

An introduction to e2v

Several thin, wavy, golden-brown lines that sweep across the middle of the slide, creating a sense of motion and design.

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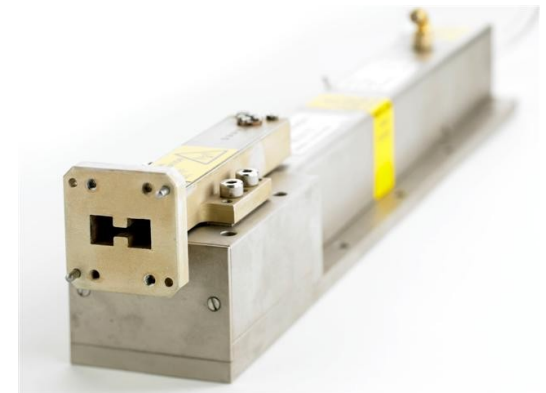
e2v is a leading global provider of technology solutions for high performance systems; delivering solutions, sub-systems and components, to advanced systems companies, for specialist applications within medical & science, aerospace & defence, and commercial & industrial markets.

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- A light blue, semi-transparent world map is positioned in the background behind the list of bullet points, showing the outlines of continents and major landmasses.
- Founded: 1947
 - Annual sales of approx \$320 million
 - Corporate HQ: Chelmsford, England
 - Listed on the London Stock Exchange and FTSE4Good index
 - Employees: approx 1500, of whom approximately a third are engineers and scientists
 - 13 main global locations
 - 6 production facilities: 3 in England, 1 in the US, 1 in France and 1 in Switzerland
 - Industries served: medical & science, aerospace & defence, and commercial & industrial markets
 - Sales made to over 50 countries



RF power solutions for:

- Defence electronic countermeasures
- Radiotherapy cancer treatment machines
- Radar systems
- Stellar satellite communications amplifiers
- Industrial heating
- Cargo screening
- Bulk materials processing
- Missile control safety and arming devices
- Digital television transmitters





A range of **instrumentation solutions** for applications including:

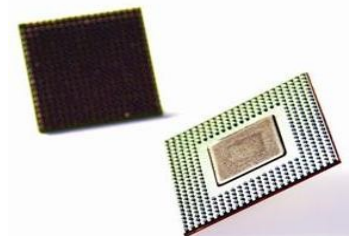
- Environmental safety and process control instrumentation incorporating high performance gas sensors
- X-ray spectroscopy
- Fire, rescue and security thermal imaging

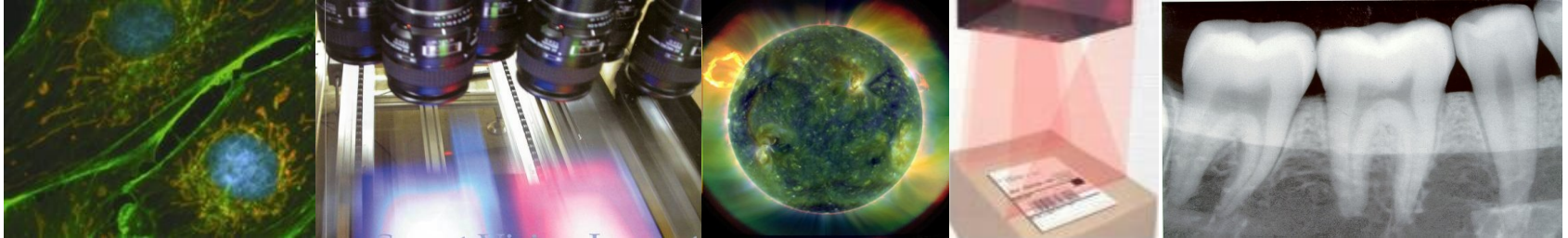




Hi-rel semiconductor solutions for aerospace & defence programmes requiring:

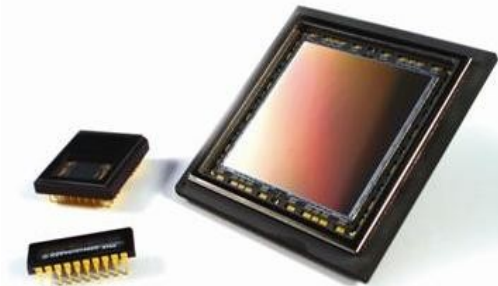
- Lifecycle management
- Hi-rel microprocessors
- High speed data converters
- High reliability ICs with lifetime continuity of supply
- Assembly & test services
- MRAMs





High performance imaging solutions for programmes requiring CCD & CMOS sensors and cameras for:

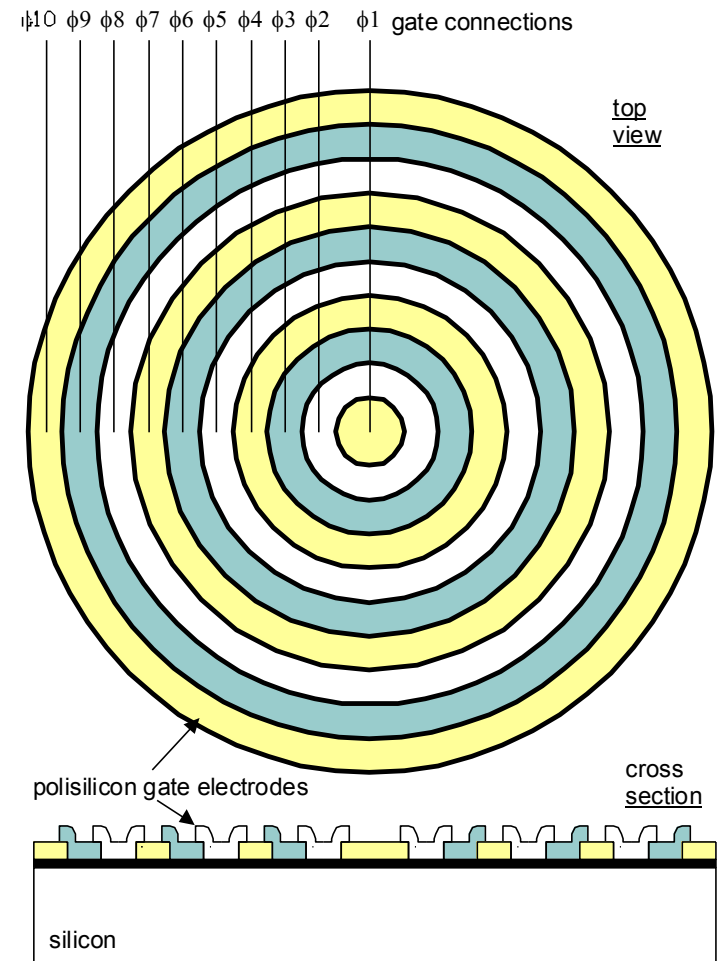
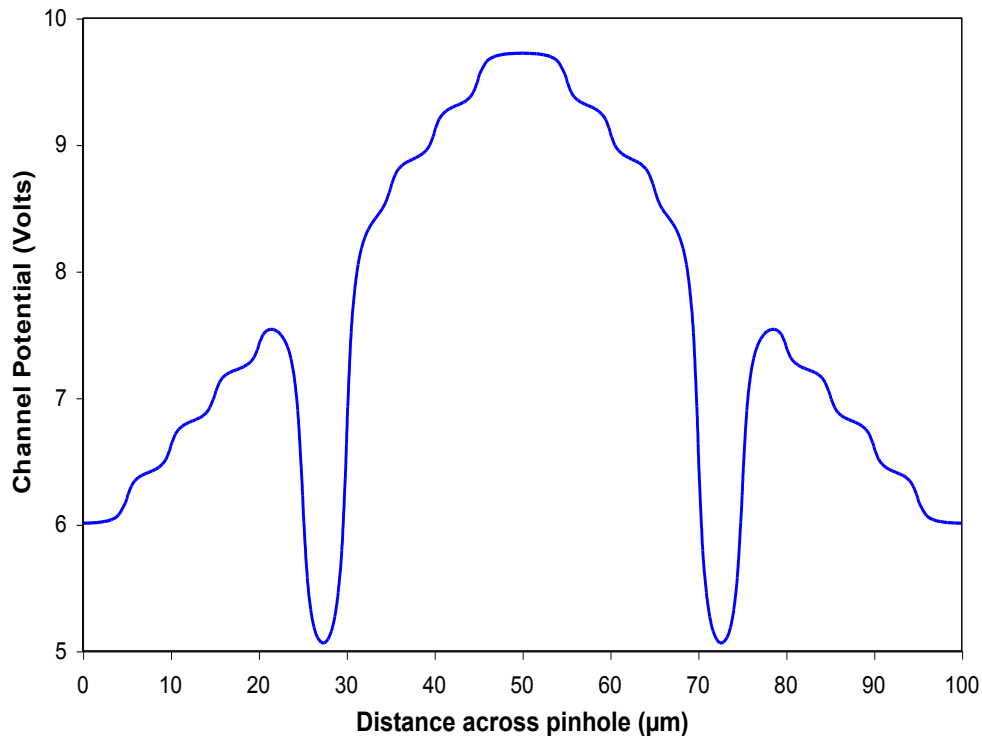
- Space and earth observation imaging
- Science and life science imaging
- Machine vision
- Ophthalmology
- Dental x-ray systems



