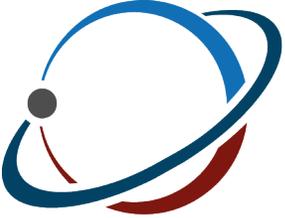




High-Reliability Solutions for EUROPE

 **HI-REL SOLUTIONS**
by STELIAU TECHNOLOGY ●●●●

STELIAU
TECHNOLOGY ●●●●
Space & Hi-Rel Business Unit

+

 **MSA**
components
Reliable. When It Matters.
A STELIAU TECHNOLOGY COMPANY ●●●●

STELIAU Space & Hi-Rel B.U. Team



Ferdinando Mariani
HRS B.U. Director



Fabio Pagliani
Account Manager
Italy



Alejandro Solano
Account Manager
Spain & Portugal



Jens Hagelund
Account Manager
UK, Nordics
& Eastern Europe



Fabio Asti
BDM Microelectronics
& Power Semiconductors
Europe



Michele Di Stefano
Account Manager
Italy



Benoit Hareng
Account Manager
France, Benelux, Greece



Komal Vilkar
Account Manager
Germany, Austria
& Switzerland



Giuseppe Rossi
BDM RF, MW
& Subsystems Europe



Giovanna Morlacchi
Account Manager
Italy North



Stefania Papagni
Customer & Supplier
Service Europe



Linda Mariani
Customer Service
Europe



MSA Components Team



Ferdinando Mariani
Managing Director
MSA Components GmbH



Jürgen Rust
Account Manager



Markus Schulte
BDM Interconnect &
Passive Components



Katharina Schulte
Operations Manager



Uta Richard-Schulte
Office Manager



Christoph Middel
Account Manager



Fabio Asti
BDM Microelectronics
& Power Semiconductors
Europe

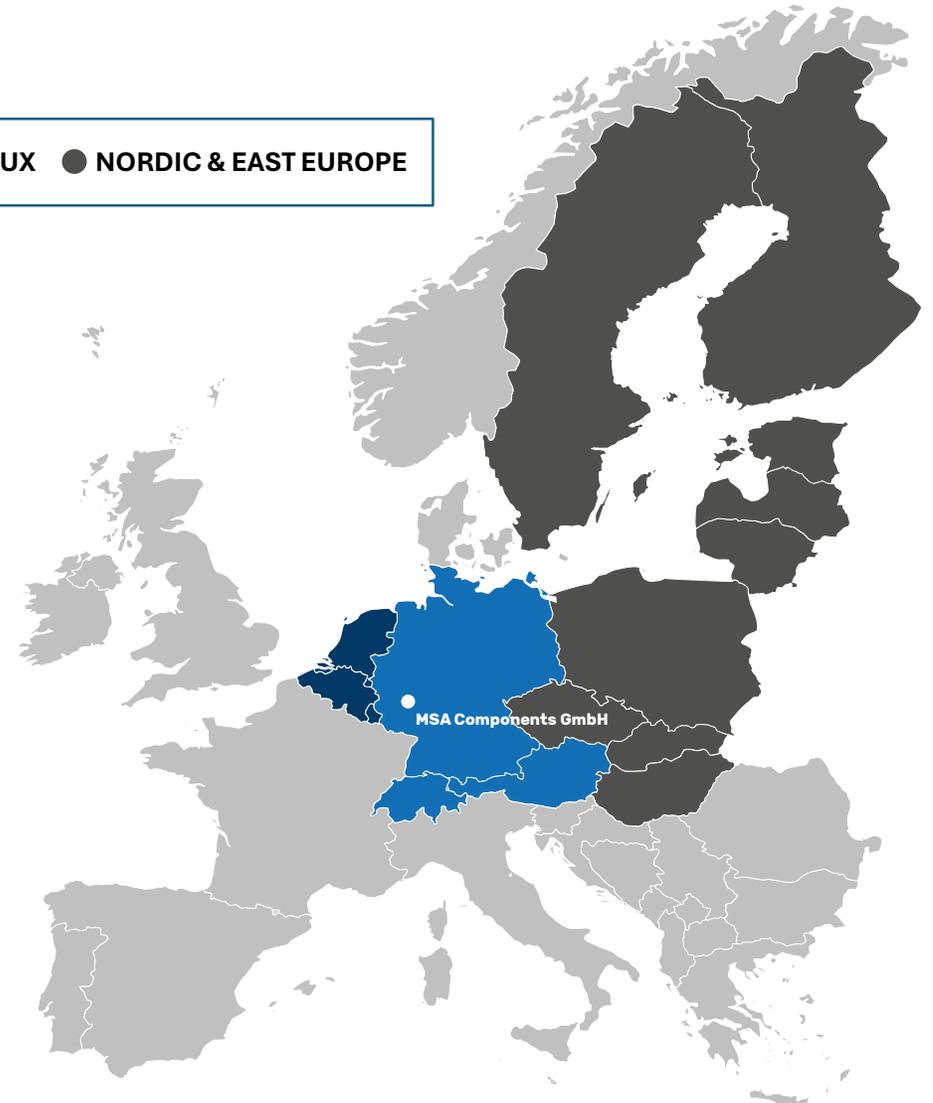


Michael Schulte
Strategic Advisor



Matthias Weber
Customer & Supplier
Service

● DACH ● BENELUX ● NORDIC & EAST EUROPE



Highly Specialized Hi-Rel-Team along Entire Supply Chain



Ferdinando Mariani
 B.U. Director Hi-Rel Solutions by Steliau Technology
 Managing Director MSA Components GmbH

Account Manager



Benoit Hareng
 France, Benelux
 Greece



Fabio Pagliani
 Italy



Michele Di Stefano
 Italy



Giovanna Morlacchi
 Italy



Alejandro Solano
 Spain & Portugal



Jens Hagelund
 UK, Nordic &
 Eastern Europe



Komal Vilkar
 DACH (STI Portfolio)



Jürgen Rust
 DACH (MSA Portfolio)



Christoph Middel
 DACH (MSA Portfolio)

