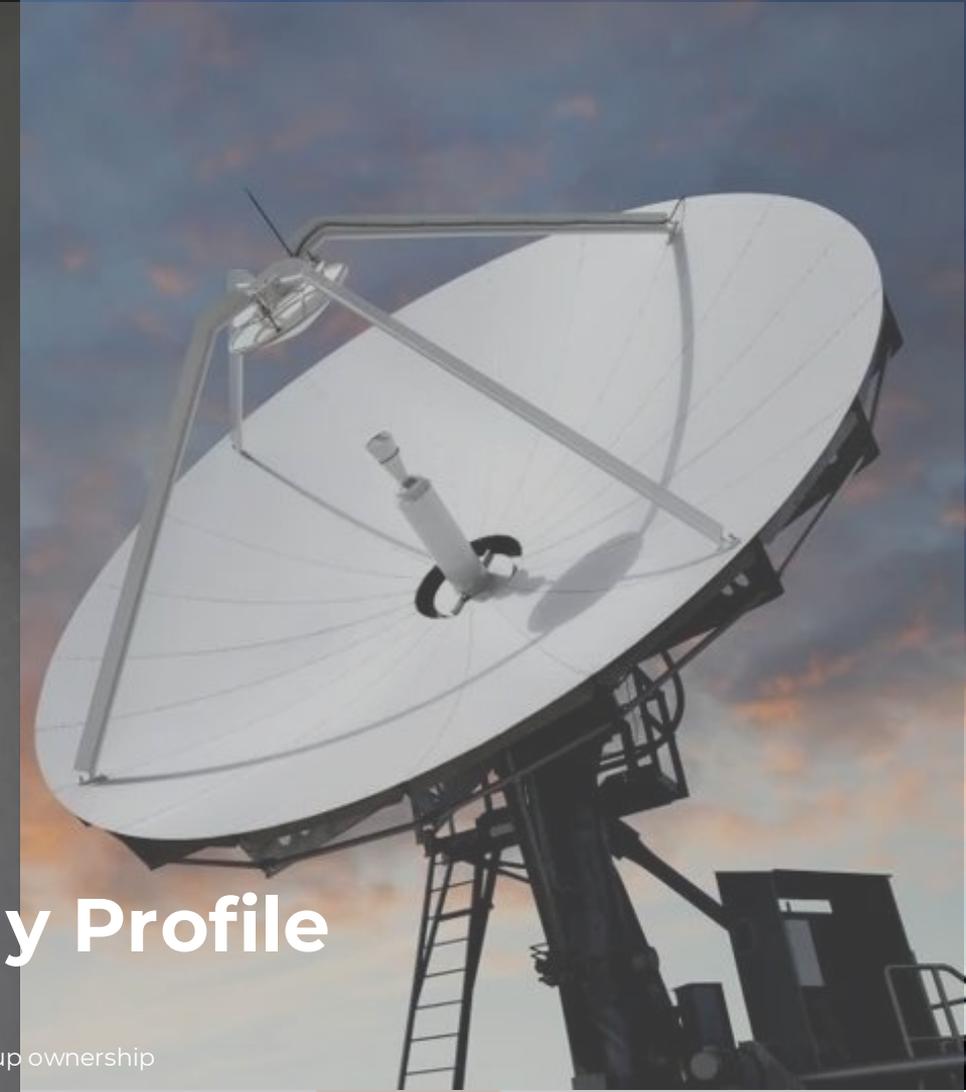
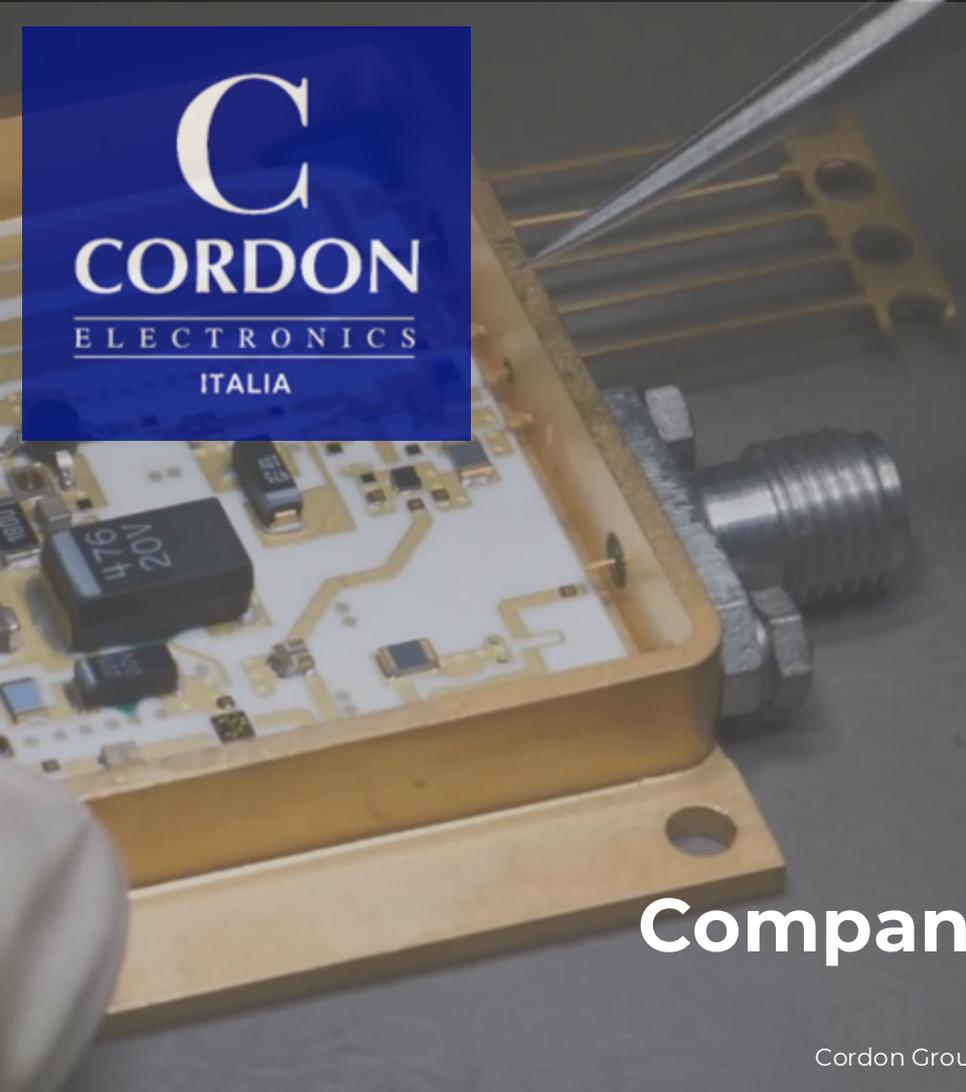




