

SCP SINTERSA

Together, we connect





CORPORATE STRUCTURE

SCP- SINTERSA designs, manufactures and supplies electrical interconnection components and systems for professional applications in harsh environments.

Our team has more than **35 years of experience** in the **aerospace, defence, naval, railways & industrial** markets.

SCP Sintorsa joins Italian company **ALA** becoming one of the **largest European providers of high performance systems of electrical interconnection**.

SCP-SINTERSA offers **customized solutions** to fulfill electric interconnections needs in:

- **COMPONENTS:** distribution and manufacturing of connectors, fiber optic solutions, custom cables, heat-shrinkable elements, crimping tools and accessories.
- **PRODUCTION:** design and manufacture of wire-harnesses and electric assemblies, control units, communication racks, and test benches.
- **ON-SITE ASSEMBLY:** aeronautic installation and integration in defence vehicles and aircraft.





BRANCHES & PROJECTS SCP SINTERSA

LOCATION & ACTIVITIES

MADRID

- Distribution & Warehouse I
- Purchasing & Sales.
- Engineering & Project Management
- Quality Control
- Connector Assembly
- Harnesses Manufacturing:
 - Mil-Aero, Railway, Industrial
- Aeronautical production: 1000 m²
- Defence production: 500 m²
- Railway production: 500 m²
- Main warehouses: 1500 m²
- Headquarters: 500 m²

TOTAL: 4500 m²



LOCATION & ACTIVITIES

SEVILLE

- Production & Warehouse II
- Engineering & Project Management
- Quality Control
- Assembly: San Pablo, Tablada
- Services: Tooling tests
- Defence and aeronautical production: 1500 m²
- Warehouse: 300 m²
- Offices: 200 m²

TOTAL: 2000 m²

BARCELONA

- Sales Office

PORTUGAL

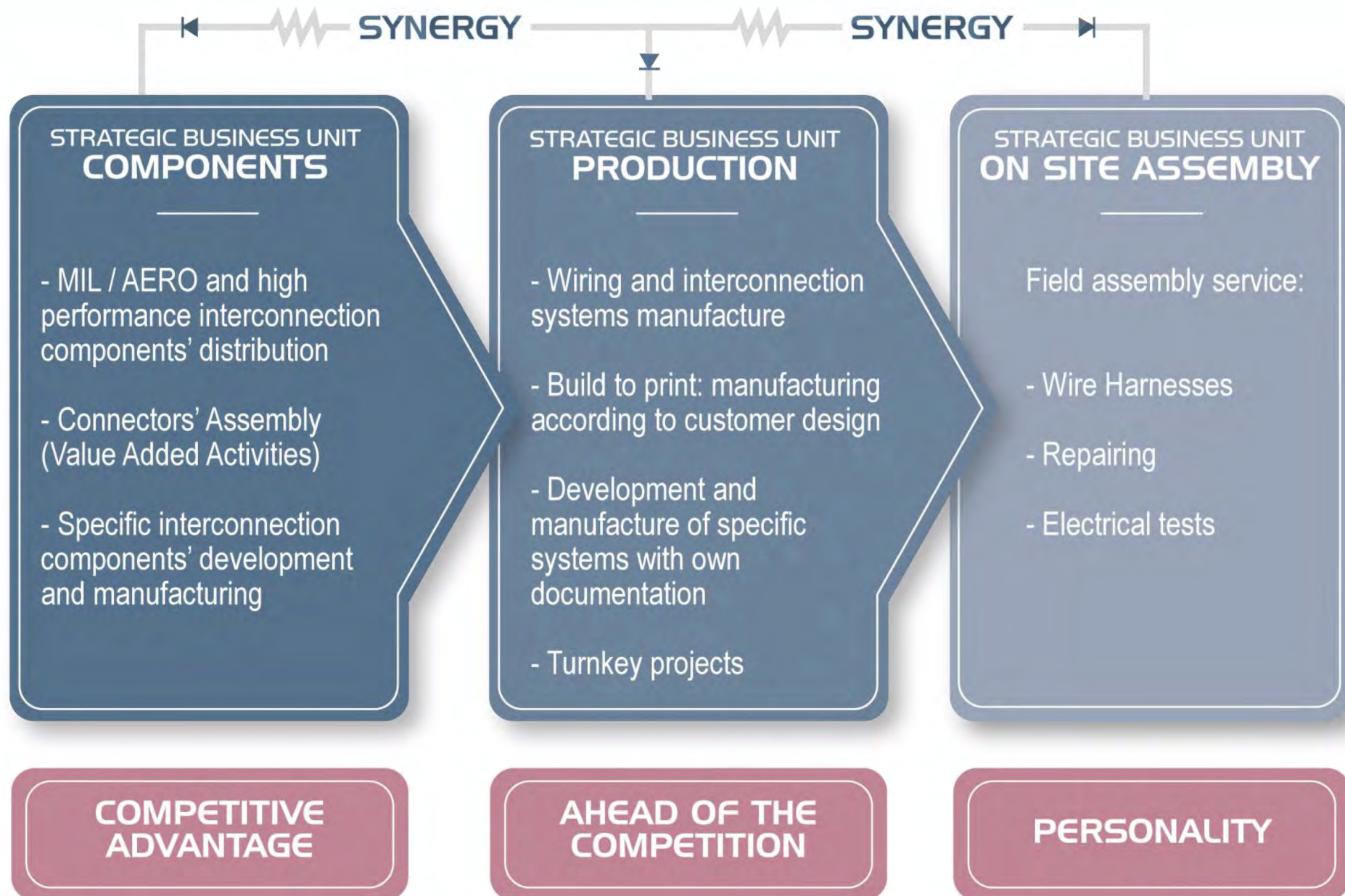
- Subsidiary (Sintersa Portugal)



