SOLVING
COMPLEX RELIABILITY
CHALLENGES ACROSS EVERY INDUSTRY

DfR Solutions
reliability designed, reliability delivered

Uniquely Positioned to
Solve Complex Reliability Challenges

For more than a decade, DfR Solutions has combined renowned industry expertise, preeminent analytical services, and superior environmental testing capabilities to solve electronics reliability challenges across markets and throughout the material supply chain.

Design Services

In today's competitive marketplace, you can't afford to deliver an unreliable product. Working with you throughout the life cycle of your product, DfR Solutions provides critical insight into your design allowing you to develop better, more reliable products.

- *MTBF*
- *FMEA/FMCA*
- *DfR/DfM Review*

- *Circuit Analysis*
- *Finite Element*
- *CFD*
- *Reliability Prediction*

Testing Services

At our world class testing laboratory, we can meet all of your standard test requirements for materials, components, PCBAs, and subsystems. If you have a unique application, we can easily design custom tests and methods to meet your specific needs.

- *Standards*
  - *JDEC*
  - *IPC*
  - *MIL-STD*
  - *AEC*
  - *IEC*

- *Custom*
  - *Fans*
  - *Capacitors*
  - *Power Supplies*
  - *CPU/GPU*
  - *Flash/SSD/HDD*
  - *Octocouplers*

Supplier Assessment

The suppliers you choose can contribute to success or failure. We can help you identify component and contract suppliers that will provide you with the best products and processes to take your design to market successfully.

- *Printed Board*
- *Circuit Assembly*
- *LCD*

- *Capacitors*
- *Die/Foundry*
- *Packaging*

Analytical Services

If you are experiencing electronics failure issues, you have come to the right place. We are the leader in quality and reliability analysis and solutions for electronics manufacturers around the world.

- *Failure Analysis*
- *Cross Sectioning*
- *X-ray*

- *Decapsulation*
- *SEM/EDS*

sherlock
AUTOMATED DESIGN ANALYSIS™

Our innovative, Physics of Failure based reliability software, **Sherlock Automated Design Analysis™** empowers customers to accelerate and improve product design and development while saving time, managing resources, and improving customer satisfaction.

Centers of Excellence

We fuse industry experience, thought leadership, and best practices to create centers of excellence in the following areas:

- Wearable Technology Design Assurance
- Component Testing
- Laminate Characterization
- Potting & Coating Reliability Impacts
- Semiconductor Wearout Testing & Prediction

Education and Training

We take pride in the expertise of our staff and their ability to solve complex reliability challenges. Through our Education and Training programs, we provide our clients with valuable educational resources including online and onsite technical training, custom training. We also offer free, live and recorded webcasts, white papers, case studies and copies of our industry publications. Visit the Education and Training and Resource Centers on our website to learn more.

In Good Company

Some people are lucky to work for a really great company during their career. At DfR Solutions, we work with hundreds of them. We work with high-profile, world-class organizations across every industry. If you've heard of them, we've probably worked with them. Visit **dfrsolutions.com** to see a list of just a few.

Thought Leaders

Our staff members are recognized thought leaders in the electronics reliability space. They regularly present technical papers at industry conferences and publish articles in well-known electronics industry journals and magazines. DfR Solutions Staffers also hold senior level memberships in most of the industry electronics and reliability associations like ACM, ASQ, EDS, I&M, IEEE, IEST, IMAPS, iNEMI, IPC, PERM, SMTA, SMTAI, and SRE, just to name a few.

Qualifications and Recognition

We are ISO 9001 Certified and ITAR Registered and have received numerous awards and recognitions.

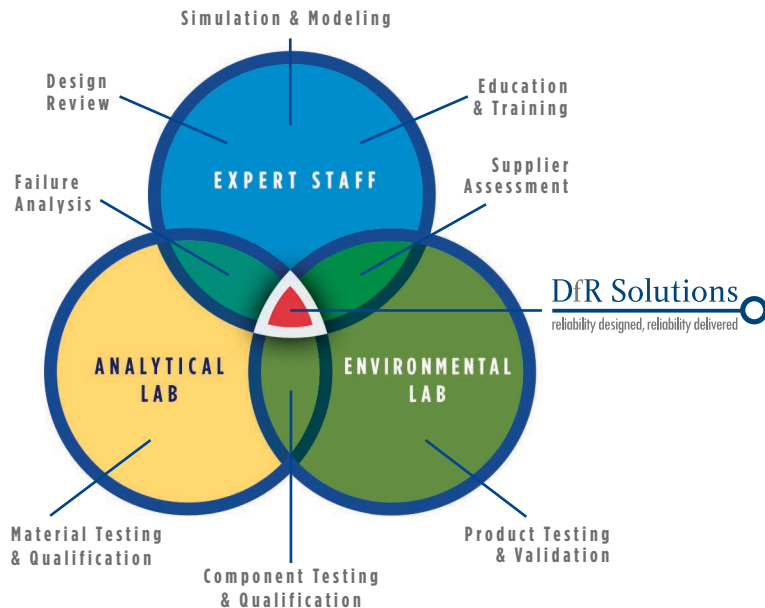*Global Technology Awards (2012 and 2013)*

Inc.

Inc. *magazine's list of America's Fastest-Growing Private Companies in 2012*

Military Embedded Systems
Editor's Choice Award

Printed Circuit
Design & Fabrication
New Product Award

A Unique Fusion of all the Right Components to Solve Your Reliability Challenges

Simulation & Modeling

Design Review

Education & Training

Failure Analysis

EXPERT STAFF

Supplier Assessment

ANALYTICAL LAB

ENVIRONMENTAL LAB

Material Testing & Qualification

Component Testing & Qualification

Product Testing & Validation

DfR Solutions
reliability designed, reliability delivered

Local Service, Global Reach

With corporate headquarters in the Baltimore/DC/Northern Virginia Technology Corridor, regional offices in Michigan, Texas, and California, and resellers throughout Europe and Asia, DfR Solutions is well positioned to support your global reliability challenges.

DfR Solutions
9000 Virginia Manor Road
Suite 290
Beltsville, MD 20705
301-474-0607

dfrsolutions.com
sales@dfrsolutions.com
Linkedin.com/company/
dfr-solutions

DfR Solutions
reliability designed, reliability delivered