BDM STELIAU Hi-Rel Solutions and MSA/Strategic Advisor



Michael Schulte
 Strategic Advisor



Markus Schulte
 Interconnect &
 Passive Components



Giuseppe Rossi
 RF, MW,
 Subsystems



Fabio Asti
 Microelectronics &
 Pw. Semiconductors



Stefania Papagni
 Customer & Supplier
 Service Europe



Linda Mariani
 Customer Service
 Europe



Katharina Schulte
 Operations Manager

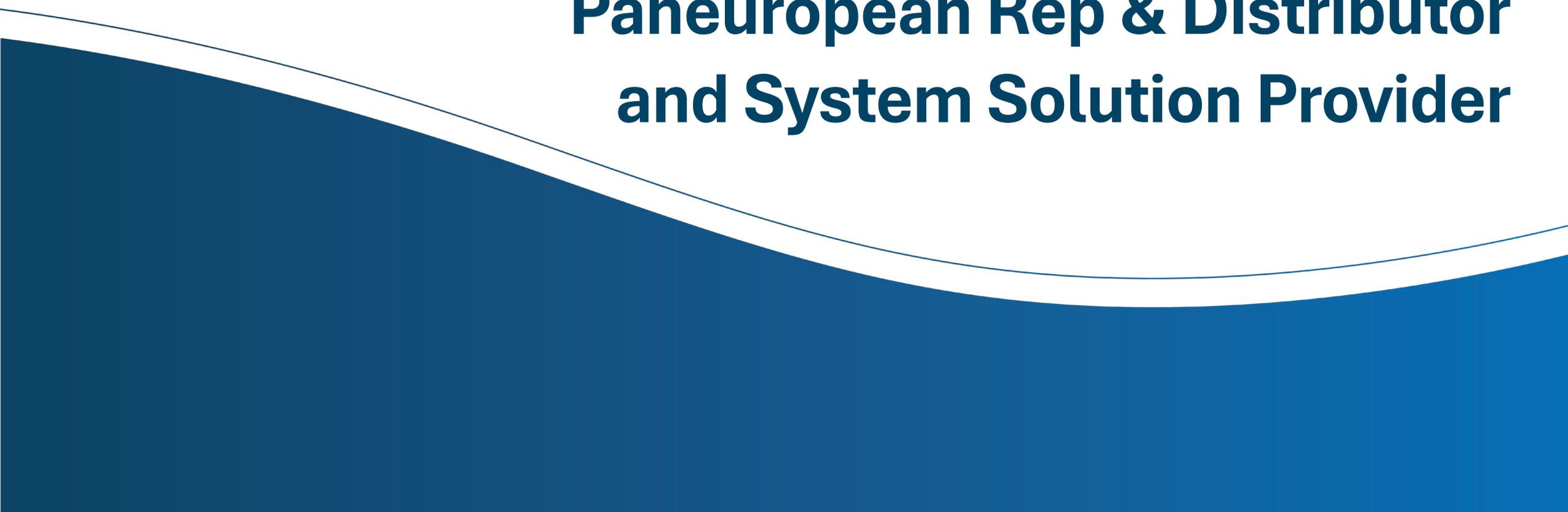


Uta Richard-Schulte
 Office Manager



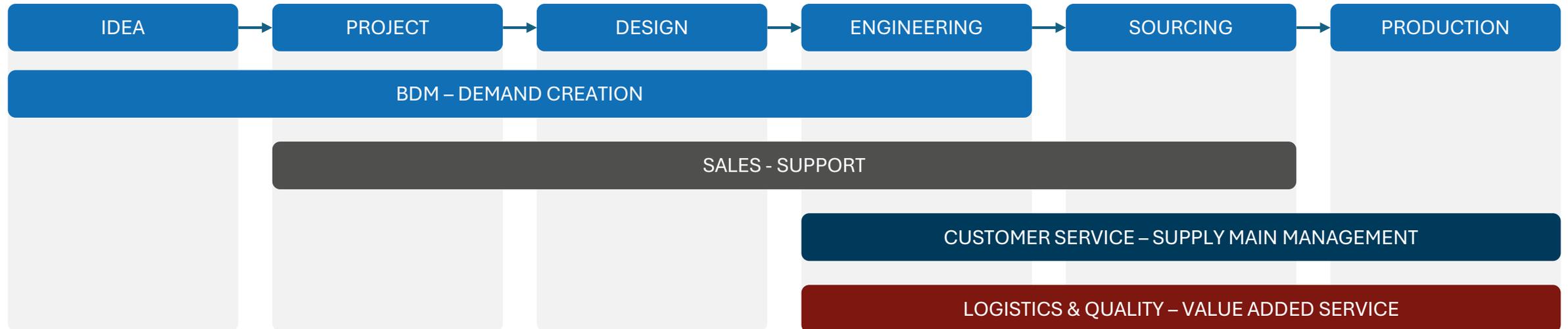
Matthias Weber
 Customer & Supplier
 Service MSA

Backoffice



**Paneuropean Rep & Distributor
and System Solution Provider**

Design – Supply Chain Process



- **Deep Involvement at the Earliest Point in Projects, Leads to More Efficient and Cost Effective Solutions Later On**
- **New Technology Introduction Combines with Logistical Expertise**
- **HRS Can Support Customers from the Far Left to the Far Right**

Covered Markets and Customers



DIEHL
Defence

 **LEONARDO**

 **TESAT**

ThalesAlenia
a Thales / Leonardo company Space

DIEHL
Aviation

KNDS

HENSOLDT
Detect and Protect.

ALTER

LIEBHERR

indra

mynaric

TERMA[®]

ROHDE & SCHWARZ
Make ideas real



beyond gravity

 **OHB**

 **Jenaoptronik**

AIRBUS

 **DLR**
Deutsches Zentrum
für Luft- und Raumfahrt
German Aerospace Center

 **RHEINMETALL**
DEFENCE

SITAEI

MBDA
MISSILE SYSTEMS

FRONTGRADE

MARKETS



Space

REPRESENTED AREA

- Europe

PRODUCT LINES

- Microelectronics and Rad-Hard Components
- Embedded Boards
- Power Management
- RF & Microwave
- Motion Control Solutions
- Data Interface Solutions

