

COMPANY PROFILE

OUR EXPERIENCE, YOUR ADVANTAGE



siae microelettronica

| sm^optics

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TECHNOLOGY

SDN

Software Defined Network (SDN) is the future network architectural model that brings the promise of fast integration, end to end vision across technology and network management simplicity. Moreover, SDN enables the running of applications over the entire network for better operations and automation, fast forwarding any transport optimization process.

SIAE MICROELETTRONICA is at the forefront of integrating SDN into microwave solutions and is committed to supporting the development of this model while cooperating with operators to drive SDN to a reality.

MICROWAVE

Complete microwave radio portfolio including split mount, full outdoor and all indoor systems across traditional licensed bands and millimetre wave. supporting MEF, IP/MPLS and SDN protocols.

OPTICS

SM OPTICS, PART OF SIAE MICROELETTRONICA GROUP

Optical fibre penetration is growing in metro/access networks. Innovative Nx100G transport solution to access sites with limited footprint and high flexibility is needed. Micro Nodes are the answer.



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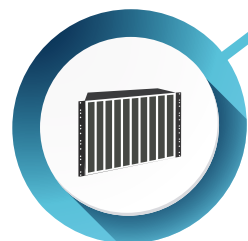
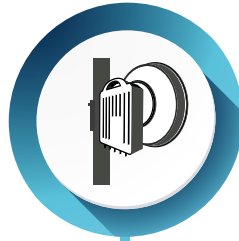
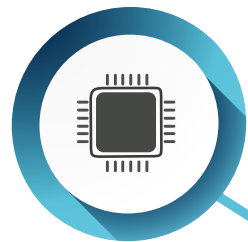
With in-house advanced RF lab and microelectronics capabilities, we design the key components of our microwave radios providing highly integrated systems, ensuring highest quality, extended product life cycle, best-in-class performance power consumption and transmission behaviour, placing our customer needs at the centre of the design process.

MICROELECTRONICS

- Advanced RF design
- GaAsm, GaN and SiGe Integrated Circuit Design
- SIP Technology
- In-House Manufacturing & Prototyping
- Advanced Automated Testing

MICROWAVE TRANSMISSION

- Lowest Power Consumption in the Market
- 1st 4096 QAM full outdoor Systems
- RF Multicore Radios - 2x80/112 MHz Channels
- Millimeter wave E-band at 10 Gbps
- Multiband solution in split and full outdoor
- L2 and L3 IP/MPLS Support
- Native SDN Support



OPTICAL TRANSMISSION

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- Disaggregated Optical Platforms
- Micro ROADM – DWDM OLS
- 100/200G Disaggregated Transponder
- Network Transformation Solution
- Native SDN Support

SERVICE AS A PRODUCT

- Professional Services
- Plan & Design
- Maintenance and Support
- Build, Deploy and Integrate
- Competence Enabling: Training



APPLICATIONS

MOBILE & 5G

Microwave radio maintains a key role in 5G backhauling, complementing operator's fiber footprint and creating a meshed network in the access. With integrated IP/MPLS, microwave systems enable multi path protection, reducing the hardware needed at every site, improving the flexibility of the wireless transport that remains unmatched by other technologies.



With the implementation of more articulated architectures, coverage densification and 5G high capacity delivery at each base-station, SIAE MICROELETTRONICA offers a purpose-built portfolio, with highly integrated networking functions and fibre-like Nx10Gb connectivity capabilities.

