



The following technical papers and case studies found on this website are the culmination of over 14 years experience using infrared windows, setting up infrared window programs, and ultimately manufacturing infrared windows. Feel free to download any of these papers. We hope that you find them to be helpful.

If you would rather consult directly with an expert, please contact us. Sometimes a one-on-one conversation or e-mail is the best way to clarify that question you have been wrestling with. [Contact us here.](#)

Data Sheets

- [CAP Series - Custom Application products](#)
- [IRID - High Emissivity Labels](#)
- [Jump Start](#)
- [TPC Series](#)
- [Viz-IR - Infrared and Visual Inspection Viewing Pane](#)
- [VP12 - World's First Ultrasound Port](#)
- [VPFC - Calcium Fluoride Crystal Infrared Windows](#)
- [VPFR - Industrial-Grade Infrared Inspection Viewing Panes](#)

White Papers:

- [Transmissivity Degradation](#)
- [Safer By Design](#)
- [Arc Resistance Myth](#)
- [Standards Implications](#)
- [ROI Case Study1](#)
- [IR Windows and PPE – Relevant Outtakes from NFPA 70E, 2009](#)
- [NFPA and its Implications on Thermographic Inspections](#)

Od Below

[The Myth of Arc Resistant IR Windows](#) - Can an infrared window resist an arc flash? This paper seeks to correct a dangerous fallacy

[NFPA & the Implications on Electrical Thermography](#) - What do NFPA and other standard organizations say about infrared inspections of energized electrical equipment?

Case Studies:

- [ROI: Paper Mill](#) - What is the payback on IR windows using all in-house staff?
- [Data Centers](#) - Your company's money LIVES in your data center. Learn about how one company protects one of the most critical processes in business today.
- [Marine Thermography](#) - Infrared scans need to be conducted during peak load. But how do you do that safely aboard a ship at sea? Learn more in this case study.
- [Preventive Maintenance Pays](#) - a Case Study about an electrical fault which ran quickly toward catastrophic failure. Lucky they were using IR windows or this fault would never have been detected and could not have been safely monitored at the intervals required to save this plant millions of dollars in downtime.

Tech Notes:

- [Infrared Inspection Windows: The Way Forward](#) - Many of the basic questions about infrared windows are answered in this paper.
- [IR Viewing Panes: Where do I Start?](#) - A good basis for those evaluating infrared windows.
- [Infrared Windows: Getting Started](#) - A roadmap for starting your infrared window program.
- [Why Do I Need Bigger Windows?](#) - If you have basic questions about what a thermographer will "see" through an infrared window, where you should place those windows, and what effect size has on field of view, then this paper is a must-read.