C
CORDON
ELECTRONICS
ITALIA



Company Profile

Cordon Group ownership

 **450 M€**
Turnover
CAGR 11% over 5 years

 **29 millions**
products processed

 **4 000**
employees

 **13**
countries

 **38**
Sites



Electronic Manufacturing Services

Defence Business Unit



3 sites
15 people
2 M€ Turnover



Cordon CMS
(Ribeauvillé)



Cordon Networks
(Meung sur Loire)



Mobiltron
(Vitré)



2 sites
115 people
13 M€ Turnover



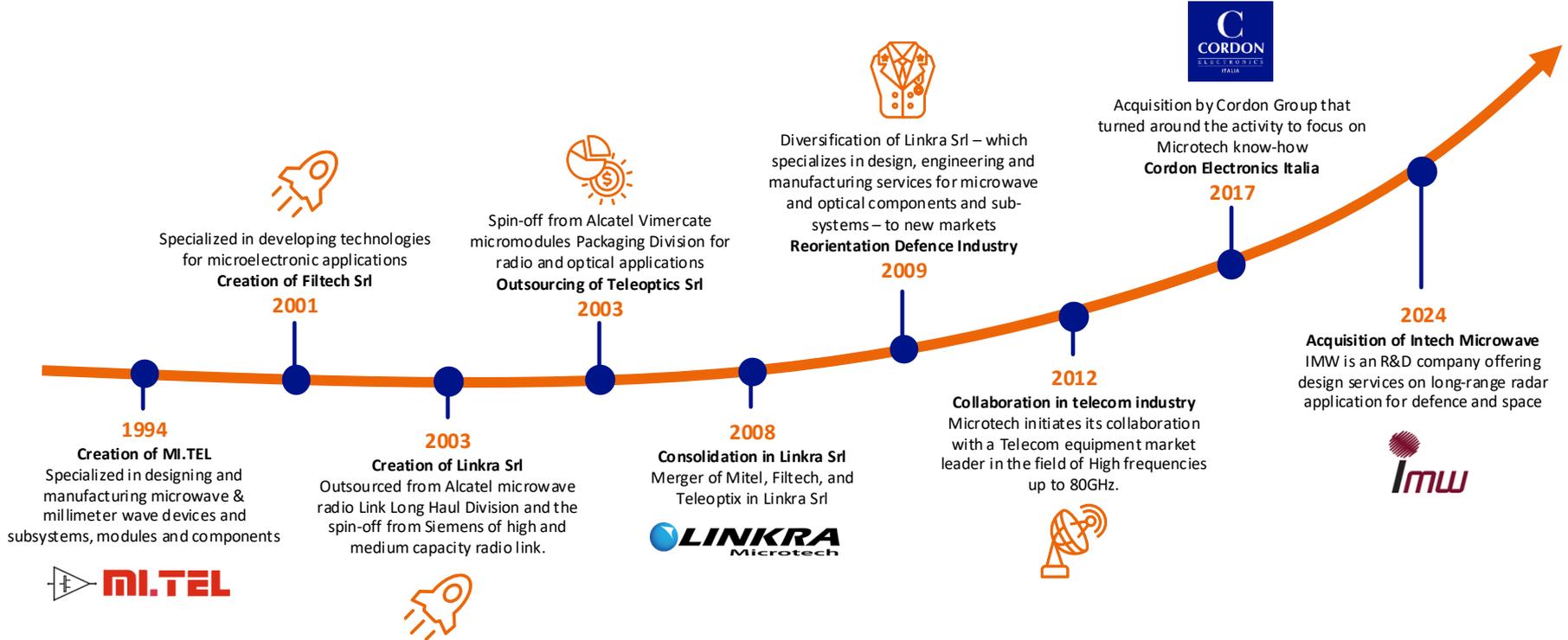
Cordon Electronics Italia
(Agrate Brianza)

