

Merry Christmas and a Happy New Year

From all of us to all of you!!! We wish you a very Merry Christmas, Happy Hannukah, Feliz Navidad, Joyeux Noel, Froehliche Weihnachten, and Hauskaa joulua ja onnellista uutta vuotta, wherever you are in the world and a Special New Year.

Message from the CEO

As 2012 draws to a close, I want to thank all of our colleagues and customers for an amazing year. DfR Solutions continues to grow rapidly and we believe our consistent success comes from a high number of returning customers, who recognize the quality and value of our services, and our continued expansion into new and exciting opportunities, including our unrivaled **Automated Design Analysis™ software, Sherlock**, which recently won the Global Technology Award for Innovation.

We have been especially pleased at the recognition we are receiving in high growth markets such as solar power, LED lighting, power electronics and electric vehicles. Products can't be green unless they're safe and reliable! Please enjoy this holiday season with your friends and family.

Craig Hillman, PhD

Holy Cow!! High Temperature, Vibration, Shock, Power Cycling, High Current Flow, and a Mix of Materials!!!

Power Modules for automotive, solar, trains and thermoelectric applications have all of these issues in common. How do you, the developer, assure that your product is capable of meeting the 20-25 year lifetime requirements? Easy, Sherlock!! DfR's automated design analysis tool provides the insights necessary to make the right decisions during the design stage of a project. Greg Caswell recently presented at the ECPE workshop in the Netherlands

UPCOMING EVENTS

January 7-11: DfR Solutions visiting New England

January 10: 12pm EST, ASQ Webinar Series, Improved Efficiency & Reliability for Servers using Immersion Cooling Technology

January 27-31: DfR Solutions visiting the Bay Area

January 28-31: RAMS, Orlando, FL

January 28-31: DesignCon, Santa Clara, CA

Early February: Heriot-Watt University, Edinburgh, Scotland, Reliability Solutions for Industry

February 17-21: APEX, San Diego, CA, various presentations


February 28: IMAPS Southeastern Microelectronics Conference, Orlando, FL

All events...

IN THE NEWS


DfR Solutions Receives GLOBAL Technology Award


DfR Ranks 32 in Electronics Industry

 Automotive Power Module

on **"Automating Lifetime Simulation of Power PCBs."** If you have any questions please contact [Greg Caswell](#).

Says Inc. 500/5000

 DfR Solutions Awarded SeaPort-e Contract

 DfR Solutions Expands North American Partner Network

 [View the Demo](#)

NASA Identifies Counterfeit Parts as Greatest Challenge

NASA stated that counterfeit parts are a growing problem and that high risk suppliers are employing increasingly sophisticated techniques to pass off fake components. DfR Solutions is actively engaged with several customers to assure that counterfeit parts do not get into their applications.

Greg Caswell recently gave a [presentation](#) on the cost versus risk of mitigation at the ISTFA Conference in Phoenix. For more information please contact [Greg Caswell](#).

Keeping it Tight: Understanding Hermeticity

It's amazing how poorly hermeticity is understood and how often devices fail due to issues with their hermetic environment.

One of the great ways to make it in the electronics industry is to realize that everything old is new again. About every five years, almost like clockwork, manufacturers seem to forget about to make the most basic of technologies. Wire bonds. Electrolytic capacitors. Flame retardants. Underfills. Etc.

Hermetic packages are a great example....[read more](#)

 Sherlock logo

EMPLOYMENT

Manufacturing Quality Engineer (full-time)

Manufacturing quality subject matter experts (SME) are needed to support the Department of Defense (DoD) in the area of systems engineering.

For more information on this and other opportunities, please visit our website.

More articles of interest:

[Contract Manufacturers Must Evolve](#)

[Designing and Qualifying Chip Scale Packages](#)

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