

Amphenol Air LB

COMPANY PRESENTATION - 2025 -



Projet de Nouvelle Usine cofinancé par l'Union européenne. L'Europe s'engage en Champagne-Ardenne avec le Fonds européen de développement régional



Your Satisfaction, Everyday, Everywhere



Overview

Amphenol Air LB is a part of the global Amphenol Corporation group specialized in Interconnect solutions for Aeronautics, Defense, Rail and Mass Transit, Medical, Automotive, Telecom, Oil & Gas, Energy...



Headquartered in Connecticut, USA, Amphenol Corporation is the 2nd largest connector company in the world, and designs, manufactures and markets standard and custom designed connectors and interconnects for over 90 years.

- Net sales 2024: 15.2 B\$
- 125 000 employees worldwide
- More than 300 facilities in over 40 countries in: North America, Asia, Europe, Japan, India and Australia

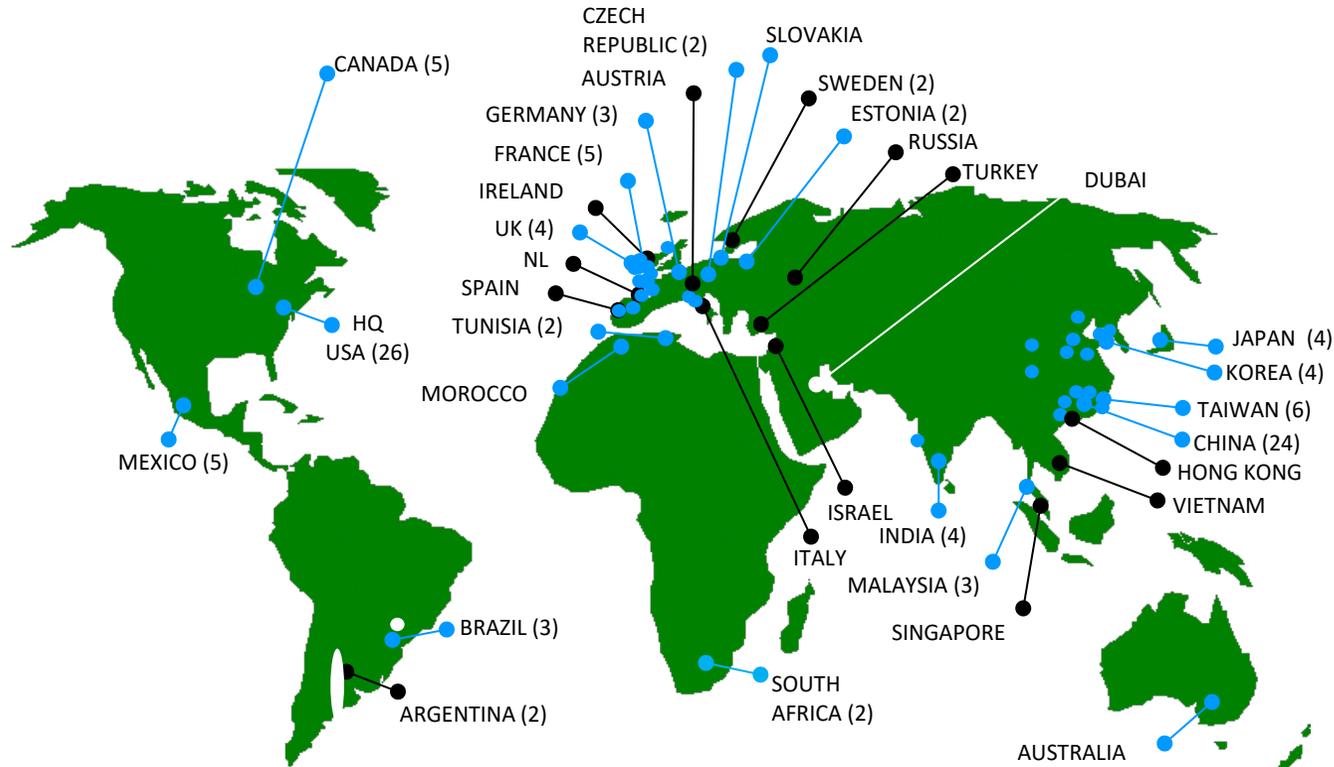
Amphenol thinks globally but acts locally when it comes to customer support.

