

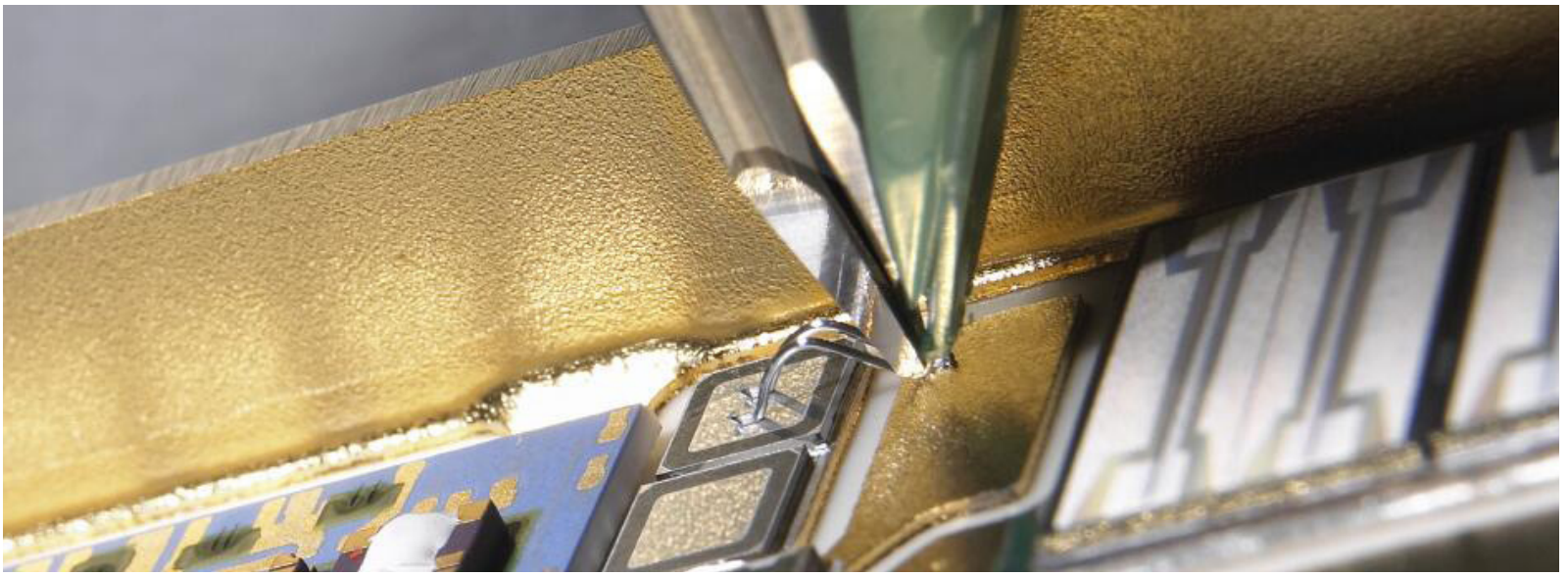
GE Aviation

# GE Aviation Systems Newmarket

Delivering microelectronic solutions  
in harsh environments



Imagination at work



## About Us

We deliver microelectronic solutions for operation in harsh environments. Supported by a global network of GE Research Centres, we provide bespoke electronic modules in the following product application areas:

- **Sensor Signal Processing**
- **Communication and Data Gathering**
- **Power Devices and Switches**
- **Ruggedised Displays**

GE Aviation Systems Newmarket is a specialised facility for custom, high reliability electronics and display solutions. We have over 60 years of experience in the design and manufacture of advanced bespoke modules for microelectronics operating in harsh environments.

Newmarket has grown from a singular focus on aviation and defense markets, holding AS9100C accreditation, to offering this level of quality across a range of industrial and commercial applications.

## Microelectronic & Display Solutions

We produce bespoke electronic modules to meet specific needs across multiple harsh environment sectors.

- **ASICs (Application Specific Integrated Circuits)**  
Custom designed silicon to miniaturise size and maximise functionality for specific applications.
- **Thick Film Hybrids**  
Sensor conditioning, control and data transmission where size and weight are critical.
- **SSPCs (Solid State Power Controllers)**  
Intelligent switching of power generation and conversion.
- **High Temperature Electronics**  
Control electronics for long term operation at temperatures up to 250°C.
- **Ruggedised Displays**  
High brightness display units for use in high ambient lighting environments.

## Optimised Performance

Our facility revolves around a customer centric culture, tackling exacting and diverse requirements to deliver optimised electronics including:

- **Power consumption**
- **Weight**
- **Space**
- **Cooling system reductions**
- **Reliability**
- **Lifetime**
- **Costs**

Obsolescence is a major cost driver in high reliability industries.

GE Aviation Systems Newmarket is an industry leader in providing comprehensive and cost – effective solutions for component obsolescence through replacement by form, fit and functionally identical devices.

## Contact details:

- [Jeff.kennelly@ge.com](mailto:Jeff.kennelly@ge.com)
- [Michael.dowell@ge.com](mailto:Michael.dowell@ge.com)
- [Colin.warn@ge.com](mailto:Colin.warn@ge.com)

Imagination at work