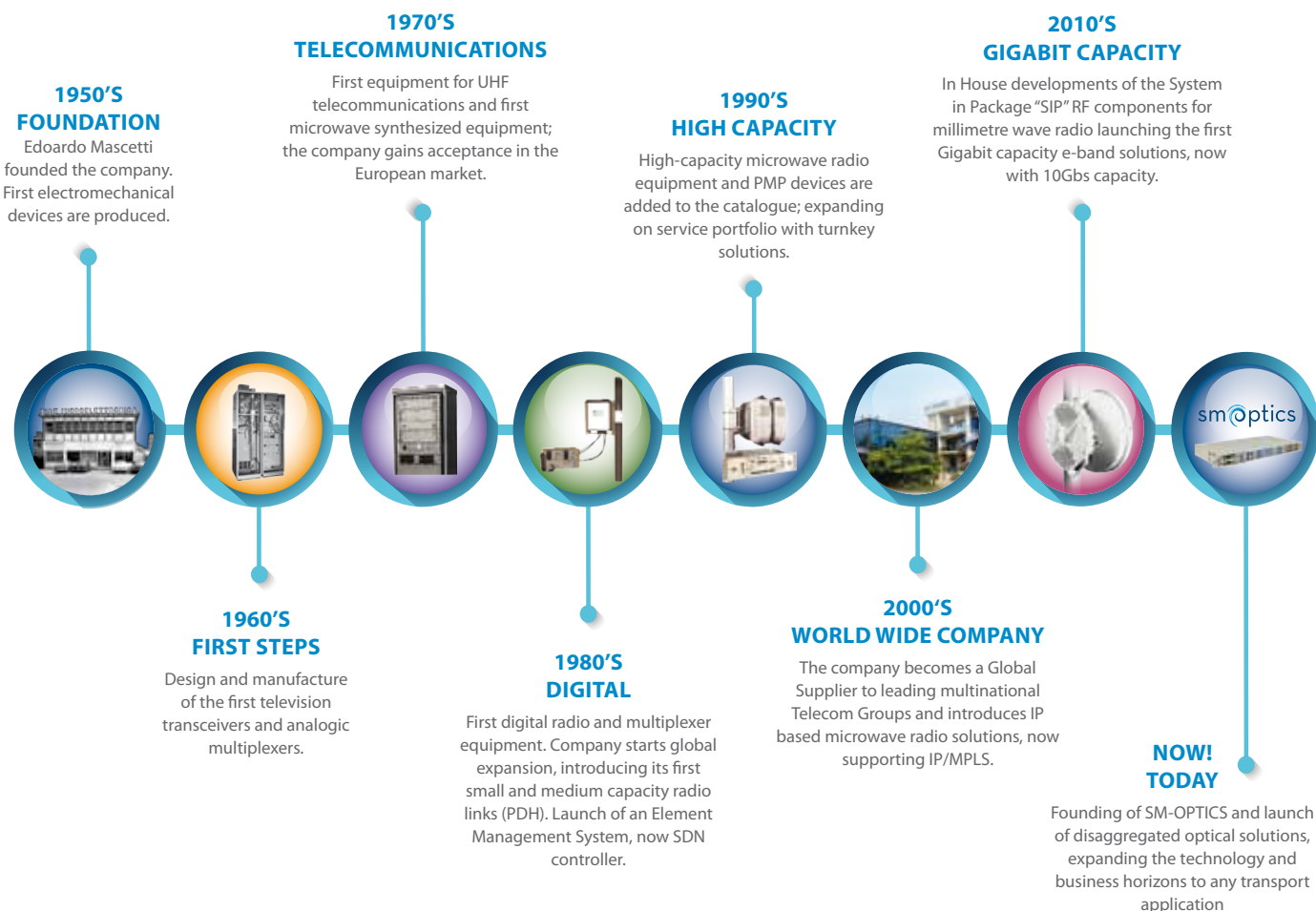


IPS & PRIVATE

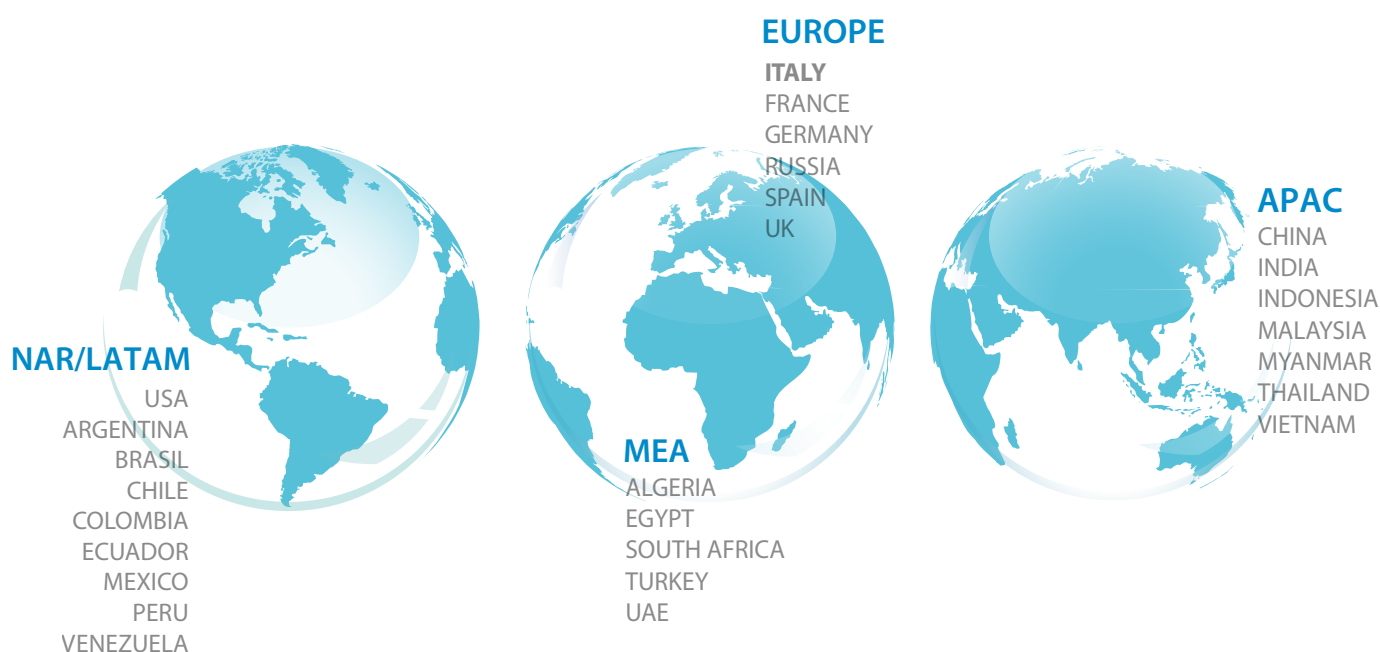
Flexibility, security and fast time to service are key requirements in mission critical networks. Microwave radio offers immediate connectivity, fibre like capacity and encrypted signals for highest security.

Thanks to a complete portfolio of solutions, SIAE MICROELETTRONICA is able to address all the backhauling applications, ranging from long haul, urban deployments, multi-gigabit capacities with carrier class reliability.

OUR HISTORY



PRESENCE IN 27 COUNTRIES CUSTOMERS IN 94 COUNTRIES



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QUALITY SYSTEM
CERTIFIED BY DNV GL
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