Amphenol Air LB

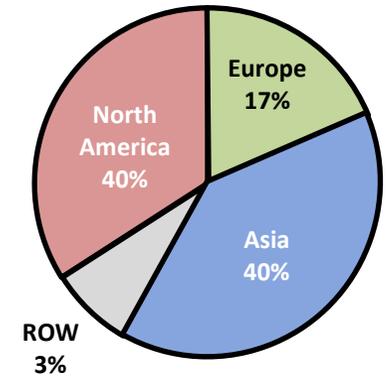
% Sales by market



Strong global presence



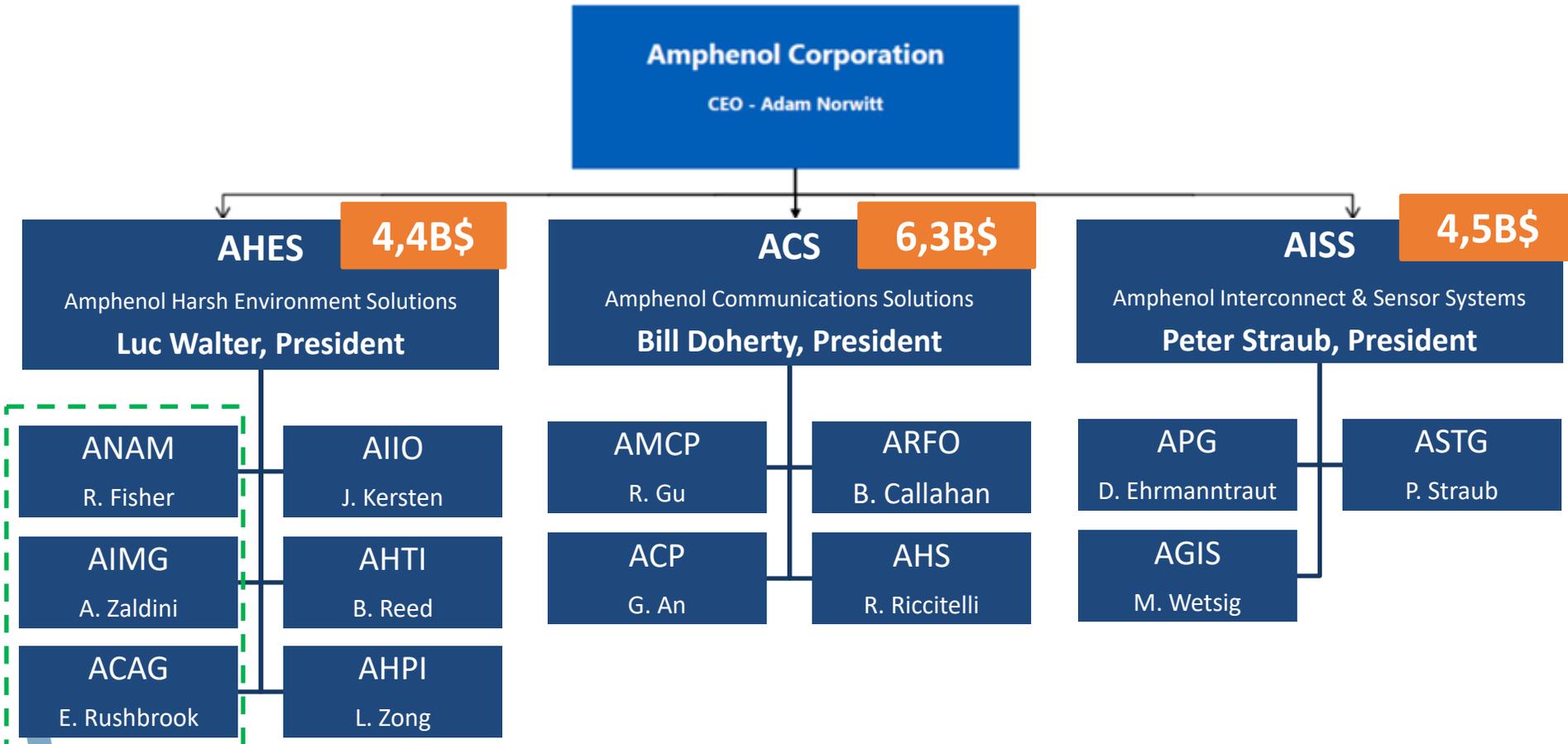
% Sales by Region



- Operations
- Sales Locations

125 000 Employees
80% in Low Cost Areas

Amphenol operating groups



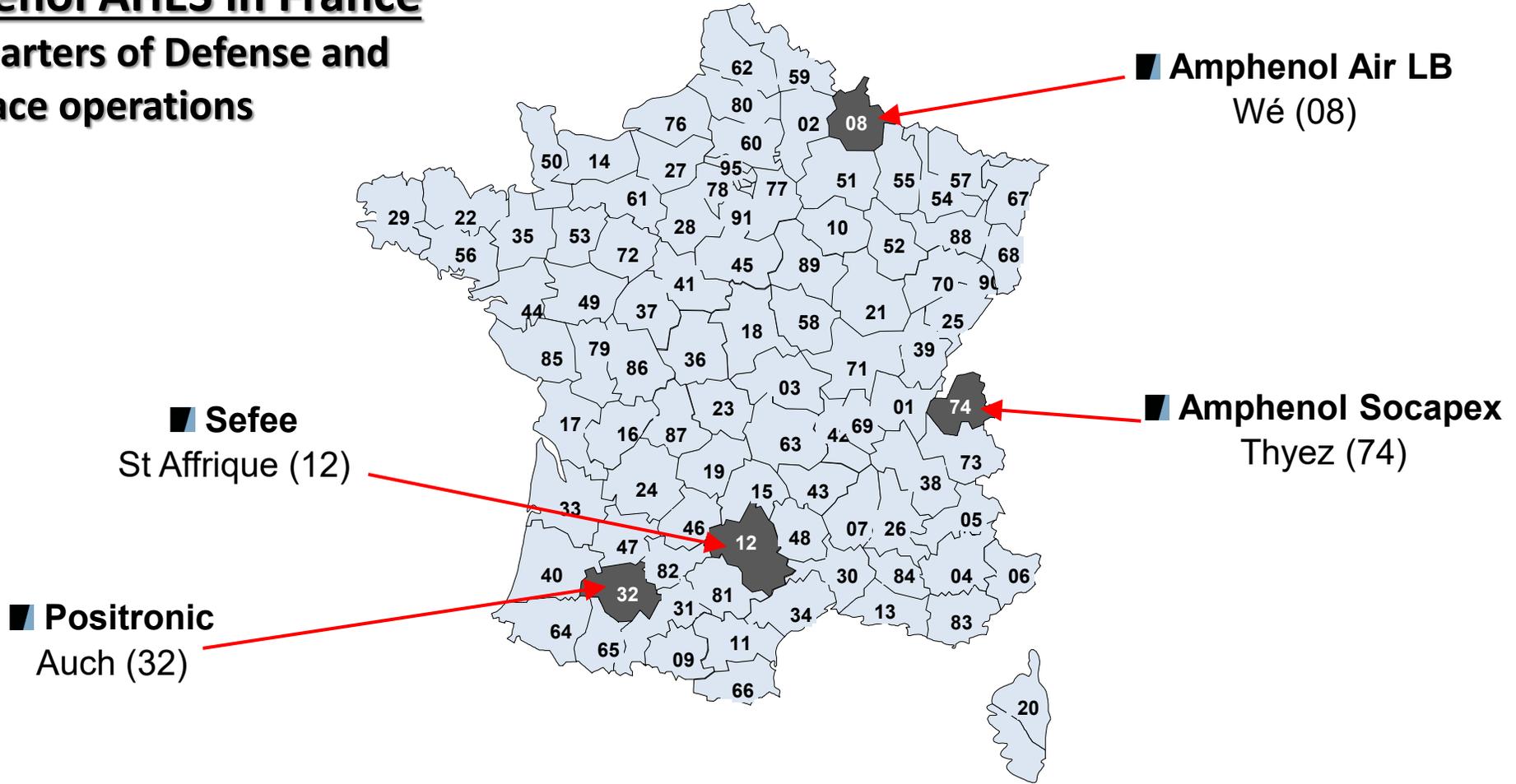
Amphenol AHES

Defense and Aerospace operations within the AHES group

North America		Europe		Asia & Middle East	
Amphenol Aerospace Operations	US, Sidney (NY)	Amphenol Air LB	France, Wé	Amphenol Interconnect India	India, Pune & Bangalore
Amphenol Air LB NA	Canada, Montreal (QC)	Amphenol Air LB GMBH	Germany, Saarlouis	Amphenol Japan	Japan, Tokyo/Ritto
Amphenol Printed Circuits	US, Nashua (NH)	Amphenol Invotec	UK, Tamworth	Amphenol Socapex, AIMS & Sefee	India, Bangalore
Amphenol Borisch Technologies	US, Grand Rapids (MI) US, Mesa (AZ) Canada, London (ON)	Amphenol ("Rest of Europe")	Italia, Milano	Amphenol Times Microwaves	China, Shanghai
Amphenol Canada Corp.	Canada, Toronto (ON)	Amphenol Socapex	France, Theyez	Amphenol Bar-Tec	Israel, Kfar-Saba
Amphenol Fiber Systems Int.	US, Allen (TX)	Amphenol Limited	UK, Whitstable	Amphenol PCD	China, Shenzhen
Amphenol Optimize	US, Nogales (AZ)	Amphenol Martec	UK, Whitstable	Amphenol Positronic	Singapour India, Pune
Amphenol PCD	US, Beverly (MA)	Amphenol Ionix Systems	UK, Warrington	Amphenol CIT	China, Dongguan
Amphenol Nexus	US, Stamford (CT)	Amphenol Sefee	France, St Affrique		
Amphenol SV Microwaves	US, W. Palm Beach (FL)	Amphenol Cablescon	UK, Brough	Afrique	
Amphenol Times Microwave	US, Wallingford (CT) US, Mesa (AZ) US, West Palm Beach (FL)	Amphenol Positronic	France, Auch	Amphenol Air LB	Tunisie
Amphenol Positronic	US, Springfield (MI)	Amphenol AAOP	Germany, Berlin		
Amphenol XMA	US, Manchester (NH)				
Amphenol Q Microwave	US, El Cajon (CA)				
Amphenol CIT	US, St Augustine (FL) US, Franklin (WI) Mexico, Nogales (MI)				

Amphenol AHES in France

Headquarters of Defense and Aerospace operations



Amphenol Air LB
Wé (08)

Sefee
St Affrique (12)

Amphenol Socapex
Thyez (74)

Positronic
Auch (32)



At a glance:

- Creation: January 1st, 2020
- Group general manager: Eric Rushbrook
- Revenue 2024: \$1.010 million
- Employees: ~5910 people around the world

Amphenol Commercial Air Group – ACAG:

Part of AHES, dedicated to Aerospace market

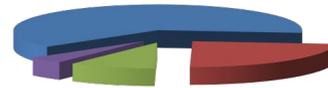
- Amphenol Air LB France S.A.S => **AALBF**
- Amphenol Commercial Air Division => **ACAD**
- Amphenol PCD => **APCD**
- Amphenol Canada Corp. => **ACC-MA**
- Positronic Industries, Inc. => **POSI**
- Amphenol Sefee
- Amphenol Ionix Systems Ltd => **AIX**
- Amphenol Nexus Technology => **ANEX**
- Amphenol Cable & Interconnect Technologies => **ACIT**

