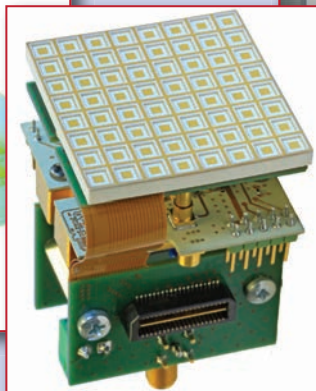
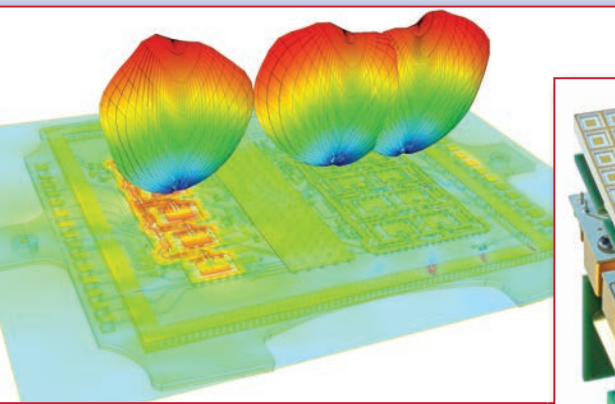


FAB\$ and LAB\$S

IMST – standing for Innovation, tailor-Made Solutions and Technology



In 1992, with the financial backing of the state government of North Rhine-Westphalia, Germany, IMST was established, with the primary aim of delivering leading-edge science and technology to industry. Since then the company has become a real innovator in cutting edge telecommunication solutions.

As a leader in researching and developing new products for mobile communications systems, radar, integrated circuits, RF circuits and advancing modern antenna technology, the company specializes in creating tailor-made system solutions for industrial customers. Significantly, IMST's R&D chain supports the whole design process, starting with the creation of ideas for new products and continuing through to implementation, product qualification and manufacturing support.

The headquarters in Kamp-Lintfort, in the Düsseldorf area of Germany offers 4,500 m² of laboratories and offices. The company currently has about 170 employees, mostly scientists and engineers, as well as several visiting researchers. IMST is active in a number of R&D and industrial projects focusing on a wide range of antenna and RF applications such as mobile devices, 5G, automotive, medical devices, radar, RFID and satellite components. In particular, array antennas (phased array technology) have become a key area of expertise.

IMST has also leveraged its research and commercial experience into valuable software and hardware products for emerging markets. The Empire XPU™ software tool is claimed to be one of the fastest and most efficient 3D-EM-field solvers worldwide. Hardware products include 24 GHz radar systems and different wireless modules including LoRa™ solutions.

The company boasts more than two decades of experience in the design of active RF front-ends, including anten-

na and beam forming networks, as well as search and track algorithms, the required DSP hardware/software, baseband and the design of active and passive RF components. Also, RF simulations/benchmarking of complete front-ends and fast prototyping capabilities with full conceptual functionality are part of the company's portfolio.

Testing and qualification are key to IMST's operation. A complete range of testing and measuring services are offered. Resources include a DC to 110 GHz microwave measurement facility, a 300 m² clean room for hybrid technology (class 100 to 1000), equipped with photo lithography, bonding, laser trimming devices and LTCC fabrication facilities, a 110 m outdoor far field range and EMC test chambers. Testing procedures are carried out in accordance with national, European, and International directives and standards. A wide range of measurement services for verifying the performance of RF materials, antennas, circuits, and entire systems (e.g., ISM, GSM/UMTS) are available.

IMST is not only capable of offering advice to customers on test and certifications but also performs the accredited certification (acc. to DIN EN ISO 17025) regarding CE, EMC, EMF, R&TTE, SAR, OTA and high-frequency equipment, all according to the appropriate regulations such as DIN, EN, ISO, FCC, DGUV, BImSchV and ICNIRP. Its test center is also a notified laboratory to perform measurements for UN ECE-R10 by the German Federal Motor Transport Authority and there are even dedicated test cars. IMST is FCC listed and as an independent testing laboratory, it is qualified to test mobile terminal devices for network operators and handset manufacturers.

With such capabilities, above all, IMST stands for innovative advancement.

www.IMST.com