- Students learn the basic inspection techniques based on accepted industry and international inspection procedures.
- Students will earn a certificate of completion at the end of the course after taking and passing required exam.