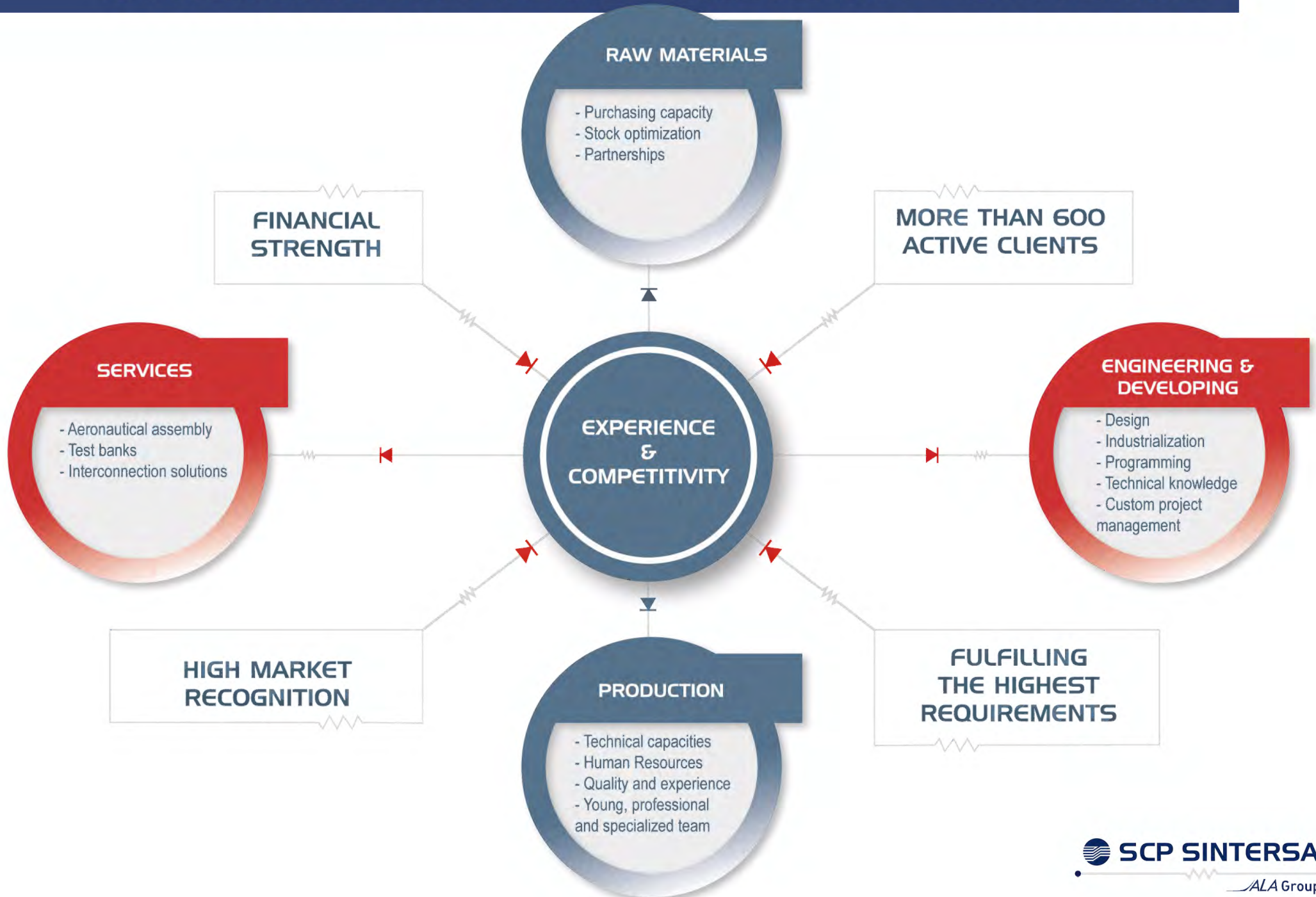


STRATEGIC BUSINESS UNITS

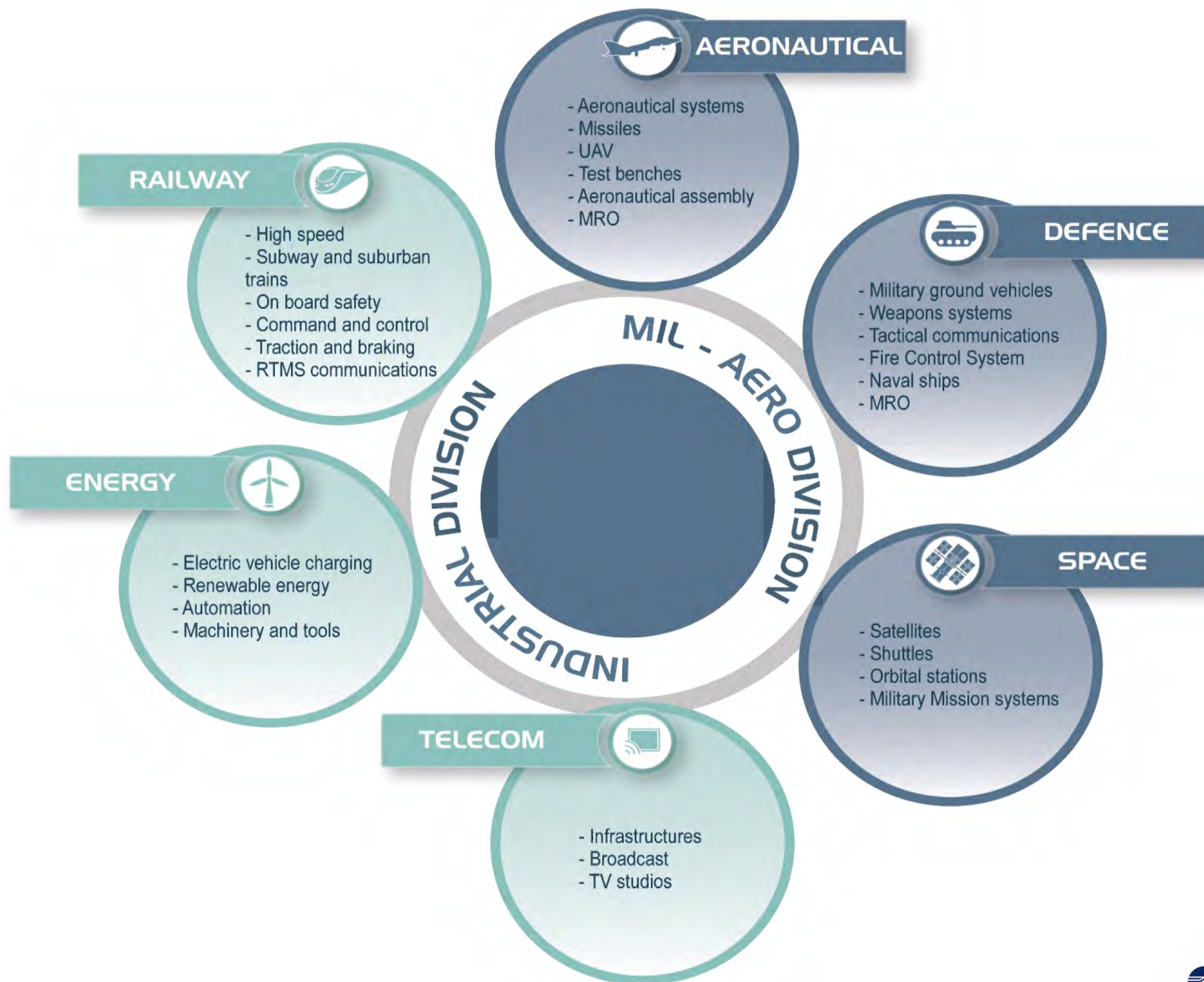
STRATEGIC BUSINESS UNITS



SYNERGIES AND ADDED VALUE SCP - SINTERSA



MARKETS





COMPONENTS CONNECTORS' ASSEMBLY

EXPRESS DELIVERY SERVICE



MIL-C-5015

Threaded – SCP/MS
Bayonet – SCPB — VG95234



SCPT

MIL-C-26482

SCPT – VG95328



SCP TV

MIL-DTL-38999

Connectors SCPTV



QPL
APPROVED

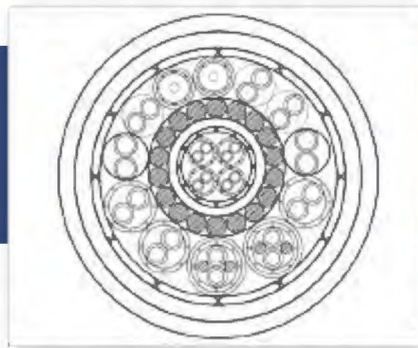


CIR

ITT VEAM CIR

MIL-C-5015 – Bayonet
VG95234





COMPONENTS

PRODUCTS FOR DISTRIBUTION