Amphenol Air LB France

Revenue 2024: **82,5** millions €

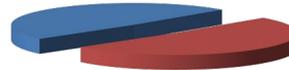
2024 SALES BY MARKET SEGMENTS:

■ Commercial Aeronautic:	43,6 %
■ Defense:	19,1 %
■ Interco:	30,4 %
■ Industrial:	7,0 %



2024 SALES BY REGIONS:

■ France:	32,9 %
■ Export:	67,1 %



QUALITY CERTIFICATIONS :

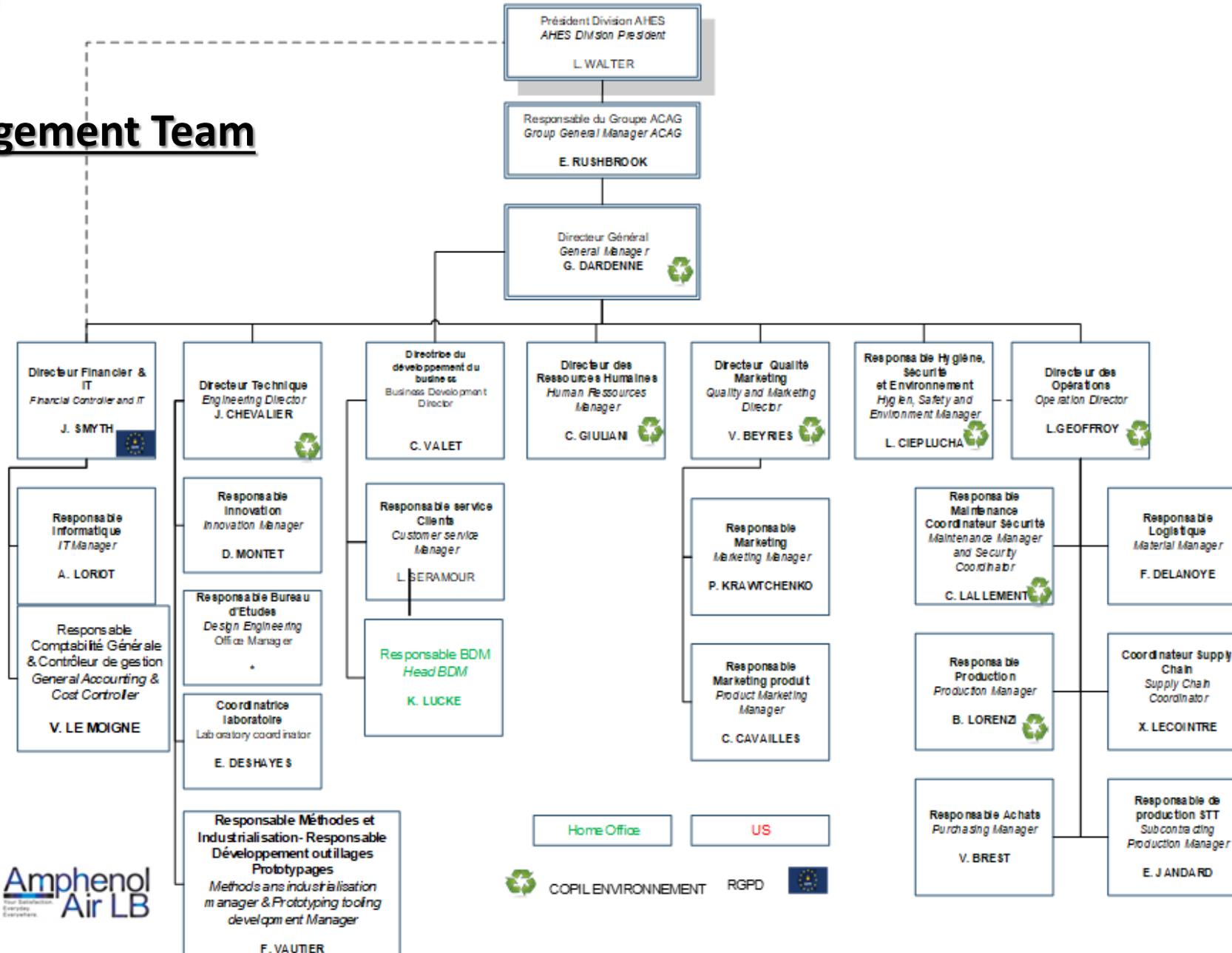
- EN 9100: July 2025 (renewal)
- ISO 14001: April 2025 (follow-up 1)



Amphenol Air LB Headcount ≈ 274 permanents

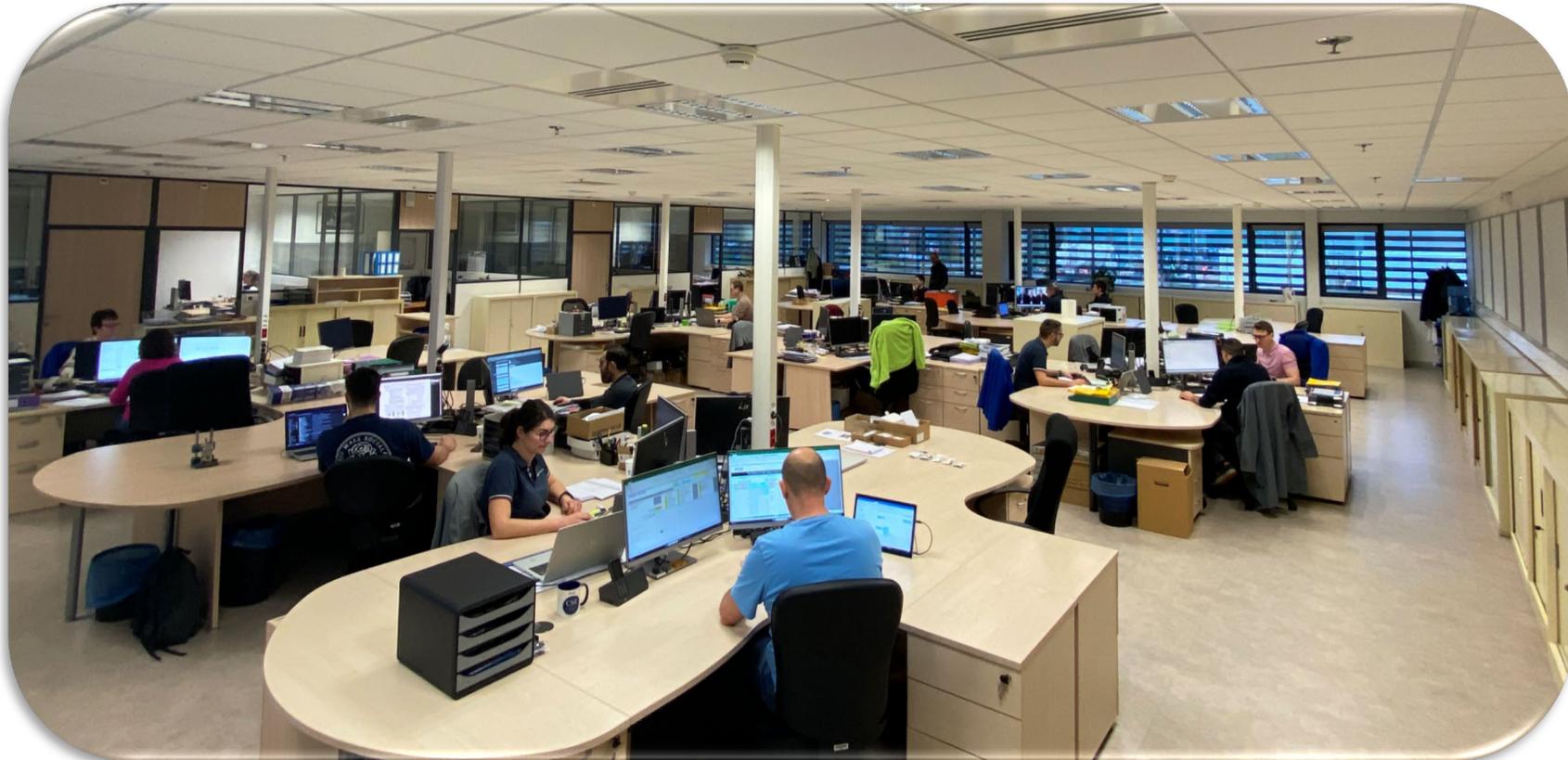
■	Production Direct	80
■	Logistic & Purchasing	39
■	Production Support	44
■	R&D, Lab, Manufacturing Engineering	40
■	Sales & Marketing	28
■	Quality	25
■	Management & Administration	14
■	I.T.	4