STANDARDS/CERTIFICATES



Accordance with AS9104A standards

Payload and Bus

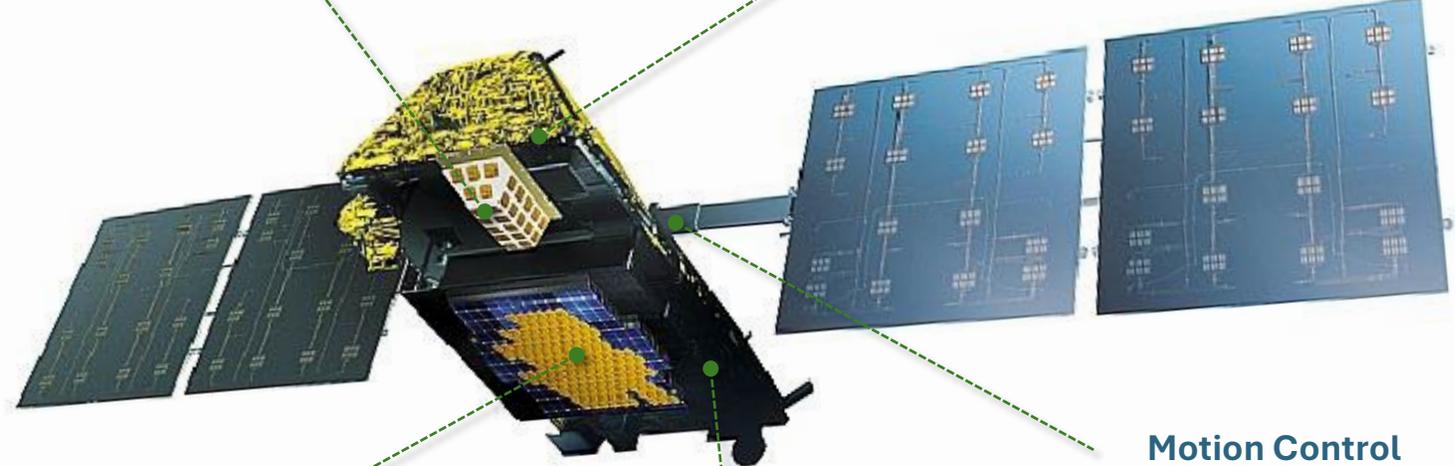
Avionics & Mission Processing

Subsystems, Processors, ASICs, IP cores, Rad-Hard ICs, memory, interconnects



Antenna Products

AESAs, pointing mechanism controllers, position sensors, gimbals



RF

Waveguide, filters, rotary joints, SSPA, LNA, Switches



