

Transversal competencies



United Monolithic Semiconductors (UMS) is the European leader in offering RF MMIC products and foundry services for specialised markets, including Defence and Space, Telecommunications, Automotive Radar and Industrial Sensors.

## COMPETENCIES & CAPABILITIES

- Space evaluated technologies with GaN and GaAs processes from DC to 100GHz: Low noise and power pHEMT, HBT, Schottky diode, MESFET GaN HEMT
- MMIC assembly in hermetic metal ceramic SMD package: Hermetic sealing, Space qualified assembly process and space documentation, Traceability, Compatibility with many parts of our catalogue.

For flight models delivery, UMS is used to handle all the required WAT/LAT qualification processes according to space standards, for both catalogue products or MMIC designed by customers in foundry mode.



# United Monolithic Semiconductors

## PRODUCTS & SERVICES

UMS has a comprehensive offer based on the supply of either ASIC or catalogue products, in the main based on the Company's internal III-V technologies and through the provision of a comprehensive foundry service which allows customers to directly create their own product solutions.

The full range of catalogue products from DC to 100GHz is based on GaAs, GaN, SiGe technologies and encompasses Power Amplifiers up to 200W, mixed signal functions, very Low Noise Amplifiers, and complete transceiver systems. These products are offered in die form but are more commonly packaged and in multichip module form.

Our GaAs and GaN processes provide the technology platform to allow the design of our leading edge products and form the basis of our foundry service offer to external design centres.

## MAJOR SPACE PROJECTS & REFERENCES

UMS has a reputation for and a long heritage in supplying high quality products to the most demanding markets. UMS is ISO 9001, ISO 14001 and ISO TS16949 certified. The majority of the UMS III-V internal technologies is approved for Space use and is part of the ESA EPPL list.

UMS delivered qualified parts in most of the Space Programs such as: GALILEO, OneWeb, Biomass, GISAT-1, MADRAS, FLIP, RADARSAT2, COSMO, Sentinel,

## POINT OF CONTACT

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**TURNOVER**

**WORK FORCE**: 416 employees

**SPACE TURNOVER**

**SPACE WORK FORCE**