Management Team



Engineering

Design and Manufacturing Engineering Department



Prototypes build



Machining



Assembly

Manufacturing



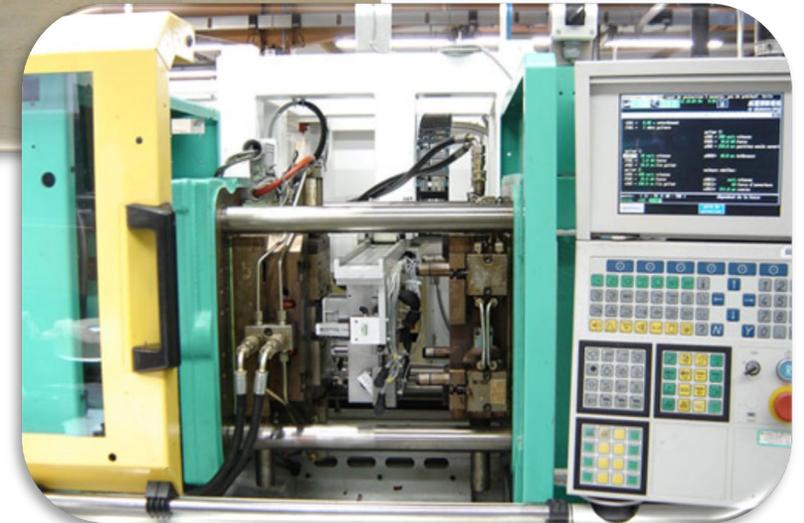
Moulding



Bi-Injection

Manufacturing

Over moulding



Manufacturing - Assembly



Ultrasonic soldering



Laser marking



Plasma Treatments



Laboratories



Electrical
&
Mechanical
tests



Climate
simulation

Tunisia : Sub-contracting



Over moulding & Assembly

- 93 000 hours in 2023 / 105 000 expected in 2024
- Subcontract LTA up to 2026
- Extension Area to be considered in 2024
- IPCA audit Airbus 2015: rank "A"
- Certified site: IATF 16949 et ISO 14001 et OHSAS 18001



Our premises : Reduction of industrial risks:

■ Prevention against fire risks:

- The building is 100% sprinkled and has a noncombustible construction
- Creation of a fire proof area for tool storage, and steel storage equipment
- Creation of a separate area for recharging the batteries of the selfpropelled trucks
- Creation of an independent local for the storage of packaging and raw materials

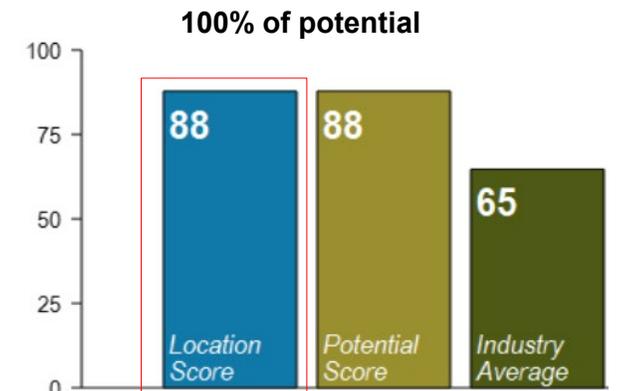
■ Prevention against flood risks:

The factory is built at an altitude of 16 meters higher than the nearest river.

■ Peoples' security:

The site is under access control, videoprotection, in collaboration with a security company 24 hours a day, 7 days a week.

Amphenol Air LB maintains an 88% score in terms of industrial non-risk compared to the potential score of 88%. The average is 65%.



Report of **FM Global** insurer – 08/01/2024

Our premises in the Champagne-Ardenne French region: Project supported by the FEDER, the Region and the Local Council Community



Projet de Nouvelle Usine cofinancé par l'Union européenne. L'Europe s'engage en Champagne-Ardenne avec le Fonds européen de développement régional

www.fse.gouv.fr



www.cr-champagne-ardenne.fr



www.portesduluxembourg.fr

With a **central position** in Europe (close to Germany and Benelux), a **skilled labour** (automotive industry) and a **favourable environment for employee's personal development**, French Ardennes are perfectly suited for industrial development:

- Amphenol Air LB definitely encourages its customers and suppliers to set up their facilities in the **Champagne-Ardenne French region**, especially in the **“Portes du Luxembourg” council community**.
For any additional information, please contact us.

Environment:

A proactive approach regarding environment matters:

Being a company obviously focused to respect the environmental standards, especially REACH and RoHS regulations.

REACH (Registration, Evaluation, Authorization of Chemicals)

- Continuous survey
- Regular and systematic information of customers on the conformity of our products with the last SVHC list issue (Substance of Very High Concern)



RoHS (Restriction of Hazardous Substances)

- For Railway and Industrial markets: Our products are 100% RoHS compliant
- For Aeronautic and Defense markets, which are part of the RoHS exemption domain: Survey and Proposition of “material substitutes” to customers



Amphenol Air LB France's offer

Who we are :

Amphenol Air LB France is an Engineering company in the field of connectors and attachment systems specialized in:

- Moulding and overmoulding,
 - Reengineering products,
- in harsh environments.

Benefits of overmoulding vs traditional gluing:

- Automated process
- Sealing optimization
- Improvement of high voltage
- High vibration and shock absorption

Guarantee of product:

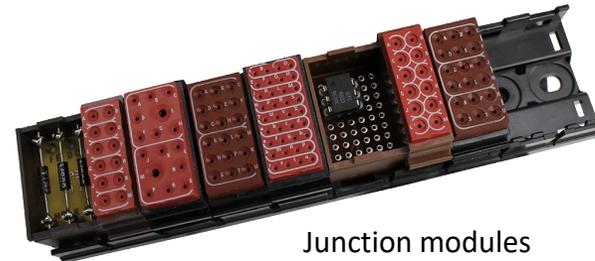
- Quality
- Reliability
- Integrity



Module for SIM Connector



Cable clamp



Junction modules

Our offer:

Markets

Commercial Air

Defense Air &
Space

Land & Naval
Defense

Railway &
Industrial

Solutions

Time saving

Weight saving

Space saving

Sealing

Modularity

Shielding

Applications

Commercial
aircrafts

Business jets

Hybrid aircrafts

eVTOLs

Airships

Civil
Helicopters

Defense
vehicles

Armored
vehicles

Land drones /
UGVs

Defense
aircrafts

Defense
Helicopters

Aerial drones /
UAVs

Missiles

Naval Ships

Submarines

Underwater
drones / AUVs

Surface drones
/ USVs

Space launcher
& satellites

Railway -
embedded

Railway -
signaling

Nuclear
power plant

Tidal turbines

Products

Rectangular

Quick Junction
Modules

Relay sockets &
Adaptors

Terminal Blocks
& Bus Bars

Accessories

Capabilities

Reengineering

Electronic
Packaging

Structure
connectorization

Optical
assemblies

Electrical
assemblies

MARKETS

Commercial Air



BOMBARDIER

AIRBUS



LATÉCOÈRE



Honeywell



Panasonic



VOLOCOPTER



[GO TO WEBSITE!](#)