Power

Power management & conversion, battery electronics



Motion Control

Actuators, DC motors, electronic controls



FRONTGRADE

MARKETS



REPRESENTED AREA

• Europe

PRODUCT LINES

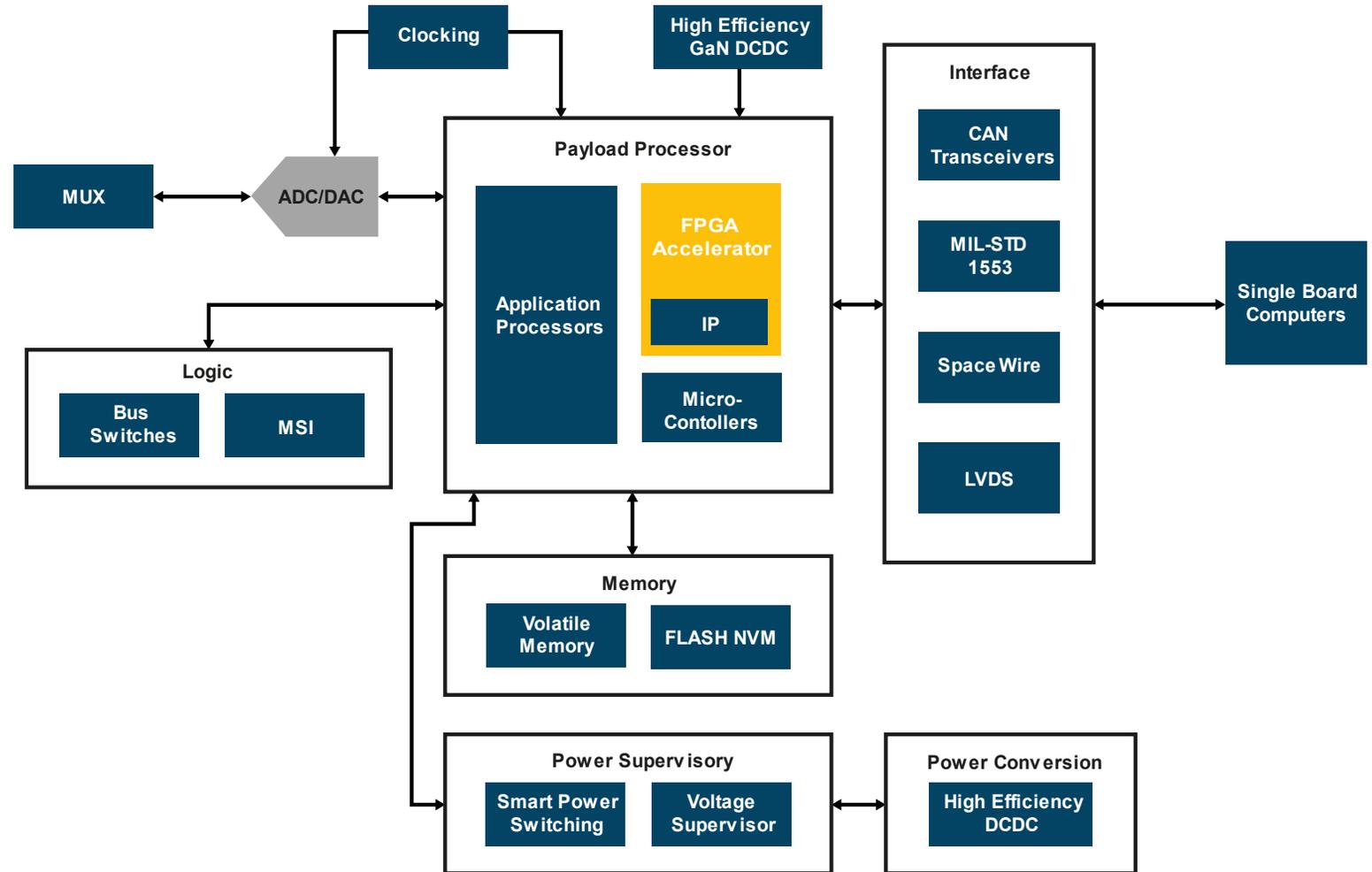
- Microelectronics and Rad-Hard Components
- Embedded Boards
- Power Management
- RF & Microwave
- Motion Control Solutions
- Data Interface Solutions