More than 35 years of experience guarantee **SCP SINTERSA** as one of the manufacturers and distributors of components with high reliability in the market.

The know-how of our professionals provides **value added** to each of the products we manufacture and / or distribute, always seeking the best option for our customers.



Among our solutions you can find:

- Connectors
- Special cables
- Wiring special tools
- Heat Shrinkable Material
- Command and control elements
- Cables' Identification
- Connectors' Accessories
- Harness' Accessories



COMPONENTS

PARTNERS – PURCHASING CAPACITY

The long term relationship built with our partners makes **SCP-SINTERSA** a benchmark in the market, offering our customers the highest levels of quality and reliability.

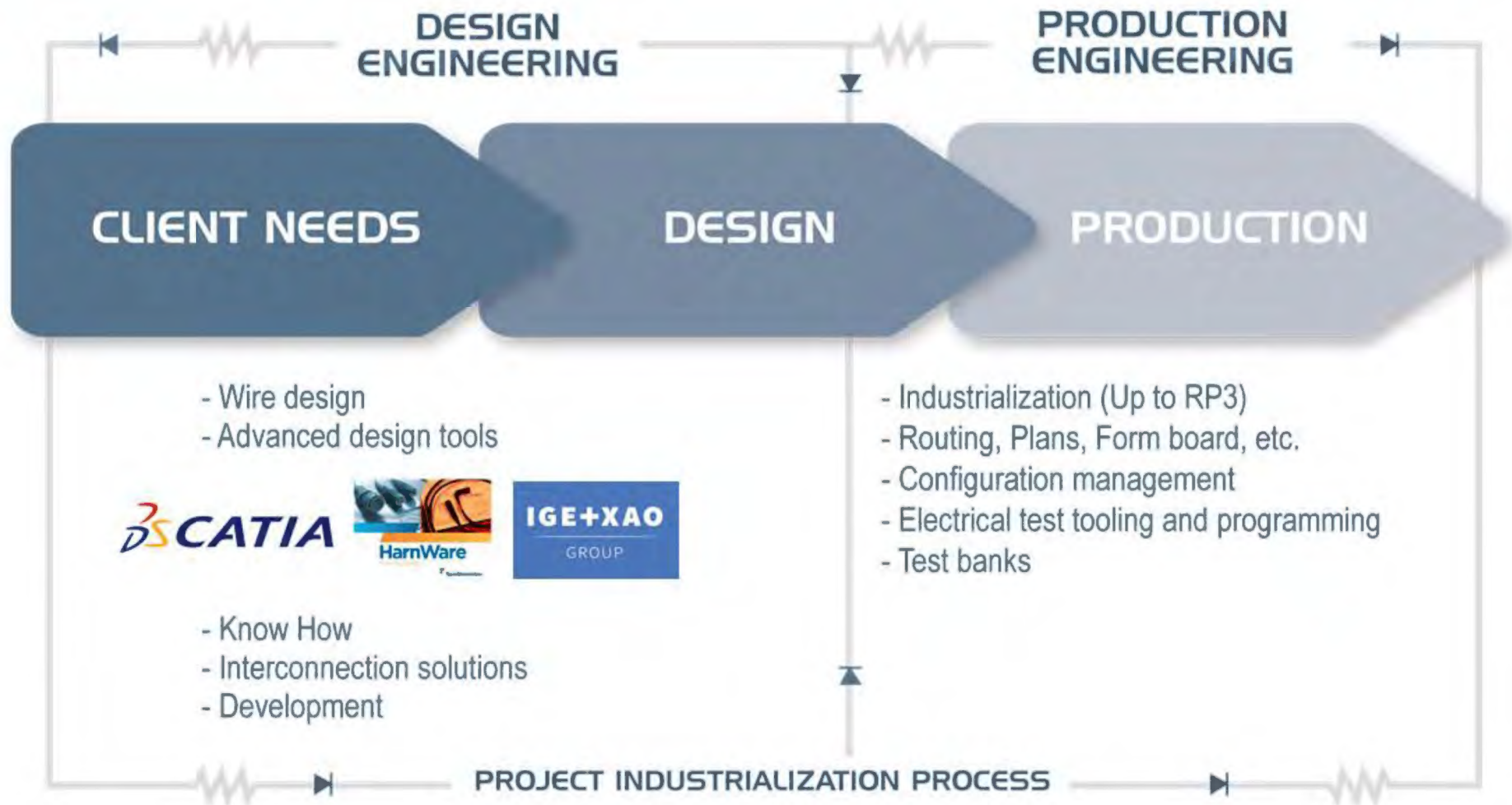
- The synergy generated by summing the manufacturing and distribution purchasing volumes enhances our negotiation capacities on prices and payments terms.
- Purchasing planning according to market and customers' needs.
- Distribution contracts with major component manufacturers.
- ADS' procurement certification.





