

||| mmt
gmbh

MEFFERT MICROWAVE TECHNOLOGY

Partners, Products & Solutions



About Us

Founded in 2020, **mmt gmbh** | Meffert Microwave Technology was established to provide technical consulting and distribution of components and systems to customers in the high-frequency and microwave technology sectors.

Our partners include technologically leading, internationally renowned companies that we represent in Germany, Austria and Switzerland.

Our Vision

Our vision is to expand the boundaries of microwave technology through continuous innovation and excellent technical implementation, creating sustainable solutions for a connected world. We strive to be the first choice worldwide for customers seeking highly specialized microwave solutions.

Our key areas

Our company specializes in high-frequency technology and wireless measurement technology, particularly in wireless connectivity, physical technology and communication electronics. With a broad range of products and services, we offer innovative solutions in technically demanding fields, drawing on our many years of experience.

Development, Manufacturing, and Distribution of RF

Assemblies and Systems: We collaborate closely with international partners to develop and distribute high-quality RF components and systems.

Engineering for Test Systems: Our expertise mainly covers the automotive and industrial sectors, where we develop and implement advanced test systems.

Antenna Systems and Single Antennas: Our range includes solutions for technical physics, EMC, military, communication and measurement technology to meet the requirements of our clients in these demanding fields.

Project Planning and Consulting: We offer comprehensive consulting and support for complex RF systems, including passive radar, broadband building distribution, signal processing and development support. Our international partnerships enable us to provide high-quality products and services.

Our vision is to provide our customers in the world of high-frequency technology and wireless measurement technology with high-quality solutions. The mmt gmbh stands for quality, innovation and strong partnerships.

Components and Systems RF and MW Technology

In addition to our own development and manufacturing, we collaborate with international partners to develop and distribute high-quality RF components and systems.



Adaura Technologies Handover Systems and Programmable Attenuators

Adaura Technologies develops automated RF test systems for testing wireless networks, IoT and 5G applications. Its main products include RF attenuators and handover systems for network simulation and analysis. The company provides flexible solutions to support network operators and developers in optimizing their systems.



DB Design Communication Technology Co., Ltd. Mechanical Coaxial and Waveguide Switches

DB Design Communication Technology develops and produces mechanical switches in coaxial and waveguide technology. Typical applications include telecommunications, test automation, aerospace and defense. The company provides customized solutions that meet the highest technical requirements and supports customers worldwide in improving their systems.



Dolph Microwave Co., Ltd. Waveguides, Antennas and Assemblies for Satellites, Aerospace and Defense

Dolph Microwave Co., Ltd. develops and produces microwave and RF components like couplers, filters and amplifiers for telecommunications, satellite and broadcasting. With high innovative strength and customised solutions, the company meets international quality standards.





el-spec GmbH

Coaxial Cables & Connection Technology, High-Power, LowLoss & Low-Temperature Applications

Expertes in innovative and high-quality RF coaxial cables, RF connectors, RF assemblies, and RF components. el-spec specializes in coaxial cable solutions and connectors in the high-frequency range with core competencies up to 110GHz.

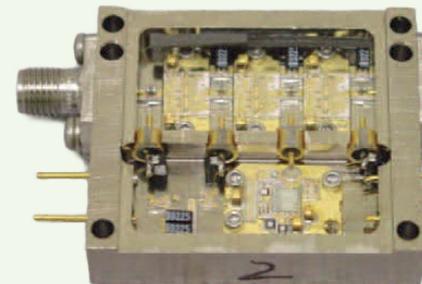


CERNEX, Inc.

Cernex, Inc.

Precision and Performance for RF and Microwave Applications

CERNEX, INC. combines technological expertise with the highest manufacturing quality, developing high-performance thin-film hybrids as well as microwave and millimeter-wave components up to 220GHz. Through state-of-the-art CAD design and many years of engineering experience, reliable solutions for demanding applications are created.





Qualwave

Qualwave Inc.

Active, Passive RF Components and Customised Designs

Qualwave Inc. is a developer and manufacturer of microwave and millimeter-wave products. The portfolio includes both active and passive components across a wide frequency range from DC up to 110GHz. In addition to standard products, customised designs are also available.



microwave amps Part of Nodica Group

microwave amps Ltd.

