



Volume 10 Issue 4 - April 2021

Director's Message



UPS systems and emergency generators are common defenses for facilities where uninterrupted electrical power is critical. Performed properly, IR inspections can help to improve reliability of emergency power systems.

Most facilities perform IR inspections of their electrical distribution systems at least annually as part of a PM program. To help ensure maximum reliability, regularly scheduled IR inspections should also include the emergency power systems. When performing infrared inspections of emergency systems be sure to:

- Inspect all backup generators while running. Begin inspection at generator output leads and proceed to generator bus, breakers, and switchgear.
- Include all Automatic and Manual Transfer Switches. Inspect switches in both normal and emergency positions.
- Inspect UPS system controls, switchgear, battery cells, battery bus and wiring. Battery cell temperatures should be the same between cells with no hotspots on individual cells.
- Have adequate load on the subject emergency circuits. This may be accomplished with normal facility load or by utilizing a load bank.

Taking the time to properly include emergency power equipment in your IR inspections can help ensure you won't be left in the dark during a power failure.

Maintaining Situational Awareness

Many animals and even some people are credited with having a sixth sense for knowing or anticipating events before they happen. The benefits of this seemingly supernatural power can be enjoyed by applying a discipline known as situational awareness.



Situational awareness is a technique that has been practiced by pilots and military personnel for several years. It is a behavior that requires a person to be cognizant of his/her surroundings and to constantly anticipate what might happen next. By being aware of what might happen, one is better able to plan an appropriate response before an event occurs, thereby avoiding surprises.

Upcoming Courses

[Online Distance Learning](#)

[Level I Certified Infrared Thermographer®](#)

- Apr 12 - 16 Las Vegas
- Apr 19 - 23 West Windsor
- Apr 19 - 23 Thessaloniki
- Apr 26 - 30 Twin Falls
- May 3 - 7 Kuala Lumpur
- May 10 - 14 Brisbane
- May 10 - 14 Palm Springs
- May 17 - 21 Perth
- May 24 - 28 Tacoma
- Jun 7 - 11 Salt Lake City
- Jun 21 - 25 Seal Beach
- Jul 5 - 9 Kuala Lumpur
- Jul 12 - 16 Melbourne
- Jul 12 - 16 Colorado Springs
- Jul 19 - 23 West Windsor
- Jul 26 - 30 Seal Beach

[Level II Certified Infrared Thermographer®](#)

- Jun 7 - 11 West Windsor
- Jun 21 - 25 Kuala Lumpur
- Jul 26 - 30 Brisbane

[Level III Certified Infrared Thermographer®](#)

In the hazardous environments where thermographers frequently work, practicing situational awareness makes sense. Thermographers can apply this discipline by observing the following:

- Always be aware of your immediate surroundings and the hazards contained therein
- Recognize how the actions of others might affect your situation
- Pay attention to weather or environmental conditions that could present a hazard
- Have a response plan for any emergency that could occur
- Know where emergency equipment and communications devices are located
- Identify both primary and secondary evacuation routes for use in case of an emergency

Practicing situational awareness can vastly improve your personal safety by helping to eliminate surprises and the confusion that goes along with them.

[More Information](#)

Course Materials Licensing



Infraspection Institute's course materials licensing program provides a unique opportunity for experienced thermographers to bring quality training to their clients without having to develop their own training materials.

Licenseses can elect to teach applications or certification courses. Best of all, our program provides all training materials, course manuals, instructor training, and support.

Benefits of our Program:

- Expand your services and increase profits
- Enhance your credibility
- Provide world-class thermography training with minimal investment

Infraspection Institute's course materials licensing is open to individuals, companies, and educational institutions. It is perfect for those seeking to provide green technology education as well as companies seeking to educate a sizeable thermography team.

[More Information](#)

Call for Papers for IR/INFO 2022

Infraspection Institute are pleased to announce that our annual Advanced Training Conference, Technical Symposium and Technology Expo, IR/INFO 2022, will be held January 16 – 19, 2022 in Orlando, FL. Now in its 32nd year, IR/INFO features four days of networking, learning, and fun in a relaxed, yet professional, family atmosphere.



- Sep 20 - 22 West Windsor

[Full 2021 Schedule](#)

Upcoming Conferences

Infraspection Institute invite you to see us at the following upcoming conferences. Be sure to stop by and say Hello!

[Thermal Imaging Conference](#)

September 20 - 23, 2021
South Lake Tahoe, NV

[SMRP Conference](#)

October 25 - 28, 2021
Saint Louis, MO

[IR/INFO Conference](#)

January 16 - 19, 2022
Orlando, FL

Links of Interest

[IRINFO.ORG](#)

[The RAM Review](#)

[TI-Reporter.com](#)

[IRFeverScreen.com](#)

We are presently seeking papers and presenters for IR/INFO 2022. Invited topics include, but are not limited to: safety, emerging applications, building sciences, related NDT, case histories, as well as tips and tricks.

Presentations are typically 20-25 minutes with 5 minutes for questions and answers with the audience. All papers and presentations will be published in the IR/INFO Conference Proceedings. The deadline for abstract submissions is July 31.

[More Information](#)



Thermography's Mark of Excellence



[Become an Infraspection Institute Master Thermographer®](#)