STRATEGIC BUSINESS UNIT PRODUCTION

PRODUCTION - ENGINEERING



MANUFACTURE & INTEGRATION

WIRE HARNESS DESIGN & MANUFACTURE



- Highly skilled team guarantees the efficiency of each process and the quality of each of our products.
- Skill matrix.
- Audited services.
- Quality control.
- Preventive and corrective actions.
- Continuous improvement.
- Lean Manufacturing.
- **Assembly and manufacturing capacity:** >250,000 h. / year.

CERTIFICATE OF SPECIAL AERONAUTICAL PROCEDURES:

- Cut and strip
- Crimping
- Soldering
- Over-brading
- Laser marking
- B1 sealants

QUALIFICATION OF STAFF:

- Aircraft assembly: EASA PART145
- IPC - A - 610
- IPC / WHMA - A - 620.



TECHNICAL CAPACITY MACHINES & TOOLS

- Automatic cut and strip
- Aeronautical and defence crimping
- Signal, power and special contacts processing
- Coax precision stripping
- Fiber Optical assembly
- Certified tool repair and calibration center
 - DMC Approved Suppliers (Category 1)
- Wide range of cable identification technologies

ELECTRICAL TEST SERVICES

- 9 Automatic electrical testers - WEETECH
- Audio Generator – PROMAX
- Metallographic equipment - KOMAX
- Oscilloscope - PROMAX
- Megohmmeter - MMG500
- Milliohmmeter - METRAHIT 27i, GOSSEN METRAWATT
- Digital multimeters - FLUKE
- Crimp retention force gauge- DMC
- Precision counting machines - BAXTRAN, SARTORIUS, KERN
- Verification & calibration tools - DMC

TECHNICAL CAPACITY

CERTIFIED TECHNOLOGIES

LASER MARKING

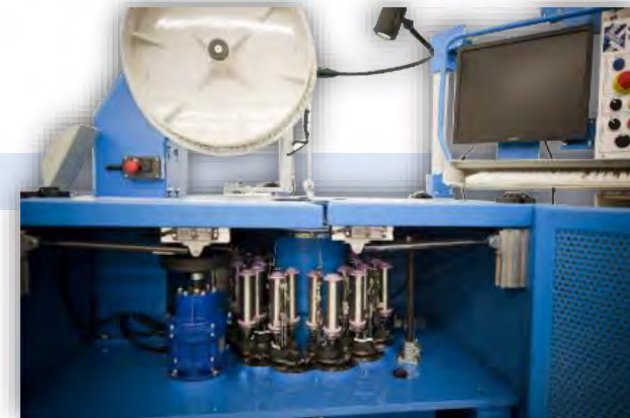
- No modification of mechanical or electrical characteristics of the cable
- Non-abrasive
- Indelible



LASER MARKING

OVERBRAIDING & WRAPPING

- 24, 32 and 48 coils depending on diameter
- Protect low power signals from interference
- EMI-RFI protection



OVERBRAIDING

ELECTRICAL TEST

- Continuity and insulation test
- Programming and test protocols
- Quality guarantee
- Antena cable analyzer