STANDARDS/CERTIFICATES



Accordance with AS9104A standards

Combined Capabilities Enabling Mission Solutions



FRONTGRADE

MARKETS



REPRESENTED AREA

- Europe

PRODUCT LINES

- Microelectronics and Rad-Hard Components
- Embedded Boards
- Power Management
- RF & Microwave
- Motion Control Solutions
- Data Interface Solutions

STANDARDS/CERTIFICATES

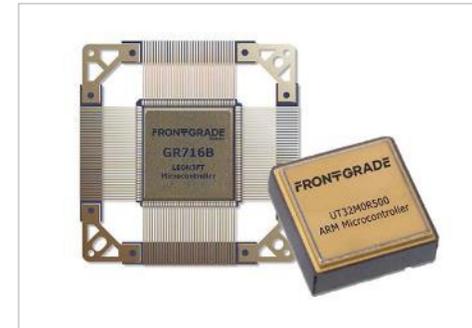


Accordance with AS9104A standards

Microelectronics and Mission Processing



Microprocessors



Microcontrollers



Memories



FPGAs



Custom ASICs and Single Board Computers



Software and IP Cores

FRONTGRADE

MARKETS



Space

REPRESENTED AREA

- Europe

PRODUCT LINES

- Microelectronics and Rad-Hard Components
- Embedded Boards
- Power Management
- RF & Microwave
- Motion Control Solutions
- Data Interface Solutions

STANDARDS/CERTIFICATES



Accordance with AS9104A standards

Power Solutions



Multi-Output Point-of-Load converters



GaN DC-DC Converters



EMI Filters



Battery Managements



Smart Power Switch Controller

FRONTGRADE

MARKETS

Space Defense

REPRESENTED AREA

• Europe

PRODUCT LINES

- Microelectronics and Rad-Hard Components
- Embedded Boards
- Power Management
- RF & Microwave
- Motion Control Solutions
- Data Interface Solutions

STANDARDS/CERTIFICATES



Accordance with AS9104A standards

RF Solutions



Waveguides



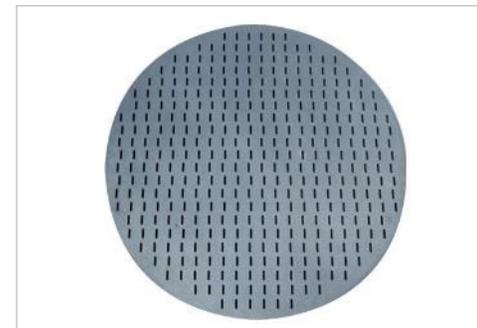
Rotary Joints



Steerable Antennas



Non-Steerable Antennas



Slotted Flat Panel



RF Power

FRONTGRADE

MARKETS



REPRESENTED AREA

- Europe

PRODUCT LINES

- Microelectronics and Rad-Hard Components
- Embedded Boards
- Power Management
- RF & Microwave
- Motion Control Solutions
- Data Interface Solutions

STANDARDS/CERTIFICATES



Accordance with AS9104A standards

Electromechanical Motion Control



Motion Control Products



Satellite Solar Panel Actuation



Stepper Motors



Brushless DC Motors



Zero Cogging Motors



Voice Coil Motors & Limited Angle Torque Motors



MARKETS

Defense

REPRESENTED AREA

• Europe

PRODUCT LINES

- AC/DC and DC/DC Power Supplies
- DC/AC Inverters
- Power Cabinets
- Power Subsystem Integration
- Battery Charges
- Power Distribution Units
- Advanced UPS Technology

STANDARDS/CERTIFICATES



Power Supply & UPS



AC/DC and DC/DC Power Supplies



DC/AC Inverters



Battery Chargers



Power Distribution Units



Online UPS with Double Conversion



Modular Backplane Solutions

CAES

by Honeywell

MARKETS

Space Defense

REPRESENTED AREA

• Europe

PRODUCT LINES

- RF & MW Solutions
- Switch Matrices
- Detectors
- Limiters
- Switches
- Integrated Assemblies
- Attenuators

