CORDON NETWORKS

CORDON
N E T W O R K S

Les
solutions
à vos
besoins
de services en
électronique

CORDON NETWORKS PRESENTATION

CRESITT 2019

The company was created in 1989 by Mr. Serge Cordon (CEO)

■ **Historical activity**:
Industrial repair of electronic products.
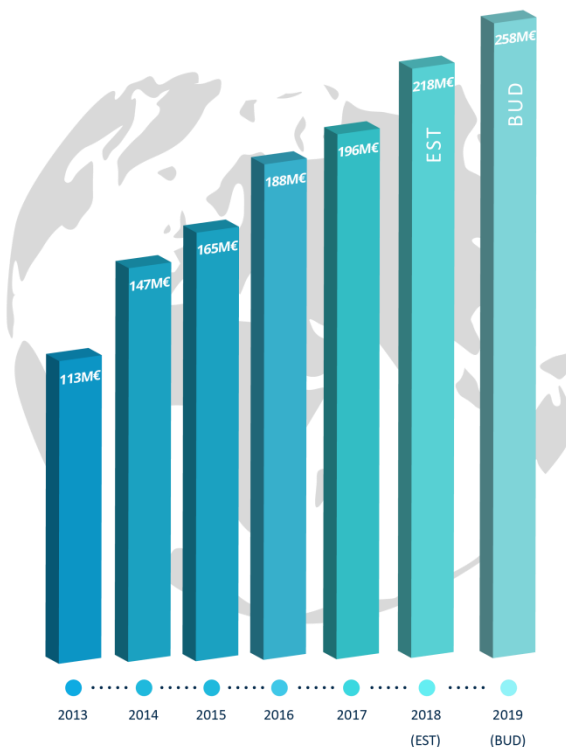Strong orientation in value-added services since 2007.

12 industrial sites in France
8 international subsidiaries

2800 employees

218 M€ estimated turnover for 2018
(Bud 2019 : 258M€)

€

113M€ 2013
147M€ 2014
165M€ 2015
188M€ 2016
196M€ 2017
218M€ EST 2018 (EST)
258M€ BUD 2019 (BUD)