High-Frequency Amplifiers with Power and Precision

For over 30 years, Microwave Amps has been developing and manufacturing high-performance Solid-State Power Amplifiers (SSPAs) for demanding applications. The portfolio covers frequencies from 20MHz to 20GHz, with output power up to 5kW per module and up to 20kW in modular rack systems.





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Candela Technologies

WiFi Test Environments and Traffic Generators

Candela Technologies develops network and WiFi testing solutions such as emulators, traffic generators and load testing systems to optimize network performance. These flexible and scalable test systems help network providers, developers and operators test their systems under realistic conditions.



IGOS-MN Ltd.

RF Shielding Solutions, Shielded Boxes, Absorber Chambers and Automated Test Boxes

Igos-MN RF Shielding develops and produces RF shielding solutions such as rooms, chambers and enclosures according to international standards. Their custom-made products, ranging from shielded boxes to complex absorber chambers, are manufactured according to the motto "Design follows performance" with a clear focus on innovation.



Engineering for Complete Test Systems

Together with our partners, we design and manufacture custom test solutions for all wireless communication standards.

Our expertise extends to the automotive, network and industrial sectors, where we implement advanced systems.

Our customers include well-known companies from the automotive industry and their suppliers, the network technology sector and modern telecommunications.

LITEPOINT

A Teradyne Company

LitePoint Europe A/s

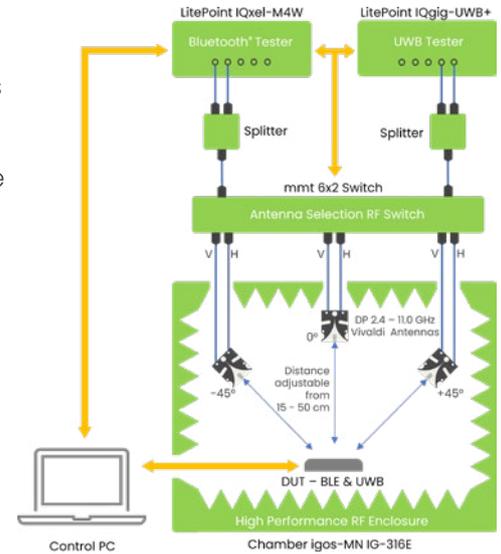
Testing Devices for Wireless Connectivity, such as WiFi, Bluetooth, UWB, LTE and 5G

LitePoint offers turnkey wireless testing solutions for over 350 chipset profiles and supports chipset manufacturers early in the development phase. The IQfact+™ software enables fast mass production with minimal effort, reducing time to market.

RadGreen

RadGreen
Indoor Well-being, Environmental and Air Quality Management

RadGreen is a manufacturer of a product line for the continuous monitoring of RF radiation and alerting across various bandwidths. The product solutions are suitable for both indoor and outdoor use. Visualization allows for central monitoring, alerting, data logging and remote configuration of multiple locations.



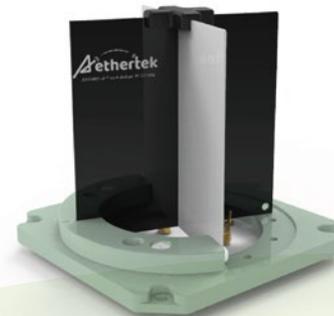
Antenna Technology Partners and Products

Antennas are the final link in a chain of subsystems, playing a particularly important role: transforming a signal transmitted through a cable into a propagating electromagnetic wave in another medium, typically air. This gives antennas and associated systems a significant importance in modern telecommunication systems and facilities.



Aethertek technology co., Ltd. 5G/6G Phased Array Antennas, Up/Down Converters and Switches

Aethertek Technology Co., Ltd. develops wireless communication solutions and RF technologies, including 5G antennas, WiFi modules and IoT solutions. The products are used in telecommunications, automotive and automation industries. With a focus on research, Aethertek is a reliable partner for high-performance technologies.