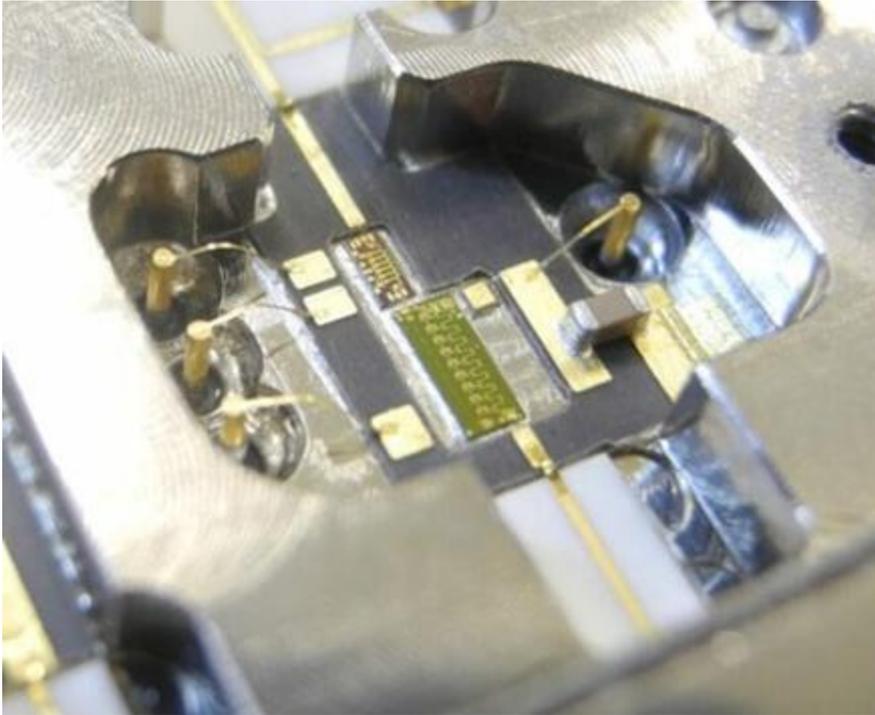


Intech Microwaves
(Roma)

Company's Growth

Main historical milestones of Cordon Electronics Italia





our Mission: **Design to delivery**

Our mission is to take customer design or specifications and make it mesh seamlessly with real world manufacturing processes, moving from working prototype to microwave finished products.

We build top quality custom parts and subassemblies for our customers, guiding their concept from design to delivery.

*By our “**D2D philosophy**”, we help fulfill a fundamental market need for value stream management.*

our Vision: **The Microwave EMS**

*Become the most trusted **microwave microelectronics** partner for design, manufacturing and after sales solutions in high value-added electronics industries.*

SERVICES

Microwave Design

Build-to-spec solutions from customers specification to product qualification

Integration & Test

Microwave chip & wire packaging, integration and test

Contract Manufacturing

Build-to print of low volume – high mix production, from components to subsystem

Supply Chain

Extensive solutions from materials free-issued to full material procurement

After Sales

Long term support, including obsolescence management

DEFENCE

Product example

- EW Counter measure subsystem
- High Power Amplifiers
- Low Noise Amplifiers
- Switch
- TX-RX modules
- Antenna for Airborne applications
- MW Antenna Beam
- Radar Transmitter Units

Air



Ground



Navy



Missiles



INDUSTRIAL

Product example

- MW modules up to 42GHz for Test instruments
- E-Band SIP (80 GHz) TX-RX
- SATCOM Multiplexer

Test instruments



Telecom



Space



A specialist for Military Radar applications

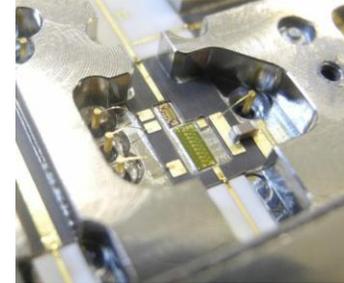
Cordon Electronics Italia has developed core competence in the field of design, development and production of microwave components and modules for the Defence and Aerospace industries.

