

# TORBAY'S HI-TECH SECTOR THE LEADING LIGHT

## DELIVERING WORLD CHANGING TECHNOLOGY

### IN TORBAY & SOUTH DEVON

Torbay is nationally recognised by industry as one of the top locations for electronics and photonics expertise in the country, and has a strong growing cluster.

Key companies within Torbay and South Devon include specialists in advanced manufacturing, electronics, photonics, optical coatings, GNSS, fibre optics, RF & wireless manufacturing:

**OVER 960** FTE

directly employed in the electronics & photonics industry in Torbay and South Devon

**EXCESS OF £108M**

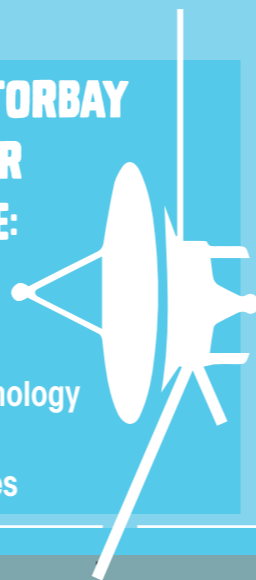
generated per annum

**OVER 50%**

of which is exported to 15 countries spanning all 6 continents.

**AREAS WHERE TORBAY HAS PARTICULAR STRENGTHS ARE:**

- Optical Systems
- Medical technology
- Manufacturing technology
- Defence
- Satellite technologies



### IN THE SOUTH WEST

**HOME TO** the largest concentration of silicon designers in Europe and only second to Silicon Valley in the USA.

**ESTIMATED 715**

companies based in the South West

**AROUND 8,700**

employed in the electronics, sensors & photonics industries.

Clusters around  
**BRISTOL BATH**  
**SOUTH GLOUCESTERSHIRE**  
**SOUTH DEVON**

### IN THE UNITED KINGDOM

**MORE THAN 8,000**

companies in the electronics, sensors and photonics industry

**AROUND £29BN**

generated a year in revenues

**OVER £12BN**

contributed per year to the UK economy

**OVER 70,000**

people employed in this sector

**ESTIMATED 8-10%**

growth annually for the next 10 years

### UK PHOTONICS INDUSTRY

produces lasers for manufacturing, entertainment, computer chips, transmitting information, 3D printing, measurement, sensors and healthcare.



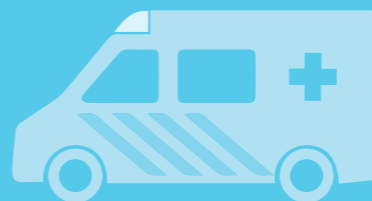
**EVERY EURO FIGHTER TYPHOON CONTAINS COMPONENTS MANUFACTURED IN TORBAY**



**46%**  
OF LARGE COMMERCIAL AIRLINERS CONTAIN ELECTRONIC COMPONENTS FROM TORBAY



**TECHNOLOGY DEVELOPED IN TORBAY EXTENDS AS FAR FROM PEOPLES POCKETS TO THE OUTER EDGE OF SPACE.**



**OVER 1.3M ELECTRONIC COMPONENTS PROCESSED IN TORBAY HAVE BEEN USED FOR EMBEDDED LIFESAVING APPLICATIONS**

**LEADING R&D FOR MICROELECTRONIC COMPONENTS IN HARSH ENVIRONMENTS**

**-55°C TO 225°C**

**"IF GENERAL MOTORS HAD KEPT UP WITH THE TECHNOLOGY LIKE THE SEMICONDUCTOR INDUSTRY, WE WOULD ALL BE DRIVING \$25 CARS THAT GOT 10,000 MILES TO THE GALLON"**

Bill Gates



#### SUPPORTED BY LEADING UNIVERSITIES:

- University of Exeter – Centre for Additive Layer Manufacturing
- University of Plymouth – The Electron Microscopy Centre
- University of Bath – Lab for Integrated Metrology Applications
- University of Cambridge – Institute of Manufacturing
- University of Bristol – Centre for Quantum Photonics

#### CUSTOMERS INCLUDE:

- Bosch
- Canon
- Fujitsu
- Hitachi
- NEC
- Panasonic
- Ricoh
- Cisco
- Ericsson
- Huawei
- Nokia Siemens Networks
- BT
- Motorola
- Google
- Dell
- HP
- AMD
- Intel
- European Space Agency
- NASA
- Airbus
- Rolls Royce

#### ENGINEERING BASE FOR:

- Gooch & Housego
- Elektron Technology
- Waveguide Solutions
- Valeport
- Sub10 Systems
- Select Group of Companies
- Eurotech
- Alpha Contract Engineering
- Eltek Semiconductors

#### R&D BASE FOR:

- II-VI Lasers
- Oclaro Technology
- Gooch and Housego
- Spirent Communications
- Effect Photonics
- Venture Photonics