ELECTRICAL TEST

MANUFACTURE & INTEGRATION

WIRE HARNESS DESIGN & MANUFACTURE

AERONAUTICAL HARNESS

- Airbus Defence & Space's certified quality delegation.
 - Electric stapler certified team.
 - Aerospace **Soldering** Certification.
 - **Laser marking** of electrical wires.
 - Aerospace **Overbraiding**.
 - **Aeronautical stations**.
 - **Electrical continuity** and insulation test of 100% of our products.
 - **Internal metrological** confirmation system.
 - Repair and calibration DMC (Daniels Manufacturing Corp.)
- crimping tools.**
- Certified to develop **manufacturing** routes.

QUALITY GUARANTEED

- Certified by Airbus Defence & Space, for **electrical manufacturing**.
- Aeronautical Requirements are implemented on all organizational levels, consolidated and audited monthly.
- First article inspection process.

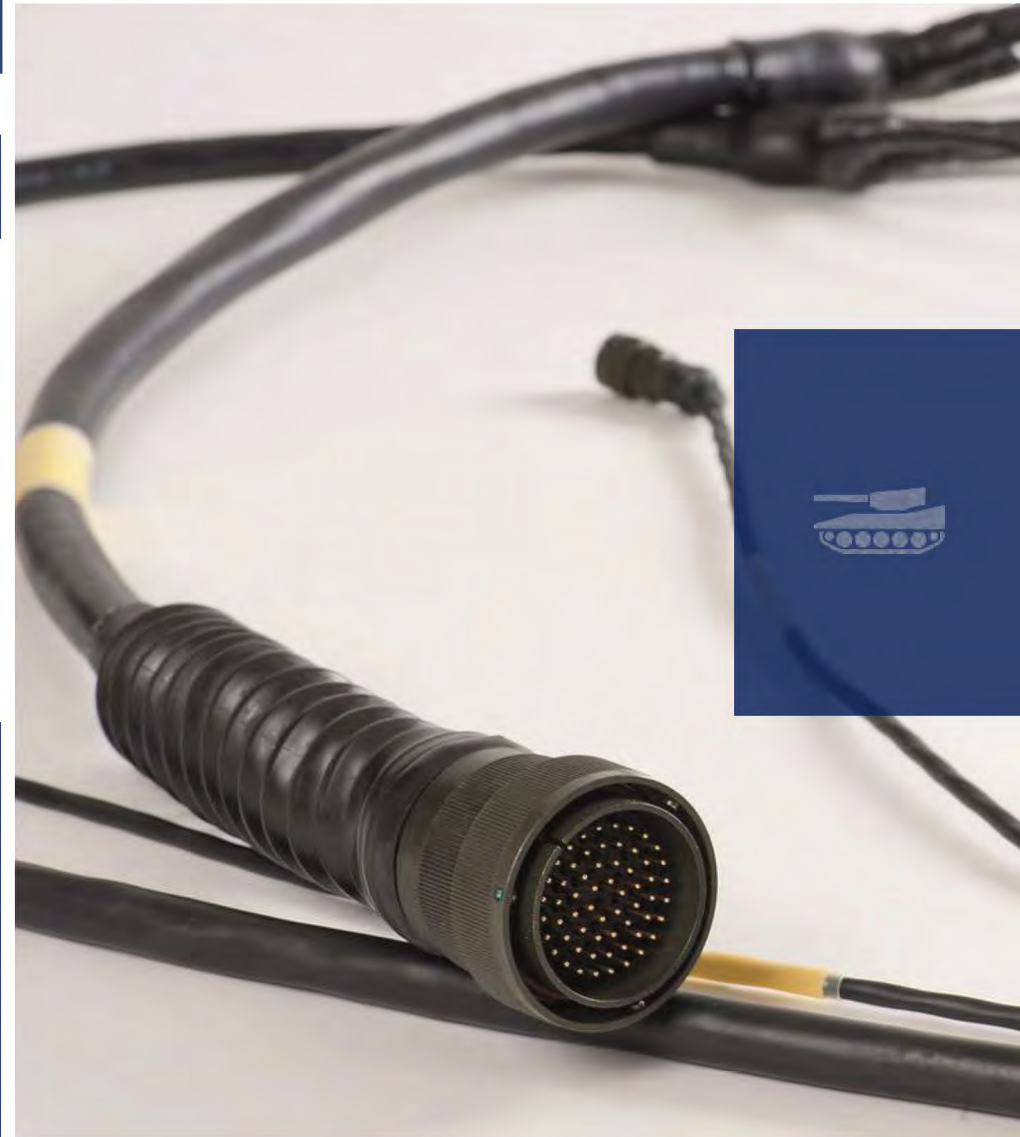
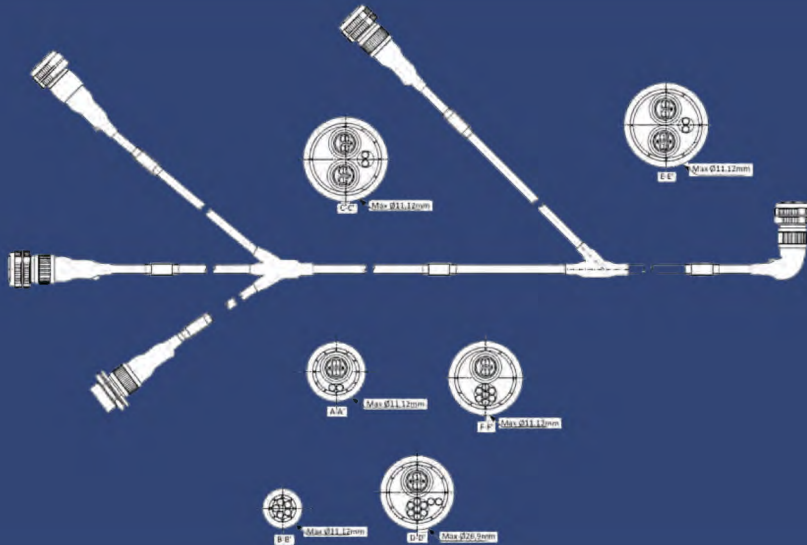


