

## Arc Flash Awareness Grows

Find out what NFPA 70E may mean for you!

[Click for Details](#)

**NFPA Survey Results**  
Download now!

[Click for Details](#)

**TVS-200 EX**  
Our NEW Low cost, 320x240 camera!

[Click for Details](#)

**Electrophysics Learning Center NOW OPEN!**

[Click for Details](#)

**CONTENTS:** [From the Editor](#) | [Feature Article: Arc Flash Awareness Grows](#) | [NFPA 70E Industry Survey Results](#) | [Featured Product: The TVS-200EX](#) | [There's a Difference with HotShot!](#) | [Resource Learning Center](#) | [Mark Your Calendar](#) | [Other Links](#) | [Contact Us](#)

## Arc Flash Awareness Grows

Survey finds 86% of respondents aware of NFPA 70E. Find out what NFPA 70E may mean for you!



There continues to be a great deal of activity surrounding the update to NFPA 70E scheduled to be published in October 2008. For the proposed 2008 edition of NFPA 70, National Electrical Code® (NEC®), the Technical Correlating Committee (TCC) received 3,668 proposals and 3,206 comments during the revision cycle. For those of us involved in working with energized electrical circuits the outcome of the new standards will likely impact how we do our job. The goal is to increase safety through well thought through practices.

### FROM THE EDITOR Something's Gotta Give

Perhaps you've listened to economists recite statistics about increasing productivity and state how this is an important measure of our economic health. Productivity is the measure of goods and services generated per labor unit (time). What it really means is that more and more will be expected from you in the future. There is no question that information technology (computers and software) and intelligent microprocessor-based instruments like infrared cameras are having an enormous impact on worker productivity. But there has been an equal, if not greater, trend to simply remove people from organizations. How often do you reach a receptionist when calling a company? How difficult is it to reach a customer service agent when you need one?

I hear all the time about cuts in maintenance staff or how PMs are going to be outsourced. Yet I very rarely hear about maintenance programs that are successful or are recognized by management for a program's return on investment. Something's gotta give since the demands for equipment reliability aren't going away. For our part we will continue to focus on solutions that use advanced software to automate inspection through easier and more intuitive data collection, and automatic report generation so operators can spend my cycles on the floor performing inspections and repairs.

Causes of Arc Flash	
Accidental contact with energized parts	Wiring errors
Inadequate short circuit ratings	Contamination, such as dust on insulating surfaces
Tracking across insulation surfaces	Corrosion of equipment parts and contacts
Tools dropped on energized parts	Improper work procedures

According to John Snell of Snell Infrared ([www.snellinfrared.com](http://www.snellinfrared.com)), "Thermographers who would like to comment on the standard should review the current edition and complete a comment form found in the back of the standard (Please remember, it is vital to use the format provided). Comments can also be submitted online at NFPA70E Forum and are due no later than August 31, 2007."

### Learn more about how Arc Flash impacts you!

[NEW! Download "Update on NFPA 70E and Impact on Thermographers" White Paper \(PDF\)](#)

["Thermography and NFPA 70 Best Practices" White Paper \(PDF\)](#)

["Thermography and NFPA 70 Best Practices" Presentation \(Powerpoint\)](#)

Looking for Adobe Reader?  
[Download it now.](#)



[back to top](#)

## NFPA INDUSTRY SURVEY RESULTS



Reliability Web conducted an industry-wide survey on Infrared Surveys and NFPA 70E. Over 160 industry representatives participated in the survey, and the results clearly show the high level of awareness of NFPA and how companies currently address (or not) inspecting energized electrical apparatus.



This survey was produced and conducted by ReliabilityWeb.com (on the web at [www.reliabilityweb.com](http://www.reliabilityweb.com)), with the assistance and guidance of Stockton Infrared Services ([www.stocktoninfrared.com](http://www.stocktoninfrared.com)).

Be sure to consider attending the upcoming PdM conference (PdM 2007) in Las Vegas September 11th-13th and signing up for a series of short courses on NFPA 70E and IR Inspection windows.