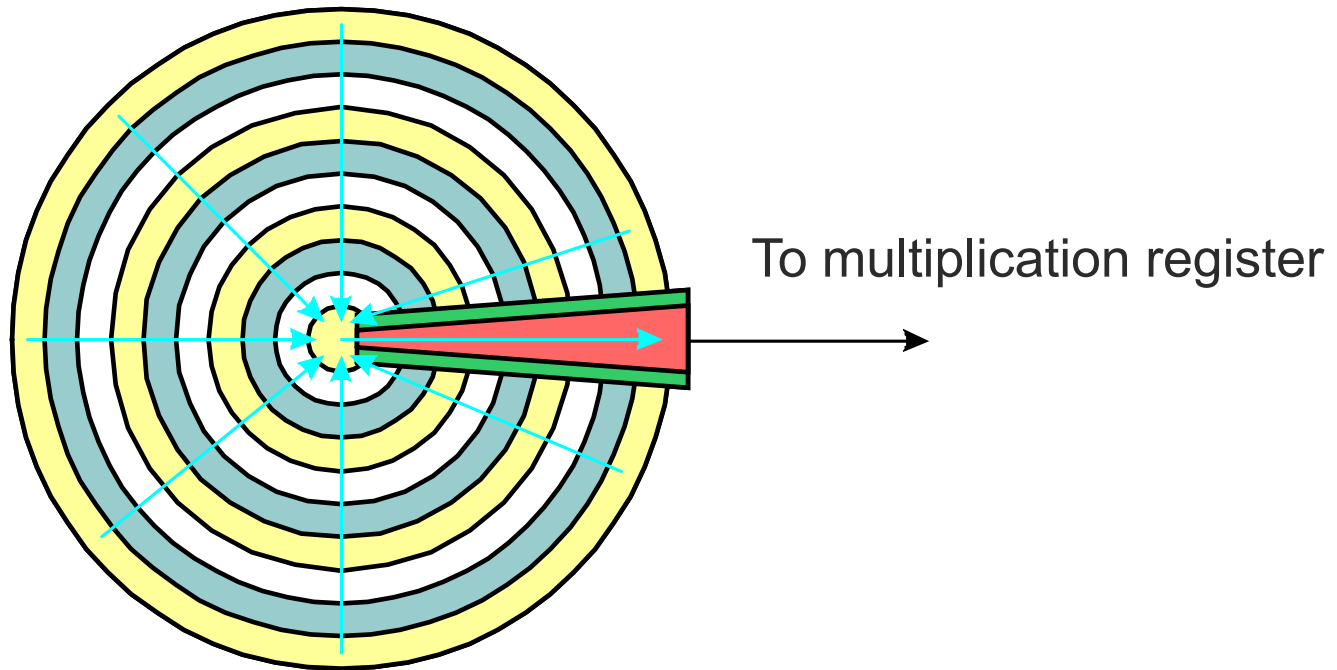
Sensor For Confocal Microscopy

e2v

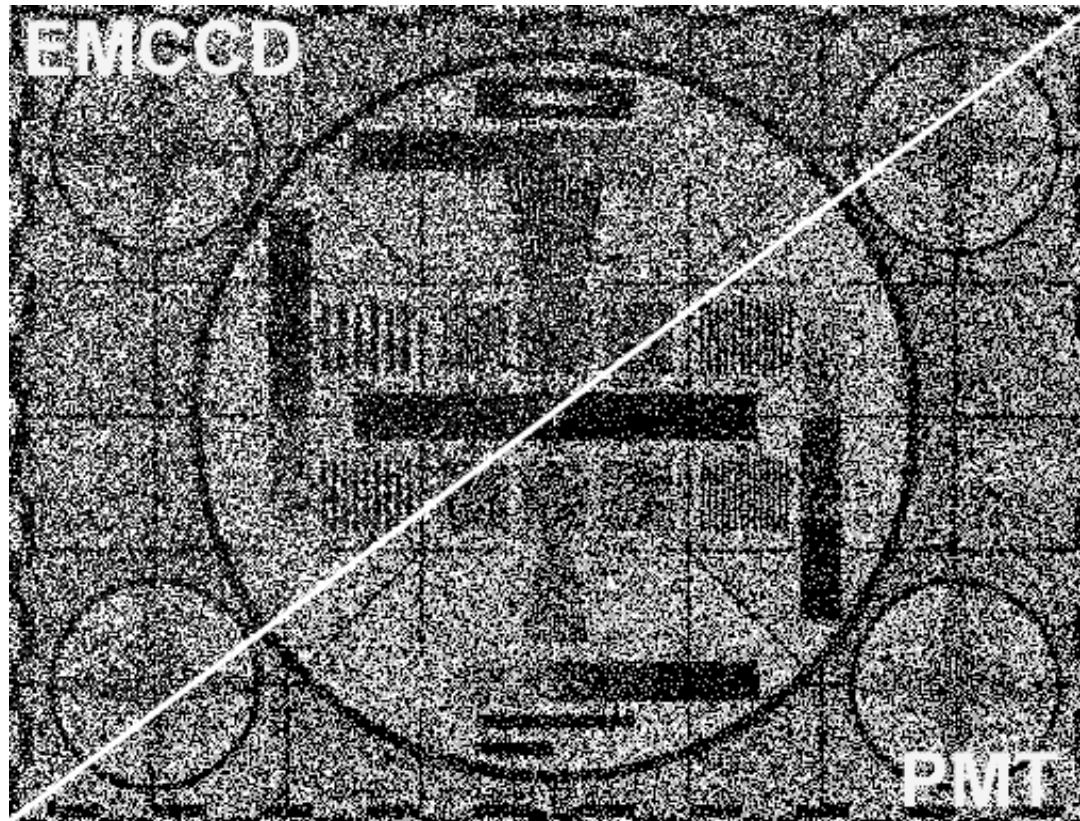
- The pinhole aperture is controlled by DC biases



- Charge is swept from centre into multiplication register
- Utilises impact ionisation to provide an electron multiplication gain



- Modelled comparison between PMT and EMCCD for a 4x reduction in light level incident on the EMCCD 20 °C



- e2v is interested in the SiPM technology
- We are able to manufacture high quality devices
- Capable of producing custom devices
 - Different coatings
 - Different active areas
 - Different packages
- We are interested in supplying devices and helping in the development of instrumentation

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