MANUFACTURE & INTEGRATION

WIRE HARNESS DESIGN & MANUFACTURE

DEFENCE

- Maximum flexibility thanks to layered wire drawing methods.
- Adverse condition harnesses.
- Weatherproofing and temperature resistance ranging from -55°C to 150°C / 200°C .
- Resistant to hydraulic fluids and hydrocarbons.
- Tactical field-wiring deployment systems.
- Satellite Communications Racks.
- Electrical distribution boxes.



MANUFACTURE & INTEGRATION

WIRE HARNESS DESIGN & MANUFACTURE

INDUSTRIAL & RAILWAY WIRE HARNESS

- Special wiring for industrial applications
- Coaxial communication wiring.
- Assembly of coax, triax and quadrx cables.
- Power cable harnesses.
- EMI / RFI shielding cable.
- Electrical boxes and watertight decks.
- Rugged fibre optic solution.
- Vibration-proof cable wiring.
- UIC approved material.
- Zero-Halogen, low smoke self-extinguishing wire harness.
- Crimp terminals and power contacts.
- Multiple railway manufacturer's certifications.
- Electric control, and power harnesses.
- Master traction / brake controllers.
- Communication wires for signalling and rail safety.



MANUFACTURE & INTEGRATION

RACKS AND BOXES

AERO

- Relay box – AIRBUS 319
- Central Unit – A-330 MRTT
- Distribution box EFI Agusta Bell 212
- Test Benches
 - Test rack avionic MRTT
 - Test avionic System C295

DEFENCE

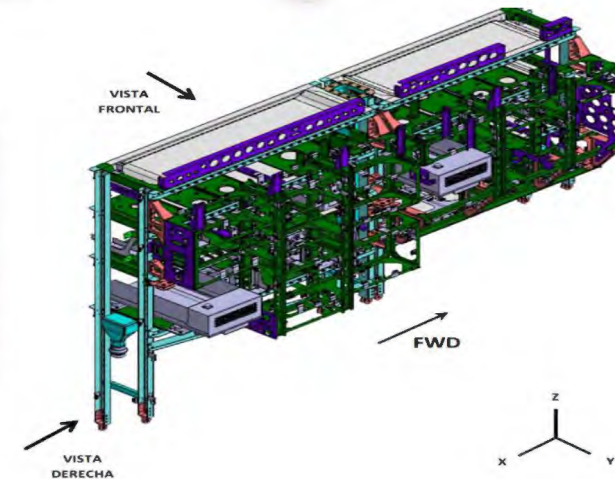
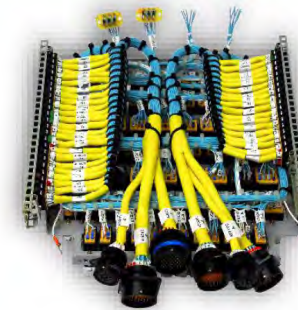
- Communication racks
- Distribution box SIAC 155/52

INDUSTRIAL

- Distribution systems

RAILWAY

- Master controller





STRATEGIC BUSINESS UNIT ON BOARD ASSEMBLY

AERONAUTICAL ASSEMBLY

A400 M - A330 MRTT - C101 – AB212

- Electrical assembly.
- Automated wire harness testing.
- Manual pin to pin testing.
- Mechanical and electrical repair work.
- Decommissioning of obsolete panels.
- Installation of updated panels.