[Download and read the NFPA 70E Industry Survey Results. \(PDF\)](#)

Looking for Adobe Reader?  
[Download it now.](#)



[back to top](#)

## FEATURED PRODUCT

### The TVS-200 EX

A Low-cost 320x240 Camera with fusing of thermal/visible images

#### Features:

- Visible and Thermal Image Mixing Capability
- Measures objects up to 2000°C
- Alarm functions
- Real-time interval recording
- Telescope and microscope lenses



[Click here to learn more about our products](#)

[back to top](#)

## THERE'S A DIFFERENCE!

### Find Out Why HotShot is The New Vision in Thermal Imaging

With a multitude of infrared cameras available today, it's often difficult to discern what might be most suitable for a specific application. After all, many infrared cameras certainly have sufficient resolution and sensitivity for most industrial applications. So you may ask, "What makes HotShot the 'New Vision in Thermal Imaging'?" It's a very simple answer and doesn't involve the imaging capability at all. Because HotShot is tightly integrated with a PC application, it can be your guide through your infrared inspections!

Simply create a list of inspection points (or export the list from your CMMS database) and upload it to your camera. Now, HotShot knows where you're going! HotShot will take you through your list of inspection points where you can capture infrared and visible images. HotShot prompts you with suggestions for diagnoses and recommendations that are customized for the equipment-type at each location. When you're done, automatically print reports with IR and visible images, location, equipment type, diagnoses and recommendations!

## HOTSHOT

There's a Difference... Compare for Yourself!

Infrared Camera Type	Hotshot	Point-and-Shoot
High sensitivity thermal image	✓	✓
Integrates with asset databases and CMMS	✓	
Visible image capture capability	✓	
Suggests possible causes for equipment problems	✓	
Produces automatic inspection reports	✓	

[To find out more click here!](#)

[back to top](#)

## RESOURCE LEARNING CENTER NOW OPEN

**Electrophysics Learning Center NOW OPEN!**

We will be adding to this resource center on a regular basis.

We invite you to visit periodically and see what's new. Please [contact us](#) with suggestions.

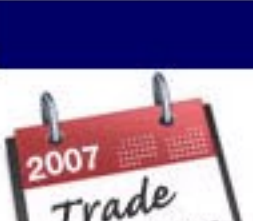
### Available for download:

["Route-Based Maintenance" White Paper \(PDF\)](#)

["Automatic Report Generation Benefits" Presentation \(Powerpoint\)](#)

[back to top](#)

## UPCOMING TRADE SHOWS AND EVENTS



### Come See Us!

Learn about these upcoming events we will be attending and join us!



**September 11-13, 2007  
Las Vegas, NV**

PdM-2007 will focus on: Vibration Analysis, Airborne Ultrasound, Infrared Imaging, Motor Testing, Oil and Wear Particle Analysis, and other condition monitoring technologies.

[Click here for more information and to register.](#)

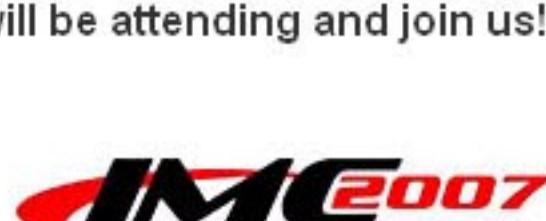
[back to top](#)

### Circuit Breaker Test & Maintenance Training Conference

**October 1-5, 2007  
Omni William Penn Hotel  
Pittsburgh, PA**

This conference includes a factory day at the Pennsylvania Breaker and Maintenance Transformer Technology facilities, more than a dozen informative presentations, and two half-day training seminars as well as supplier exhibits.

[Click here for more information and to register.](#)



**December 4-7, 2007  
Daytona Beach, FL**

The 22nd Annual International Maintenance Conference is an event where maintenance and reliability professionals learn from each other through a series of informative learning sessions, benchmark sessions, networking opportunities and a selection of workshops.

[Click here for more information and to register.](#)

## OTHER LINKS

[Product Selection Guide](#) • [Infrared Inspection Product Line](#)

[See Us At Our Next Trade Show](#) • [Become a Dealer](#) • [Contact Us](#)



373 Route 46, Fairfield, NJ 07004 • 973-882-0211 • [www.thermal-cameras.com](http://www.thermal-cameras.com)