FOR IMMEDIATE RELEASE

Contact: Amy McGrath, Communications Director
DfR Solutions
amcgrath@dfrsolutions.com
267-337-2495

Realize Faster Time-to-Market through a Reliability Physics-Based Approach

Increase confidence and reduce risk of failure in aerospace engine technology

Beltsville, MD – July 11, 2018 – DfR Solutions, pioneer in Reliability Physics and leader in quality, reliability, and durability solutions for the electronics industry, today announced that it will be giving two presentations at the Turbine Engine Technology Symposium (TETS) in Dayton, Ohio September 10-13, 2018. Dr. Craig Hillman, CEO, is presenting ***High Temperature Materials for Electronic Control Assemblies*** on Thursday, September 13 at 11:30 AM. Ed Dodd, VP of Business Development, is presenting ***Realize Faster Time-to-Market through a Reliability Physics-Based Approach*** on Wednesday, September 12 at 2 PM.

As part of the Distributed Engine Controls Working Group (DECWG®) consortium, DfR Solutions is participating in the High Temperature Packaging Technology Focus Group (TFG). The goal of this team is to investigate electronics packaging technologies needed to implement high temperature electronics in the aerospace engine environment. The effort will include component and material selection activities along with test and analysis to form the basis for the systematic evaluation of reliability under the high temperature/broad thermal cycling range and vibration conditions expected in the harsh aerospace engine environment. Dr. Hillman will present results from high temperature laminate screening, high temperature solder selection, design of experiments matrix, thermal cycling and vibration test plan considerations, and plans for post-test modeling and implementation opportunities.

In his presentation, Mr. Dodd will address Reliability Physics Analysis and discuss how flowing these best practices down the supply chain can unify reliability efforts, increase confidence, and reduce risk during final integration and fielding. Reliability Physics Analysis is a science-based approach that uses knowledge about failure mechanisms to predict reliability and improve product performance. Advancements within the turbine engine community in areas such as power

~more~

generation, digital avionics, and high temperature electronics and materials have increased competition across a greater number of suppliers. Mr. Dodd's presentation will illustrate how to successfully implement reliability physics into an organization, reducing the risk of field failures while speeding time to market and improving ROI.

The TETS Symposium is a biennial forum where the United States turbine engine community gathers to review and discuss the latest turbine engine technology advances. The Symposium draws an audience of approximately 1000 engineers, scientists, managers, and operational personnel from the turbine engine community, including the Army, Navy, Air Force, NASA, DARPA, DOE, FAA, engine and aircraft manufacturers, material and component suppliers, and academia.

'The TETS conference is an opportunity for us to highlight the work that we have been doing with the aerospace industry to improve product performance and reliability,' said Dr. Craig Hillman, CEO of DfR Solutions. 'These are mission-critical applications exposed to extreme environments that require complete confidence in safety and reliability,' said Hillman. 'We are excited to share this crucial information with this important audience,' stated Hillman.

About DfR Solutions

DfR Solutions is world-renowned for its expertise in applying Reliability Physics Analysis to electronics technologies and is a leading provider of quality, reliability, and durability research and consulting to the electronics industry. The company pioneered the use of Reliability Physics with its innovative, Sherlock Automated Design Analysis™ software providing crucial insights and solutions early in product design and throughout the product life cycle. DfR Solutions empowers its customers to accelerate and maximize product development while saving time, managing resources, and improving customer satisfaction. The company supports Fortune 500 clients in every industry including aerospace/avionics, automotive, consumer, industrial, medical, military, solar and telecommunications. For more information about DfR Solutions, visit www.dfrsolutions.com.

About DECWG®

The DECWG® consortium is dedicated to the development of control technology to enable the next generation of high-performance turbine engine systems. The consortium operates in a precompetitive environment to enable cost sharing of basic underlying technologies necessary to accomplish this goal. For more information visit www.decwg.org.

###