

Integrated communication

AN EXCITING ACQUISITION OF A TRUE INNOVATOR MEANS **MTA** IS NOW ADDING THE DESIGN AND MANUFACTURE OF STATE-OF-THE-ART ANTENNAS TO ITS PORTFOLIO - ENABLING MACHINE COMMUNICATION AND CONNECTIVITY LIKE NEVER BEFORE



The most recent addition to Italian company **MTA** Group is **MTA** Antenne, a new arm deriving from the acquisition of a business unit of Calearo Antenne, which was founded almost 70 years ago in 1957, and is known for developing and manufacturing wireless communication technologies.

The core business of **MTA**'s new unit is the design and manufacturing of antennas and RF amplifiers according to the different trends and needs of the customers and market, covering both OEM and aftermarket demand.

Calearo was known for innovation. In the 1970s it launched the first automatic motorised antennas and in the early 2000s the world's first shark-fin shaped antenna.



ABOVE & BELOW: New, striking shark-fin antenna, made by **MTA** Antenne

Full integration

The current range of products by **MTA** Antenne allows for the integration of state-of-the-art communication technologies covering all entertainment, safety and interconnection needs of heavy-duty off-highway machines. The high quality of antennas and cables allow the creation of a reception system able to optimise the sound inside any vehicle by making the most of all its features.

The feature range includes 5G mobile telephony, V2X connectivity, high precision GNSS, Wi-Fi up to 7GHz and Bluetooth



capabilities, alongside analogue, digital and satellite radio services reception. These can be provided by in a multifunctional rooftop antenna, carefully designed to integrate into the looks of any vehicle while ensuring best-in-class performance – or distributed in different locations around the vehicle to be completely hidden in windscreen, windows, bumpers, rearview mirrors or dashboard.

Expert R&D

Relying heavily on its R&D department, **MTA** Antenne provides complete product development, from the mechanical design and electronic and electromagnetic architecture, through

to the validation of the product in the internal laboratory and a dedicated near-field and far-field test facility for in-vehicle validation, right up to the industrialisation and definition of production tooling.

The R&D laboratory, inaugurated in 2005, is the flagship of the company. It employs 20 highly qualified engineers, physicists and specialised technicians dedicated to research and development for all phases of product advancement from design to production, working in synergy with national and foreign universities and research centres.

It is equipped with specialist measurement facilities that have helped to build its strong reputation as a service provider, supporting OEMs and private players in understanding the electromagnetic environment of vehicles.

MTA Group working together

In the future the development of connectivity products will be further boosted by exploiting all the possible synergies between **MTA** Antenne and the rest of the group's competence centres. **MTA** Group will offer even more solutions to its customers in agriculture and construction machinery, where connectivity is the enabler for a wide range of high added-value services. **IVT**



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