STANDARDS/CERTIFICATES



Signal Products



Switches



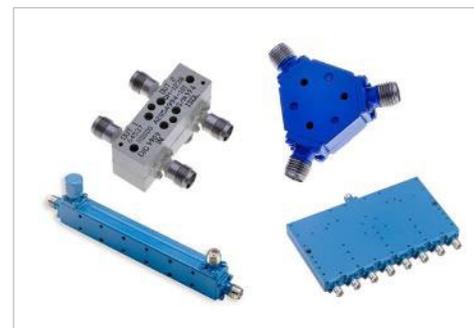
Attenuators



Phase Shifters



Detectors



**Passive Components
(Power Dividers &
Combiners / Directional &
Hybrid Couplers)**



MARKETS

- Defense

REPRESENTED AREA

- Europe

PRODUCT LINES

- Motor & Alternator Design
- Fin Actuation System Design
- Servo Actuator Design
- Gearbox Design
- Test Bench Developments
- Power Electronics
- System Modelling and Simulation
- Embedded System Development
- FPGA Based Controller Design

STANDARDS/CERTIFICATES



- Facility Security Clearance Certificate
- Production Permit Certificate
- FSCC-NATO
- Ministry of National Defence
- Certificate Qualified Supplier
- Strategic Partnership Document
- EYDEP

Electric Motor Solutions



Frameless Motors with & without Integrated Ball Screw



Rotary Actuators



Planetary Gearboxes



Brush and Brushless DC Motors



Fin and Canard



Linear Actuators



MARKETS

Defense

REPRESENTED AREA

• Europe

PRODUCT LINES

- Power Supplies
- DC/DC Converters
- AC/DC Switching Power Supply - External
- LED Products
- Magnetics & Transformers

STANDARDS/CERTIFICATES



DC/DC converters & EMI filters (MIL-COTS)



Power Supplies



DC/DC Converters



Defense Grade DC/DC
Converters & Filters

SEALEVEL®

MARKETS

- Defense

REPRESENTED AREA

- Europe

PRODUCT LINES

- Industrial I/O Modules
- Embedded & Rugged Computing
- Serial Communication Interfaces
- Ethernet & Network I/O Servers
- Software & Support Tools
- Custom Embedded Solutions

STANDARDS/CERTIFICATES



Reliable Industrial Connectivity and I/O for Critical Applications



Embedded Computer



Data Acquisition (DAQ) Devices



Ethernet Servers and Adapters



USB



PCI



Tactical Communications

SP Industrial

MARKETS

Defense

REPRESENTED AREA

• Europe

PRODUCT LINES

- Embedded Solutions
- NAND Flash storage
- Solid State Drives (SSD)
- DRAM Modules
- Rugged Laptop/Tablet/Display
- Rugged Server/NAS/External SSD

STANDARDS/CERTIFICATES



High-Performance Storage and Memory Solutions



Solid State Drives (SSD)



DRAM Modules



PCIe



Custom Modules



MARKETS



REPRESENTED AREA

- Europe

PRODUCT LINES

- Crystals & Oscillators

STANDARDS/CERTIFICATES

- Completed Quality System (Esterline R&D)
- In process Quality System (MV-Electronics).

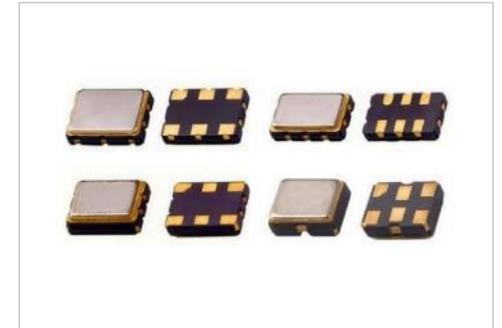
Crystals & Oscillators



**(XTAL) – Crystals and
(32.768 kHz) - Real Time
Clock References**



**(XO) - Clock - Crystal
Oscillators**



**(VCXO) - Voltage
Controlled Crystal
Oscillators**



**(TCXO) - Temperature
Compensate Crystal
Oscillators**



**(OCXO) - Oven Controlled
Crystal Oscillators**



MARKETS

- Space
- Defense

REPRESENTED AREA

- Europe

PRODUCT LINES

- Components & Modules
- Test Systems Instruments
- Frequency Acquisition Systems

Services & Technologies

- Oscillator Testing
- Engineering Consulting
- Secondary Compensation (MSAC)

STANDARDS/CERTIFICATES

- Completed Quality System (Esterline R&D)
- In process Quality System (MV-Electronics).

