

## Never-Miss-a-Glitch Capabilities:

### Intermittent Fault Detection

True innovation—hitting the root causes of intermittency with unique and proven technology.

### Conventional Testing

But performed at mind-warping speeds.

### Plotting Deterioration

So electrical items can be replaced before failure, in a controlled manner that doesn't impact operations.

### Data

Mining data islands to paint the real picture. What is really hurting the enterprise?

Improved Safety

Improved Availability

Reduced Cost

## Attacking Downtime with Advanced Diagnostics and Testing

Copernicus Technology Ltd (CTL) is a technology company with a unique line of equipment and services that have been developed to attack system downtime.

Applied in production plant, consumer electronics and defence, the approach works:

- In Service
- During Production
- As part of the design phase



To introduce the possibilities and capabilities that our technology offers:

**You are invited to an  
Industry Day  
At Our Lincoln office on  
12 September 2012**

Our technology will be running demonstration testing, and we will be briefing our development journey and case studies. Academic perspectives on currently-realized benefits and future exploitation will be available from Cranfield and Lincoln Universities.

You can get further insight on the web or **call our Customer Focus Director James Martland, 07917671940.**

RSVP or drop in on the day.

Email: [industry.day@copernicustechnology.com](mailto:industry.day@copernicustechnology.com)  
01522 668901

## Did You Know?

The No Fault Found (NFF) syndrome costs **\$200 000 per annum** for every civil airliner.

60% – 85% of consumer electronics 'returned faulty' items are NFF, costing in excess of **\$25 Billion** in Europe and the US.

A major factor in the NFF syndrome is the stability of electrical connections during real-life use:

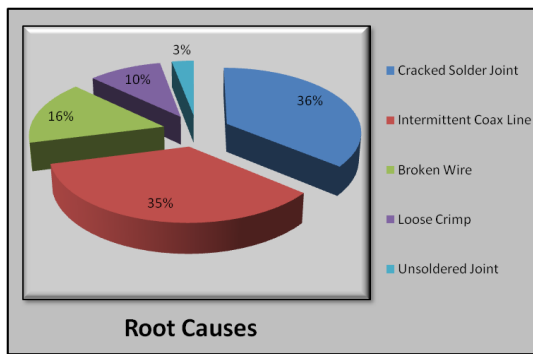
- **Intermittent connectivity checks out as serviceable using conventional techniques during development, production and repair.**
- **BUT then fails intermittently under environmental stimuli such as heat, vibration and shock.**

Using conventional equipment to find these faults is literally a Lottery – you have the same probability of success. CTL's Intermittent Fault Detection (IFD) technology is the **ONLY** equipment :

- Optimized to attack the causes of this huge NFF waste.
- Offering accelerated 'conventional' fault diagnosis.
- Able to assess the integrity of electrical/electronic items, enabling planned replacement rather than unscheduled down-time.

## Where to Begin?

Many organizations are suffering NFF waste and pain but finding the right solution can be a challenge. Maintenance data can be unhelpful, repair and supply chain feedback confusing. CTL is working with clients to improve this. We offer data, process and training solutions to improve things quickly and simply; this helps clients to see the real picture and identify the biggest potential improvements.



## Developments for the future

CTL are working with Cranfield University as a partner in the EPSRC Centre for Innovative Manufacturing in Through-life Engineering Services [No Fault Found Project](#), and with the Lincoln University School of Engineering. By developing new ways to deploy our technology and diagnostic approach we are bringing benefits realized in aircraft maintenance to other sectors.

## News and Reports:

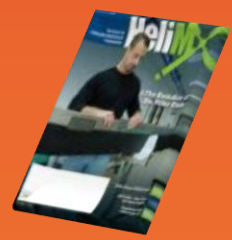
[Aerospace NFF Survey:](#)



[Accenture: Big Trouble with "No Trouble Found"](#)

[DoD Award – Best Maintenance Idea 2010](#)

[The Right Stuff FOR AGING ELECTRONICS/ INTERMITTENCE/NO FAULT FOUND](#)



[No Fault Found Solutions on LinkedIn](#)

[Inaugural Meeting: ADS Maintenance, Repair, Overhaul and Logistics Knowledge Transfer Network – NFF Working Group](#)

**Copernicus Technology Ltd**  
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## Timings:

**0830-1700**

- Reception, Refreshments and open viewing of Intermittent Fault Detection Equipment/Mini Flight Line Test Set & data tools.

*Held throughout the day in the Main Lobby*

*Drop In or side-bar to main agenda*

**0930-1100**

- What causes downtime and how does it hurt:
  - Measuring root causes
  - Cost Impact and how we assess it
  - Case Studies and Group discussions

**1100-1400**

*(Flexible Lunch  
1200-1245)*

- Solutions to No Fault Found (NFF)
  - Training (Copernicus Technology introduction)
  - Data Management – (Led by Continental Data Graphics)
  - Test Solutions – (Cassidian T&S UK/Copernicus Technology)

**1400-1445**

- Support Network
  - NFF Working groups
  - Cranfield EPSRC NFF Project (Cranfield University)

**1445-1530**

- R&D
  - Feedback from current work with Lincoln University
  - Plans for the future

**1530- 1600**

- Closing discussion

## Agenda