Amphenol Air LB

Defense Air & Space



aselsan



DIEHL
Defence



SAFRAN



BLUE ORIGIN



THALES

MBDA
MISSILE SYSTEMS



[GO TO WEBSITE!](#)

Land & Naval Defense

aselsan

MEGGITT
smart engineering for
extreme environments



nexTER

SAFRAN

arianeGROUP

LEONARDO
INGENUITY AT YOUR SERVICE

NAVAL
GROUP

MBDA
MISSILE SYSTEMS



DIEHL
Aérospace



THALES

[GO TO WEBSITE!](#)

Railway - Industrial



BOMBARDIER



ALSTOM



HITACHI



Rolls-Royce

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SOLUTIONS



« Quick Install »



TIME SAVING



« Full composite
& silicone overmoulded »



« Quick connect »

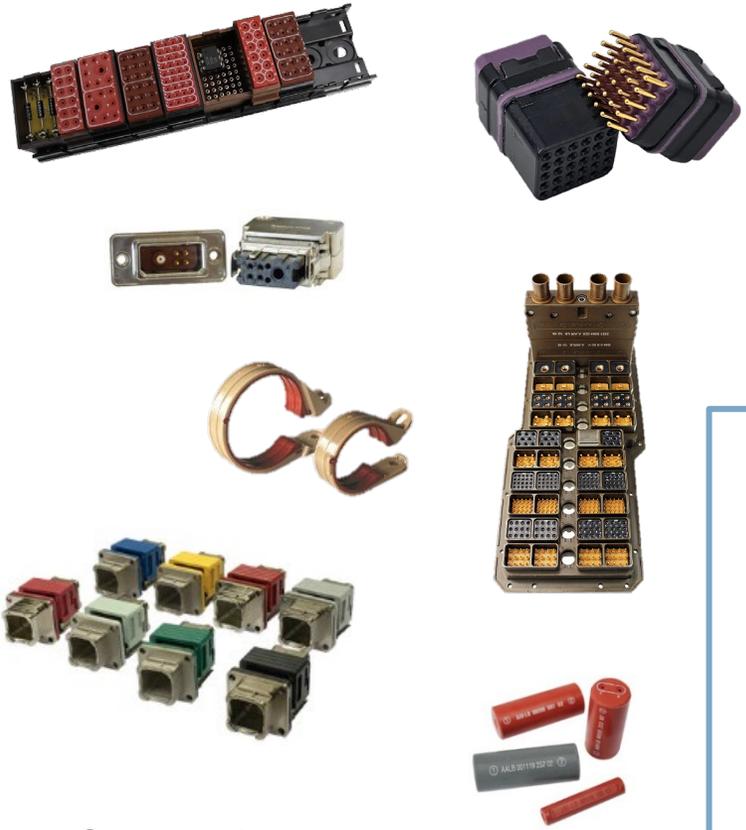


WEIGHT SAVING

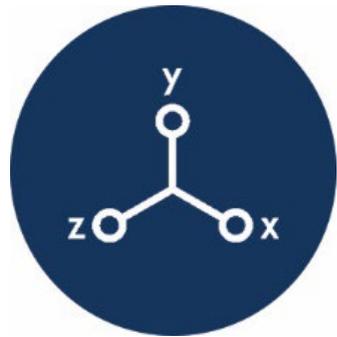


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« High contact density »



« Compactness »



SPACE SAVING



SEALING

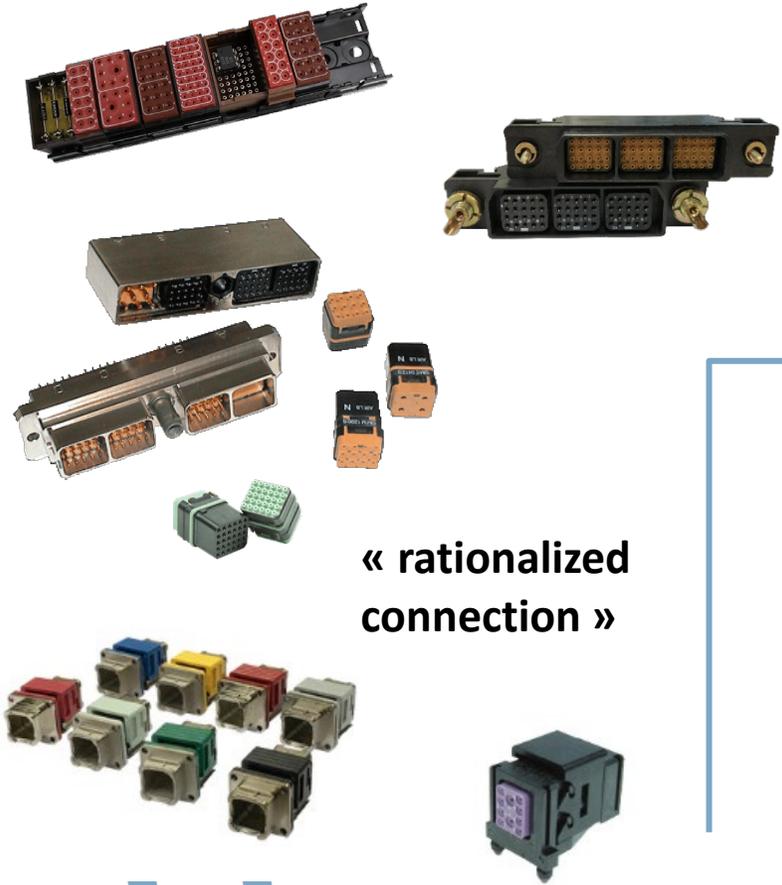


« Overmoulding technology:
second to none sealing performances »



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« Sizes & Technologies mixing »



« rationalized connection »



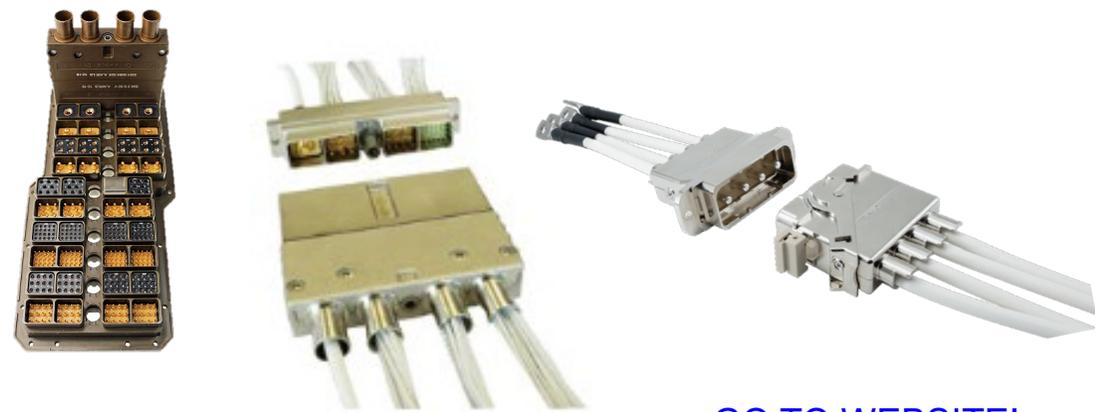
MODULARITY



SHIELDING



« Best-in-class dielectric performances »



[GO TO WEBSITE!](#)



« 80 Amps in a
size 8 contact »



**POWER &
HIGH VOLTAGE**



**HIGH SPEED &
FIBER OPTICS**



[GO TO WEBSITE!](#)