Frequency Systems



Freq Dividers & Multiplier



Embeddable Signal Source



Mixers/Down Converters



Distribution Amplifier



Timing Module



Test Instruments

MARKETS



REPRESENTED AREA

- Europe

PRODUCT LINES

- Thermal Pad
- Gaskets
- Tapes
- Adhesive
- Bumpers/Shielding protection

STANDARDS/CERTIFICATES



Thermal Interface Materials Liquids / Greases



Thermal Greases



Gap Fillers



Thermal liquid adhesives

MARKETS



REPRESENTED AREA

- Europe

PRODUCT LINES

- Thermal Pad
- Gaskets
- Tapes
- Adhesive
- Bumpers/Shielding protection

STANDARDS/CERTIFICATES



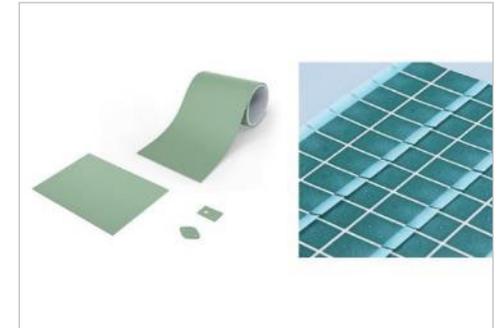
Thermal Interface Materials Die-cuttable / Thermal Pads



Thin films with/without
silicone (SilPad)



Thermal Pad (Gap Pad)



Phase Change Materials
(PCM)



Double sided adhesive
tapes



Graphite-Carbon fiber



MARKETS

- Space
- Defense

REPRESENTED AREA

- Europe

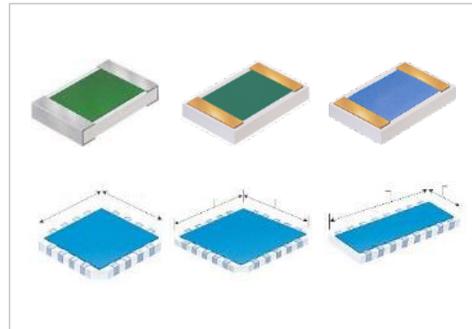
PRODUCT LINES

- RF & MW Solutions
- Thin & Thick Film Chip Resistor
- Thin & Thick Film Resistor Networks
- SMT Thick Film Resistor Networks
- Resistors and Potentiometers
- Precision Chip Resistors
- Resistor Networks
- RF & MW Components

STANDARDS/CERTIFICATES



Military Chip Resistors and Networks



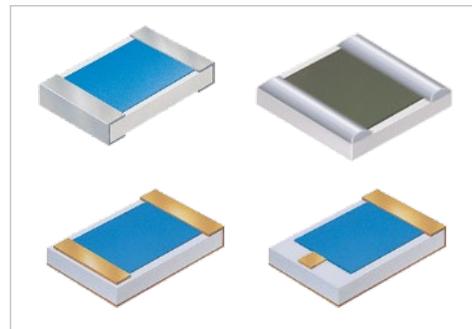
Military Chip Resistors and Networks



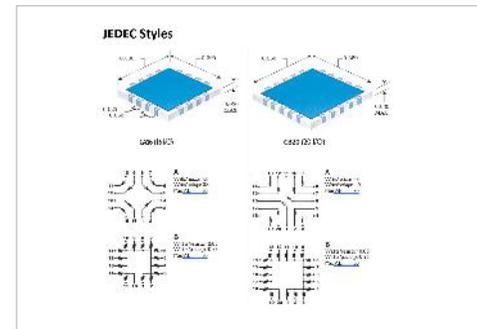
Surface Mount Chip Resistors



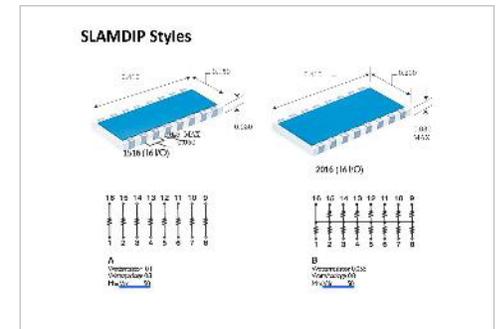
High Reliability Products



High Frequency and Silicon



Surface Mount Resistor Networks (JEDEC Styles)



Surface Mount Resistor Networks (SLAMDIP Styles)



MARKETS

- Space
- Defense

REPRESENTED AREA

- Europe (Italy)

PRODUCT LINES

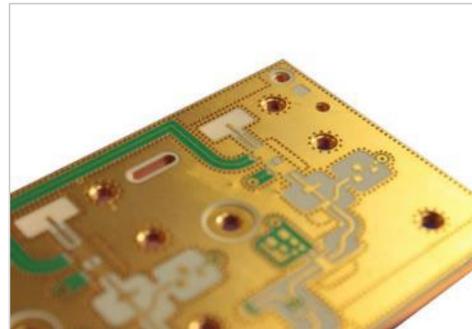
- PCB
- Microvias, stacked microvias, blind & buried vias
- Flex rigid PCB with HDI technology
- Multilayers PCB
- Single/double-sides PCB