NextMove Technologies Intelligent Positioning Solutions for Antennas and Optical Systems

NextMove Technologies develops lightweight antenna positioners for satellite and terrestrial applications, featuring an integrated controller and sensors. The software enables easy data acquisition, tracking and peak detection and communicates directly with radios and satellite modems for stable broadband connections.





QuadSAT

Drone-Based Antenna Measurements and Calibration

QuadSAT develops drone-based testing solutions for precise assessment and analysis of antenna systems and ground stations. Using advanced technology, AI and automation, QuadSAT creates antenna patterns and simulates satellite orbits, reducing testing time through increased efficiency.



Steatite Ltd., Antenna Division

Antennas and Antenna Systems

Steatite Ltd., Antenna Division, develops high-frequency antennas for telecommunications, military, and industrial applications. The company offers customized transmission, reception and satellite antennas, as well as direction-finding systems, utilizing the latest technologies and research.



Our antenna portfolio includes:

- EMC & High-Performance Antennas
- Horn Antennas
- Omni Antennas
- Reflector Antennas

- Spiral Antennas
- Sine Antennas
- ELINT/DF Systems
- Antenna Positioners



Development and production HF assemblies and systems

mmt GmbH develops and manufactures customized high-frequency solutions for industry, aerospace, telecommunications, and defense – precise, innovative, and reliable.

ranatec

Invent to improve

Ranatec

Efficient Test Automation and Robust RF Connectivity for Modern Wireless Technologies

Ranatec combines technological innovation with manufacturing excellence, developing specialized RF test and measurement equipment for wireless applications. The portfolio includes switchable RF switches, digital attenuators, Butler matrices, shield boxes, and feedthrough filters – all tailored for demanding wireless test automation up to the microwave range.



horizon microtechnologies

Horizon Microtechnologies GmbH

Precision Microfabrication for Next-Generation Devices

Our process enables the production of highly functional microcomponents – whether for cutting-edge antenna structures or scalable, custom manufacturing. We combine design freedom, performance, and production readiness for a wide range of industries.



mmt gmbh

Project Planning and Consulting

We provide comprehensive consulting and support for complex RF systems, including passive radar, broadband building distribution, signal processing and development support.



Silent Guardian – Passive Radar as a New Technology

This radar system offers a wide range of applications

- Covert tracking of moving objects from ground level up to an altitude of 10km and beyond
- No signal emission of its own (utilizes existing radiation or a dedicated decoy transmitter)
- 450km² air/ground monitoring (3D detection of moving objects with a radar cross-section of at least 0.5m²)
- Low maintenance requirements
- Mobile deployment through the use of stationary units

Applications include, for example airports, building security, border surveillance or coastal monitoring.



Parasol Defence

The Passive Radar System for Covert 3D Positioning

Parasol Defence develops and operates a unique passive radar solution for detecting air movements in security-critical environments. These applications include wind farms, national borders, critical infrastructures and increasingly, battlefields.



Consulting and Project Management System Concepts and Implementation

Development, technical consulting, and the creation of customized system concepts complete our range of activities.

We work with a variety of clients across different sectors of high-frequency technology. With many years of experience and a background of numerous successfully completed projects, we look forward to addressing your requirements.

In addition to comprehensive consulting and support for complex RF installations, including broadband building distribution, signal processing and development support, we also prepare the necessary documentation, as well as requirements and specification sheets.



About mmt gmbh

mmt gmbh | Meffert Microwave Technology is a leading company in the development and manufacturing of high-precision microwave technologies. Since our founding, we have been dedicated to providing innovative solutions for the most complex challenges of our customers. With a strong focus on quality, reliability and technological excellence, we are your trusted partner in microwave technology.

Innovation and Quality

Innovation and quality are the foundation pillars of our corporate philosophy. Our highly skilled engineers and technicians work tirelessly to develop and integrate the latest technologies into our products. Through rigorous quality control and state-of-the-art manufacturing techniques, we ensure that our products meet the highest standards.

Sustainability and Responsibility

At **mmt gmbh**, we are aware of our responsibility toward society and the environment. Therefore, we are committed to sustainable production methods and place great importance on environmental protection and resource conservation. Our goal is to develop sustainable technologies that make a positive contribution to the global community.