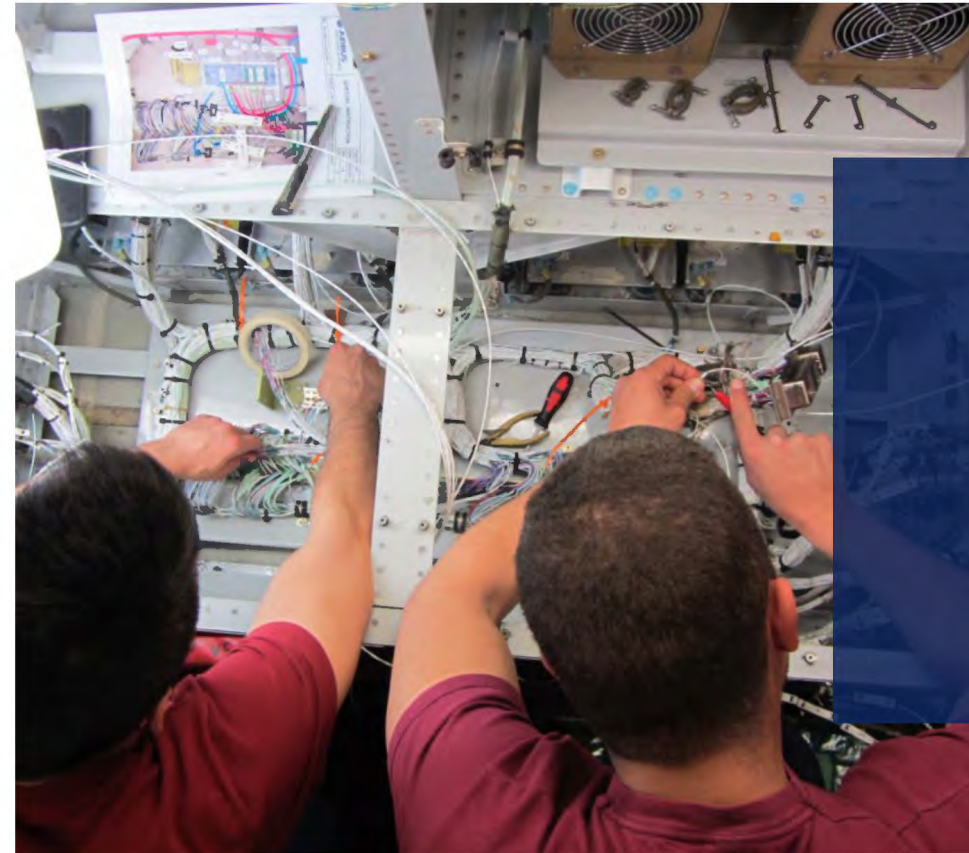
DEFENCE ASSEMBLY

DEFENCE VEHICLES, S-80 SUBMARINE

- Mechanical design and assembly.
- Equipment redistribution.
- Wiring design and installation.
- Manual pin to pin testing.

CAPABILITY

- 60 field operators.
- Assembly and manufacture capacity: 108.000 h. / year.





CERTIFICATIONS

QUALITY GUARANTEE

QUALITY MANAGEMENT SYSTEM

- UNE EN ISO9001:2015
- EN9100:2018
- PECAL-AQAP2110, 4th Ed.

DEFENCE CERTIFICATIONS

- DGAM SINTERSA REGISTRATION
- NATO CODE 1199B
- NATO_Napma End-user Certificate and Declaration recipient

AIRBUS DEFENCE & SPACE SPECIAL PROCEDURES CERTIFICATE:

- Cut and strip
- Crimping
- Soldering
- Overbrading
- B1 sealants

EASA PART145 CERTIFICATION:

- Staff duly certified for Aeronautical assembly.
- IPC - A – 610
- IPC/WHMA – A – 620.

- BOEING certified supplier



VIDEO

MIL-AERO



INDUSTRIAL - RAILWAY





SCP SINTERSA

ALA Group

www.sintersa.es