The company is specialized in the following products

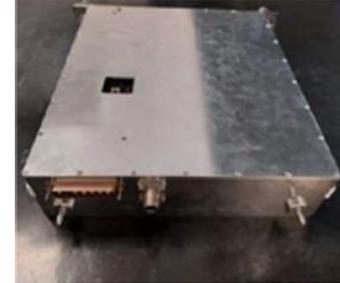
- digital controller, attenuators, amplifiers, limiters, mixers, switches, transceivers, Voltage Controlled Oscillator (VCO), High Power Transmitters (HPA)

Main skills

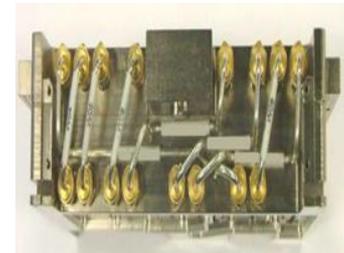
- Linear and Non-Linear MW design capabilities up to 80 GHz (GaAS and GaN based MMICs).
- ITAR free MW modules design compliant to MIL-STD specifications.
 - Development of high performances active and passive MW modules:
 - Amplifiers: Ka Bands, ultra-Low Noise (Noise Figure <1.6 dB), high Linearity, High Power (up to 40 dBm),
 - Oscillators: Ka-band, High spectral purity, wide tuneability bandwidth, Low Phase Noise (<100 dBc/Hz @ 100 KHz),
 - High Power Amplifier (HPA) from L up to X-band (GaN Technology based).
- High integration level from MW module to sub systems: development of complete boards with Micro controller and FPGA design capability



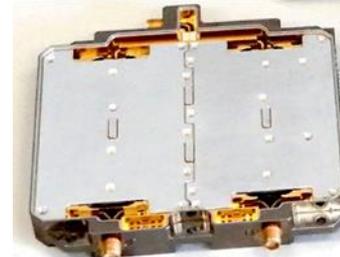
MW Transmitter. Chip&Wire packaging detail



1.3kW C BAND SOLID STATE PULSED HIGH POWER AMPLIFIER



EW Module 1



EW Module 2

Intech Microwaves designs and prototype microwave components, modules and subsystems, with a know-how in microwave and digital electronics with capabilities up to 50GHz and Clean Room facility of 300 sqm.

Active Modules

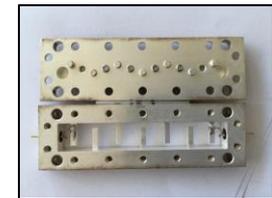
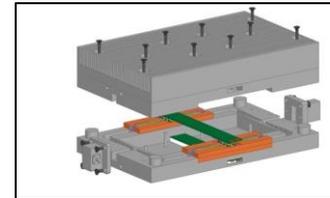
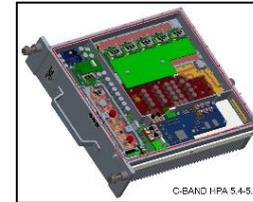
- Low Noise Amplifiers and Receivers
- Power Amplifiers (HPA) and Transmitters
- Microwaves Sources

Passive Components

- Power Dividers and Combiners, in planar, radial and spatial configuration
- High selectivity and low losses mechanical Filters in the cavity or on dielectric substrates
- Dual Mode Filters with non-contiguous resonators
- Directional Couplers and Ortho-Mode Transducers

Digital Components

- High speeds AD / DA Conversion equipment
- Driver Board Electrical-Mechanical Project
- High Speed Interfaces
- Firmware Development
- Special to type Test JIG Passive Components



Industrial Capabilities

Cordon Electronics Italia is a provider of manufacturing services for microwave components and modules either on a build-to-print or build-to-spec approach

The team is expert in:

- Prototyping and Pre-series,
- Components and Modules assembly and testing,
- Packaging service,
- System integration.

TOTAL AREA	4,700 sqm
Clean Room	860 sqm
	10000 class-ISO 7
ESD Area	970 sqm
Logistics	450 sqm



Typical assembly process for microwave modules

ISO 9001:2015



EN 9100:2018





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