APPLICATIONS

Commercial Aircrafts



ASR connector



3240 monoblock assemblies



Pipe clamps



ABS1144



ABS1339 / CC1339
Light



CC5516Light



SIM optical
modules



SIM plate



ABS1688



3559 connector



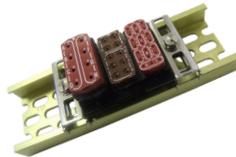
SIM/EN4165
monomodule



ABS1424



Bus bar



1100 modules



Relay socket – ASNE type



1900/EN3545 connector



1750 modules



1765 component carrier module



SIM/EN4165 series 2
connector



Ground power receptacle

Business Jets



ASR connector



3240 monoblock assemblies



Pipe clamps



ABS1144



ABS1339 / CC1339 Light



CC5516Light



SIM optical modules



SIM plate



3559 connector



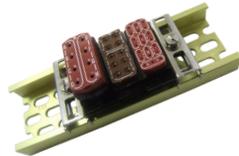
1900/EN3545 connector



SIM/EN4165 monomodule



1765 component carrier module



1100 modules + metallic rail



SIM/EN4165 series 2 connector



Modular bracket



1750 modules



Relay socket - ASNE type

Hybrid Aircrafts



SIM optical modules



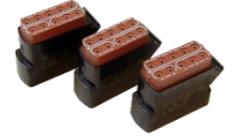
ASR connector



CC5516 clamps



ABS1339 / CC1339 Light



1100 modules



SIM plate



1119 splice



SIM/EN4165 series 2 connector



H-PAC connector



1765 component carrier module



SIM/EN4165 monomodule



1900SIM connectors



Monoblock assemblies



Ground power receptacle



1750 modules

eVTOLs



1100 modules



1119 splice



ABS1339 / CC1339
Light



CC5516
clamps



SIM/EN4165 series 2
connector



SIM/EN4165
monomodule



1900SIM connectors



Monoblock assemblies



Bus bar



H-PAC connector



1750 modules



Busbar cable support



1765 component
carrier module



Airships



1750 modules



3240 monoblock assemblies



Bus bar



SIM/EN4165 series 2 connector



1765 component carrier module



SIM/EN4165 monomodule



ASR connector



ABS2225



CC5516Light cable clamps



3261 cable clamps for Aero



SIM plate

Civil Helicopters



SIM/EN4165 series 2 connector



1119 splices



1900 connector



ABS1339 / CC1339 Light



SIM Splice



Monoblock assemblies



1100 modules



Wiring accessories



CC5516Light



Socket for light



1750 modules



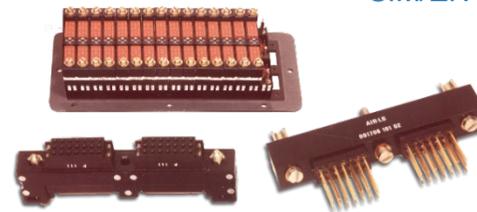
Modular interconnection panel



SIM/EN4165 metallic plate



1765 component carrier module



1708 plate



Defense Vehicles



1750 modules



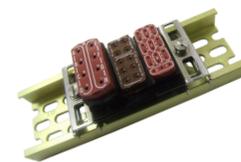
SIM/EN4165 series 2 connector



SIM/EN4165 metallic plate



1765 component carrier module



1100 module + metallic rail



ABS1339 / CC1339 Light



ABS2195 / CC5516



1900/EN3545 connector

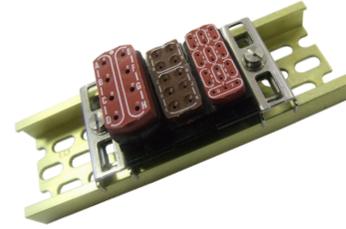
Armored Vehicles



*SIM/EN4165 series 2
connector*



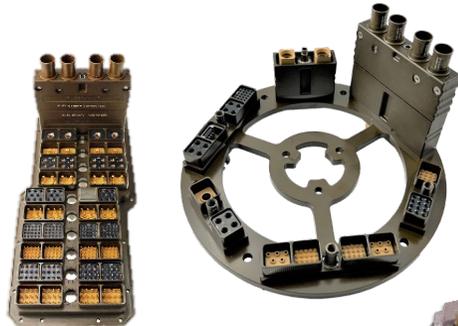
1750 modules



1100 modules + metallic rail



1900/EN3545 connector



*SIM/EN4165 metallic
plate*

Modular interconnection panel



*1765 component
carrier module*

Land drones / UGVs*



1119 splice



1765 component carrier module



1750 modules



SIM/EN4165 metallic plate



SIM/EN4165 series 2 connector



CC5516 Light



Wiring accessories



ABS1339 / CC1339 Light

Defense Aircrafts



Relay socket
ASNE type



SIM/EN4165 series 2
connector



Wiring accessories



ABS1339 / CC1339
Light



ABS2195 / CC5516



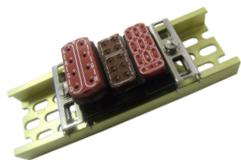
Monoblock assemblies



SIM/EN4165 metallic plate



1750
modules



1100 module + metallic rail



1765 component carrier module



Pipe clamps



1900/EN3545 connector



Space MT connector

Defense Helicopters



SIM/EN4165 - series 2 connector



1100 modules



1750 modules



Wiring accessories



SIM Splice



1119 splices



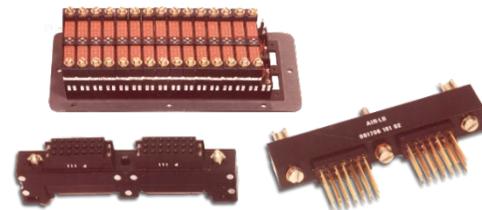