C CORDON
VISION 2020

A more international Group

A more innovating Group

A more technological Group

CHIEF EXECUTIVE OFFICER
S. CORDON

CHIEF FINANCIAL OFFICER
J. de RUGY

CHIEF OPERATIONS OFFICER
S. DUVAL

IT DIRECTOR
T. WARCONSIN

ENGINEERING & QUALITY DIRECTOR
T. LEMARCHAND

COMMUNICATION MANAGER
C. COUBOULIC

TELECOM COMMERCIAL DIRECTOR
E. CORDON

MANAGEMENT CONTROL MANAGER
E. REBILLARD

ACCOUNTING & CASH FLOW MANAGER
F. BRIENS

LEGAL DEPARTMENT MANAGER
L. VERSAVEAUD

TELECOM PRODUCTION MANAGER
J-J. MANCUSI

BUSINESS UNITS

Professional

Business EMS

Production of micro components

Network Board repair

Security & Defence contracts

Networks & Telecommunications, broadcasting & energy

Security & Defence

CPE

Repair and/or refurbish of Gateways & STB

Development & installation of test benches

Decoders & Internet box

Telephony

Repair of mobile phones & DECT

Mobile phones Logistics Platform/DECT

Second Life services

Mobile Apps

Management of shops

Smartphones & Tablets

Residential Telephony

Consumer Products

On-site LCD TV repair

Multimedia & IT

Home appliances
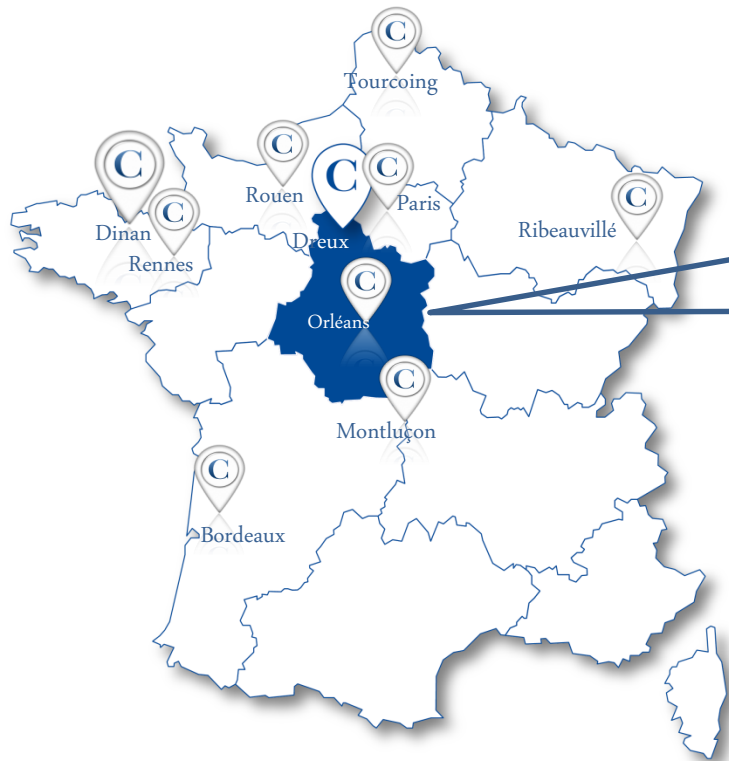
Spare parts management

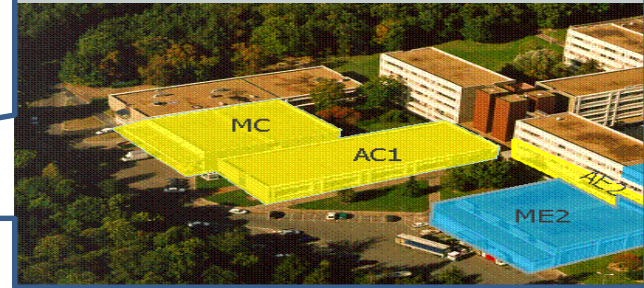Call centre

Home appliances

Multimédia

TV

14,8 million products handled per year

3

Located in Ormes (near Orléans)
3,500 sqm for repair activities:

Our IT system manages all the products flows to ensure they follow the different process.

Located in Ormes, our repair centre is a **key location** in France, at the heart of an important logistic area (several transport companies).

Present in our centre, our logistic partner, Softlog, ensures a **daily shuttle to Charles de Gaulle airport**. They also perform all our logistic activities with customs clearance if needed.
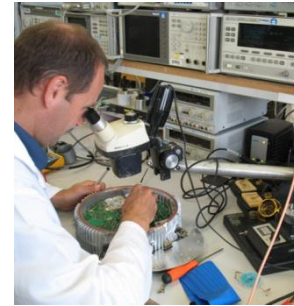
We have the possibility to extend our operational surfaces (square meters available) depending of your needs.

PRODUCTS AND TECHNOLOGIES

Wireless Microwave system

- High Capacity Backbone transport
- PDH, SDH , Hybrid, IP
- Frequency range : 6GHz up to 38GHz
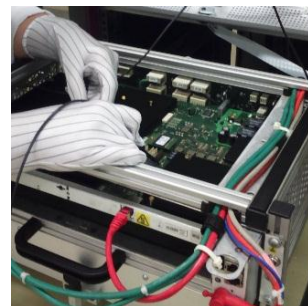- Configurations : 1+0, N+1
- Modulations QPSK, 16QAM à 256QAM

38GHz ODU Repair Station

IDU Final Test

Wireless Technologies

- TRX 2G, 3G and 4G repair capacity.
- RRH screening and repair
- Radio and control boards skills
- Integration and commissioning
- Repair of OEM modules (TRDU, MCPA..)

4G control board

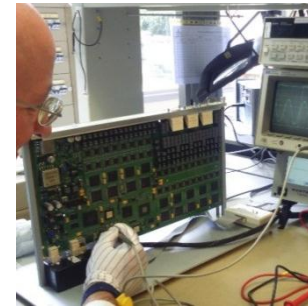**OEM TRDU under repair**

3G control board

PRODUCTS AND TECHNOLOGIES

Wireline Technologies

- All ADSL test
- Pots tester and simulator
- GPON & VDSL trouble shoot
- Tester development

ADSL Functional tester

VDSL trouble shooting

Integration & test

Optical Technologies

OMSN functional tester

10Gbits submarine transponder repair

Optical screening platform

- Manufacturer of submarine equipment
- WDM technology on 10G and 40G (196 wavelengths)
- Repair of all optical technologies (OMSN, Metro, ROADM, WDM…)
- Optical splices
- Integration

PRODUCTS AND TECHNOLOGIES

Wireline Technologies

- **Converters**

- **Power Supply Units**
  Range 25A to 125A

- **UPS**

- **Energy Smart Management**

AMONG OUR PARTNERS

We have the capacity and the skills to integrate different types of equipment (node B, microwave, ADSL, WDM…):

- Realize integration of equipment
- Perform the commissioning
- Test the boards unitary

We can also propose training on these equipment for the technical team in charge of the installation.

