Newsletter Archive: January – February 2016

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President's Message

"The best way to predict your future is to create it." Abraham Lincoln has been given credit for this simple, straightforward statement. Considering the events of the time, it is very easy to see how Mr. incoln used this statement to provide hope, motivation, and guidance. Businesses today should use the same forward, innovative approach to the future.

Jersey Infrared Consultants is working to create and advance the future of the infrared industry. Although 2016 has just begun, our staff has already participated at IR/INFO 2016, and completed new safety training. As the year goes on we will be announcing additional services, writing new papers and working with new trade organizations.

We invite you to visit our website frequently to see updates in Company News and watch for updates in future newsletters.

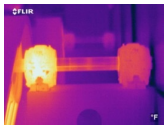
Maritime Applications for Infrared Surveys

Infrared Thermography is a well accepted tool for commercial and industrial P/PM programs. In addition to routine maintenance work, facilities perform infrared surveys to meet regulatory requirements, obtain forensic information, reduce operating cost, improve safety, and increase efficiency.

Infrared Surveys performed for the maritime industry provide these benefits and more. Common maritime applications for infrared thermography include:

Infrared Electrical System Surveys
Infrared Mechanical System Surveys
InfraSonic™ Steam Surveys
Infrared SOLAS Temperature Surveys

The maritime environment poses unique challenges when performing an Infrared Survey: safety, access, preparation, security clearance, and insurance are some of the topics that need to be addressed. Work must comply with OSHA, NFPA 70E, and Site Specific Regulations, in addition to specific Maritime OSHA and the U. S. Coast Guard regulations.



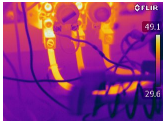
With over 30 years of experience, state-of-the-art equipment, Level III Infraspection Institute Certified Infrared Thermographers®, and compliance with all industrial regulations, Jersey Infrared Consultants can meet all infrared applications for the marine industry.

More information

How Often Should Electrical Equipment be Inspected?

According to the current edition of NFPA 70B Recommended Practice for Electrical Equipment Maintenance, "Routine infrared inspections of energized electrical systems should be performed annually prior to shutdown. More frequent inspections, for example, quarterly or semiannually, should be performed where warranted by loss experience, installation of new electrical equipment, or changes in environmental, operational, or load conditions.

"Most facilities meet this recommendation by performing their infrared survey once a year. The annual Infrared Electrical System Survey is scheduled prior to a shutdown (usually 4 to 6 weeks prior to the start of the shutdown) or at a time when the most equipment is operating (perhaps heating or cooling seasons).



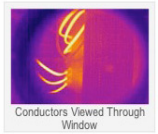
There are times when more frequent surveys may be needed. Examples include significant electrical work resulting in the addition of new equipment or changes in loads; or unscheduled outages that may have resulted in damage to other systems or components.

Because infrared inspections are only effective when electrical system components are under load, it is imperative to perform infrared inspections when the equipment is operating. For facilities with seasonal equipment such as heating and cooling systems, it may be necessary to schedule infrared inspections on several different days spread throughout the calendar year.

Download your copy of Electrical Equipment Checklist

IR Windows Help Avoid Arc Flash

One of the most challenging aspects of performing an Infrared Electrical System Survey is preparation of the equipment – opening and closing panels. IR Windows can help meet this challenge.


Conductors Viewed Through Window

Proper installation of IR Windows allows Infrared Electrical System Surveys to be performed as a non-intrusive inspection (keeping panel doors closed). This means that the survey does not elevate the risk of electrocution or of triggering an arc flash incident; and elevated levels of PPE may not be required when using an IR Window.

Today's IR Windows are available in many different configurations and at a cost that can meet any budget. Jersey Infrared Consultants offer sales, installation, and training for the world's most complete and comprehensive line of IR switchgear windows and ports. With our extensive infrared experience, Jersey Infrared Consultants can provide you with guidance to help ensure the success of your installation.

Download IR Windows 101 – Basics You Need to Know