Socket for light



1900SIM connectors



ABS1339 / CC1339 Light



1708 plate



CC5516Light



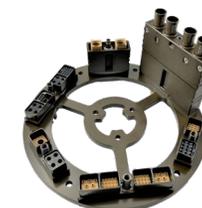
1900/EN3545 connector



Modular interconnection panel



monoblock assemblies



SIM/EN4165 metallic plate



1765 component carrier module



Aerial drones / UAVs*



SIM/EN4165 series 2 connector



1765 component carrier module



1119 splices



ABS1339 / CC1339 Light



ABS2195 / CC5516



1750 modules



Relay socket



1900SIM connectors



1100 modules



Wiring accessories



SIM/EN4165 metallic plate



CC5516Light

Missiles



SIM/EN4165 connector - series 2



1758 grounding modules



CC5516Light



ABS2195 / CC5516



SIM/EN4165 metallic plate



1750 modules



1765 component carrier module

Naval Ships



*SIM/EN4165
monomodule*



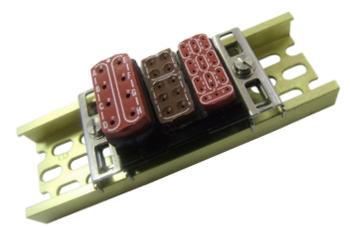
CC5516 Light



1750 modules



*ABS1339 / CC1339
Light*



1100 module + metallic rail



1119 splice



*SIM Marine bronze
connector*

Submarines



*SIM/EN4165 connector -
series 2*



ABS1339 Light / CC1339 Light



*1174 circular grounding
modules*



CC5516Light



*1765 component carrier
module*



Sealed modules



1750 modules



1119 splice

Underwater drones / AUVs*



ABS1339 Light / CC1339 Light



CC5516Light



1119 splice



1765 component carrier module



Wiring accessories



1900SIM connectors



1750 modules



SIM/EN4165 connector - series 2



SIM Marine bronze connector

Surface drones / USVs*



SIM/EN4165 connector - series 2



SIM Marine bronze connector



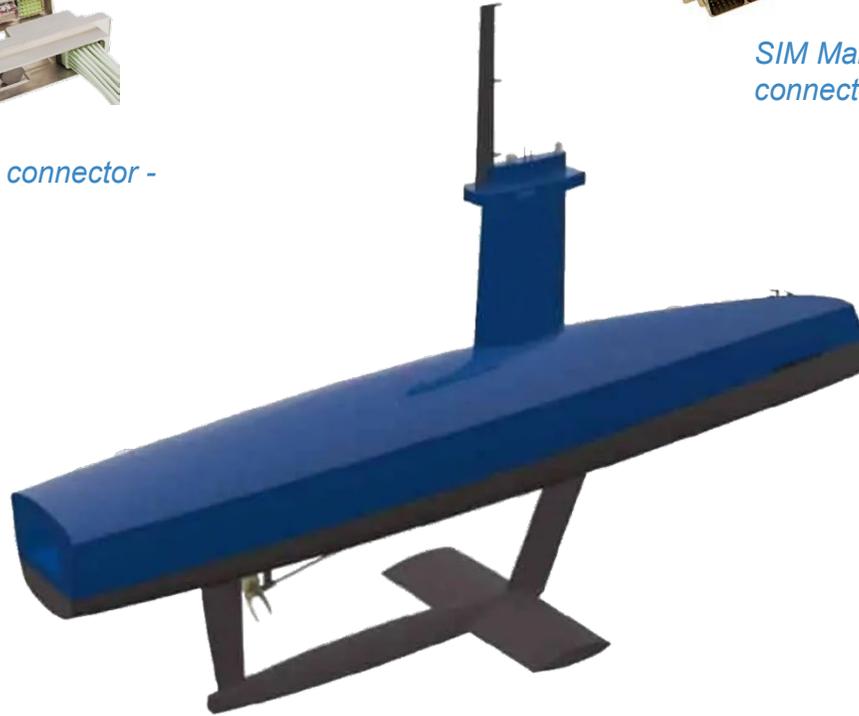
1900/EN3545 connector



1750 modules



1765 component carrier module



1119 splice



Wiring accessories



CC5516 Light



ABS1339 Light / CC1339 Light

Space launcher & Satellites



Pipe clamps



1750 modules

1119 splices



ABS1339 / CC1339 Light



CC5516Light



SIM/EN4165 connector



Wiring accessories

SIM/EN4165 metallic plate



Railway - Embedded



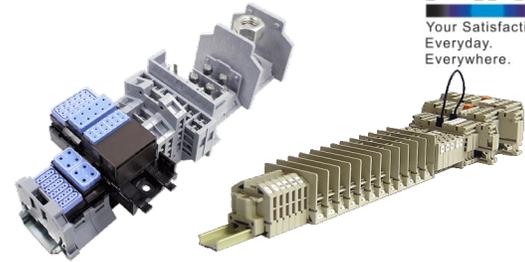
1777 modules



1119 splices



1977 connector



Terminal blocks



1765 module



Relay socket in ARC



Relay socket H type



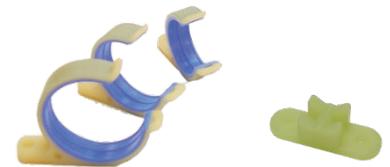
1900 SIM connector



SIM Splice

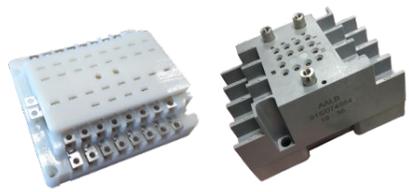


Relay socket 4RT & 6RT CI



Fixing accessories

Railway - Signaling



Relay socket for signaling with integrated PCB for distribution



Relay socket - Custom solutions

Relay sockets 4RT & 6RT in ARC



1900SIM connectors



SIM/EN4165 connector ranges



1119 Splices



1777 modules

Nuclear Power Plant



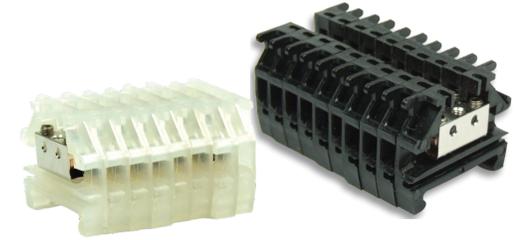
Splices with sealed sleeves



Sealed splices-to-disconnect



Sealed modules



Terminal junctions type 12400



Sealed modules

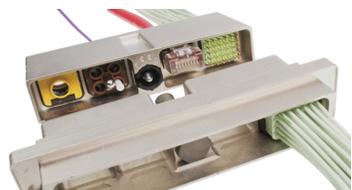
Tidal turbine



CC1339 Light clamps



LB Clamps



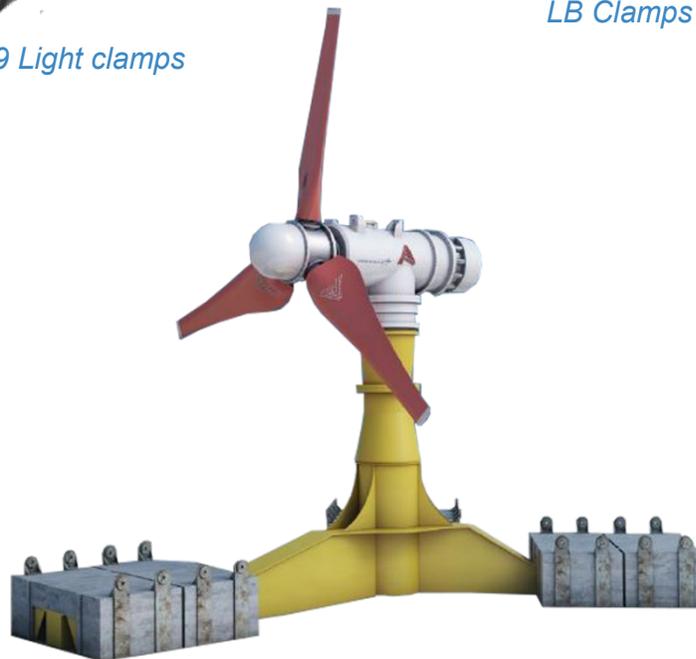
SIM/EN4165 connector - series 2



1777 distribution modules



SIM/EN4165 metallic plate



1750 modules



Sealed feedthru

PRODUCT TYPES

Rectangular connectors



SIM – EN4165 monomodule connectors



SIM – EN4165 series 2 connectors



SIM – EN4165 modules



SIM splice



SIM plates



SIM series 3



SIM – EN4165 Marine Bronze



3559 – ABS1152 Push-Pull connectors



3357 – ABS1019 Push-Pull connectors



1720 – ABS0364 Push-Pull connectors



ASR connectors



H-PAC connector



Space MT connector



1900SIM connectors



1900 – EN3545 connectors



1977 connectors



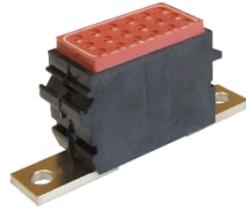
1900Elio – ABS1696 connectors

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Quick Connection Junction Modules