SERVICES: Screening

Optics screening solution
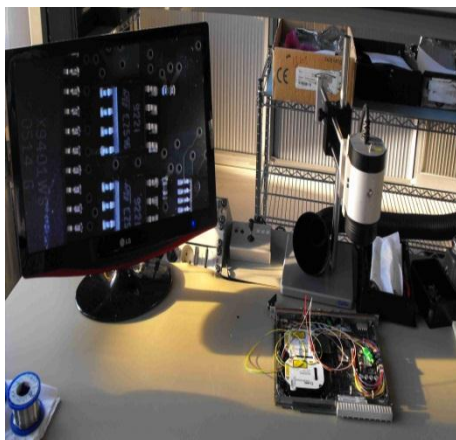

FH screening solution

2G / 3G solution

Our experience:

➢ We have a volume of screening at around 10 000 per year in our facility.

➢ The average NTF (No Trouble Found) rate is 37% (ie = functional boards where repair is not needed)
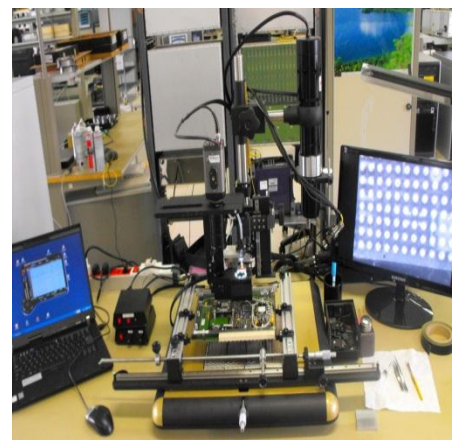
The savings:

➢ Huge reduction of Turn Around Time (TAT) for the NTF part , only few days.

➢ Reduction and optimization of spare stock.

➢ Cost reduction on logistic and custom fees.

➢ Cost reduction on the repair for NTF boards.

SERVICES: Repair capabilities

Thermal camera

- **Diagnostic support by camera to detect failed component by over heating.**

- **Especially used on board with optical fiber wrapping which require dismantle caution**
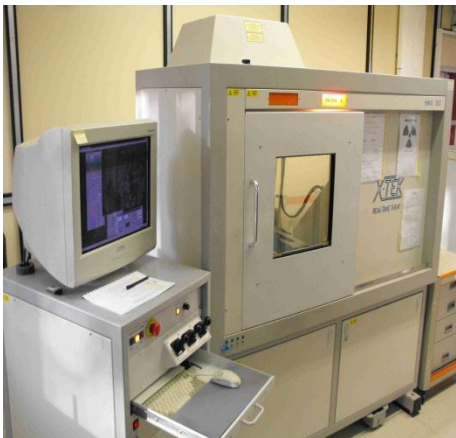

Soldering Station

- Preheating the area by infrared.

- Implementation and pre-emption of components.

- Adjusting table on 3 dimensions.

- Automatic definition of unsoldering profile with remote temperature control.

- BGA & µBGA alignment.

Each year, we repair about **40,000 products (96% of repair on time)** split among three process in tree different areas with the following skills:

➢ "Easy repair " are characterized as a cost optimization. With a good knowledge of the issue and the correction, we realize directly the replacement of the components without diagnosis.

➢ Complex repair require a large panel of accurate tools to detect the faulty and change the components: Thermal camera and soldering station. We have also tools to qualify the repair : climatic chamber and X-Ray machine.

X-Ray Machines

- **Control machine on component soldering quality like BGA.**

- **X & Y axes possible move.**
- **Power : 160 kV.**

Climatic Chamber

- **Several baking machine to perform accelerated aging boards and electronics equipment tests.**

- **Used in qualification phase, upgrade and repair.**

CONTACTS

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FRANCE

Orléans Train station
1h10 from Paris

1h45 from Paris
20 min from Orléans train station

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