1750 modules



1758 grounding modules



1765 component
carrier modules



1100 modules



1130 modules with inserted
components



1200 / ABS1569
micro-current modules



1174 circular grounding
modules



1119 splices for aero



1119 splices for Rail



1777 modules

Relay Sockets & Adaptors



Relay sockets – ASNE type



Relay sockets – H400-H600 type



Relay sockets – H400-H600 type in ARC

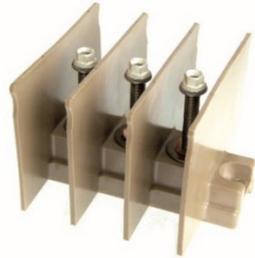


Socket for light

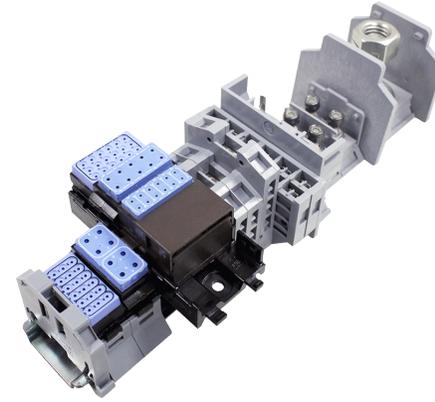
Terminal Blocks



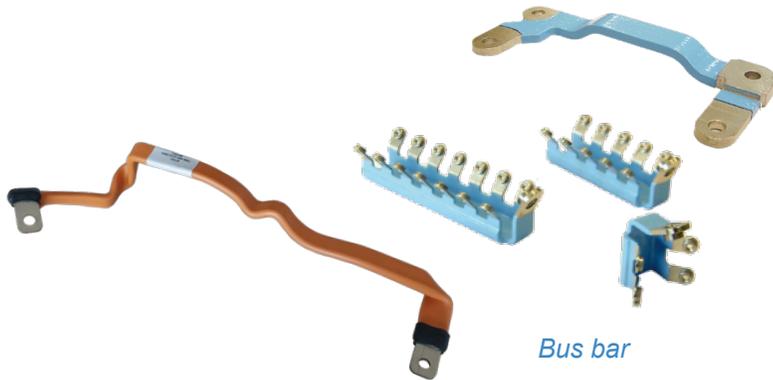
3240 monoblock assemblies



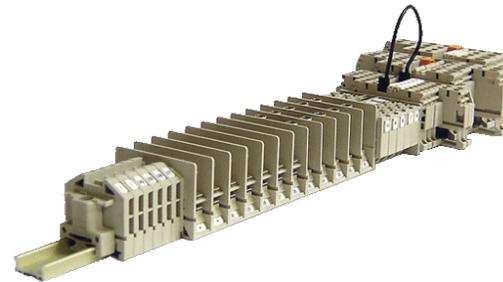
3242 monoblock assemblies



Terminal block in ARC material (BJL, BJT)



Bus bar



Terminal block standard material (BJL, BJT, BJC)

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Accessories



*ABS1339 cable clamps
for fuel environment*



*ABS1339/CC1339 Light
cable clamps*



*ABS2195/CC5516
cable clamps*



*CC5516 Light
cable clamps*



LB Clamps



3262 cable clamps



ABS1688



ABS1424



ABS1694



ABS1695



*ABS14XX
Pipe clamps*



*Modular Pipe
clamps*



Busbar cable support



ABS2225



*3261 cable clamps
for Aero*



Modular bracket

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CAPABILITIES

Reengineering: Why?

Redesigning and reproducing an obsolete component or improving existing products

- When one more PN becomes obsolete within system,
 - When your original supplier let you down but give up its intellectual property on the component
- **We can redesign your original product**

Advantages:

- **Cost saving:** you do not need to redesign / requalify all your system
- **Time saving:** we redesign an interchangeable product
- **Lasting and reliable solution and partner**

Let's talk about it!



Some examples of reengineering:

Railway



Aeronautic & Defense



Nuclear



Electronic Packaging: Why?

Integrating electronic components within interconnect systems while simplifying your architecture.

Advantages:

- **Space saving:** optimization of space requirements (design)
- **Time saving:** reduced integration time
- **Supply chain simplification:** one part number and one provider only to manage
- **Customized and stable solutions**



Electronic Packaging

Some examples of electronic packaging:



VSD2

Power and data distribution box for IFE system in metallized composite equipped with SIM EN4165 modules and integrating a multi-layer PCB.



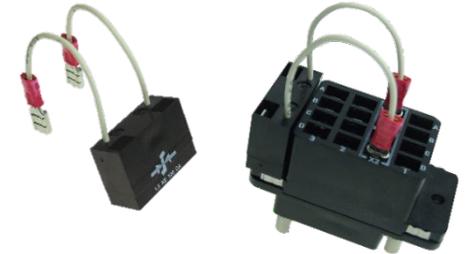
Mini MRP

Composite or metallic box ARINCC836 / Mini MRP equipped with a multi-cavities interface derived from the standard EN4165, accepting all modules types (optical, electrical), especially for MT connectors.



Component carrier or inserted component modules

Modules providing wiring high density modular connections and very high performance. They may consist of sealed quick junction connection and component carrier housing.



Clamping carrier blocks

Block with integrated diode mounted on a relay socket.

Structure connectorization

Think connectorization of structural elements: Why?

Amphenol Air LB has various design options to propose that will meet your requirement and simplify your procurement.

Advantages:

- **Time saving on assembly:** monoblock machining
- **FOD reduction:** removing fasteners
- **Supply chain simplification:** single part number
- **Space saving:** juxtaposition of connectors
- **Weight saving:** design optimization



Overall cost saving



Connectorization of structural elements can be used in all defense applications with metallic structural parts on which some connectors are attached / integrated.



Structure connectorization

Some examples of connectorization:

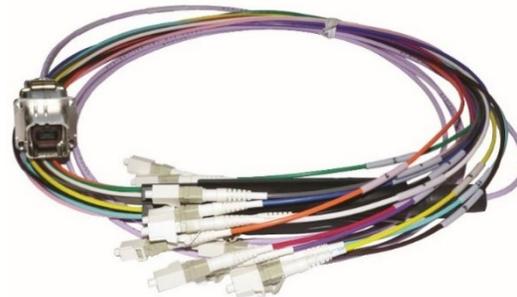


Optical Assemblies

Optical cable assemblies:

Amphenol Air LB can provide custom assemblies based on your requirements, starting from:

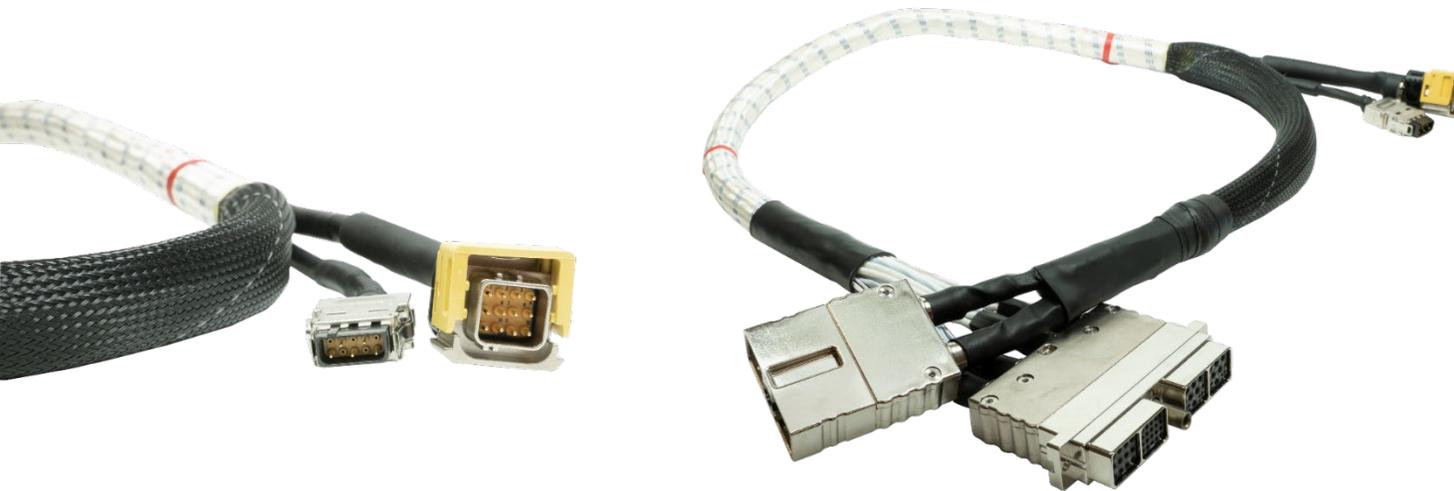
- your technical drawings
- your specifications



Electrical cable assemblies:

Amphenol Air LB can provide custom assemblies based on your requirements, starting from:

- your technical drawings
- your specifications



Contact us!



2, rue Clément Ader

ZAC de Wé

08110 Carignan

France

Tel.: +33 (0)3 24 22 32 66

customer-service@amphenol-airlb.fr

support-technique@amphenol-airlb.fr

Website: www.amphenol-airlb.fr