STANDARDS/CERTIFICATES

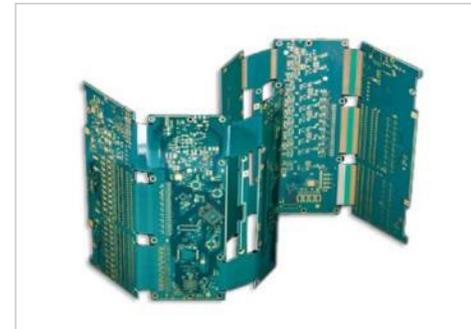


- EN 45 545 (HL3 for R25 – ITcnpl for R22)

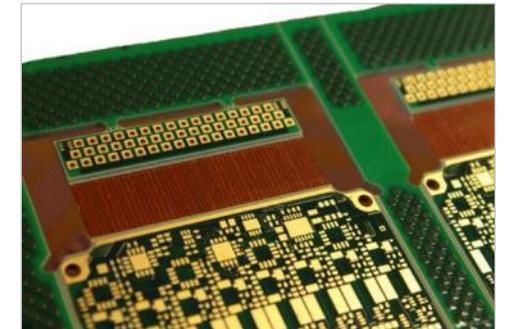
Printed Circuit Boards



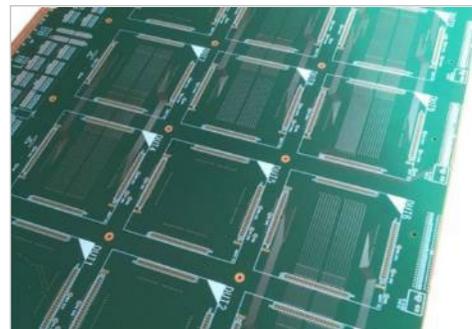
RF / Microwave



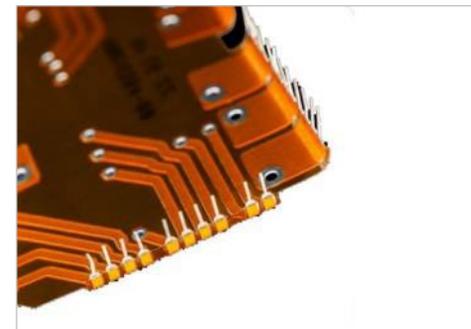
Semi-Flex



Flex-Rigid & HDI



Large Format



Sculptured Flex



Foam RF Solutions

MARKETS

Space Defense

REPRESENTED AREA

• Europe (Italy, Spain, Portugal)

PRODUCT LINES

- High precision ball bearings
- Integrated ball bearings
- Subsystems
- Servomotors and Motorized Bearings

STANDARDS/CERTIFICATES



High Precision Ball Bearings & Rotating Systems



High Precision Ball Bearings



Integrated Ball Bearings



Sub-Systems



Servomotors and Motorised Bearings



MARKETS

- Space
- Defense

REPRESENTED AREA

- Europe (Italy)

PRODUCT LINES

- RF & MW Solutions
- Switch Matrices
- Detectors
- Limiters
- Switches
- Integrated Assemblies
- Attenuators

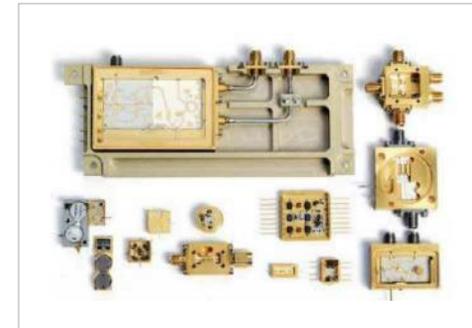
STANDARDS/CERTIFICATES



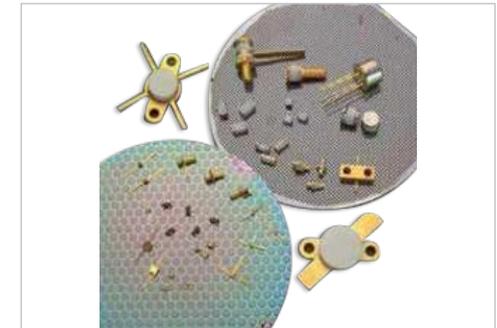
RF/MW Components & modules



Isolators & Circulators



Modules



**Diodes, Varactors,
Mos Capacitors**



Filters & Duplexers

- Air cavity
- Ceramic
- Lumped element
- Waveguide



**Waveguide to Coaxial
Adapters, Couplers,
Combiners, Loads**



MARKETS

Defense

REPRESENTED AREA

• Europe (Italy)

PRODUCT LINES

- Slip rings
- Twist Capsules
- Fiber Optic Rotary Joints
- RF Rotary Joints
- Waveguide Switches

STANDARDS/CERTIFICATES



Signal Products



RF Rotary Joint



Rotary Joint Assembly with Slip Ring



Rotary Joint Assembly for Liquid Cooling System



MARKETS

- Space
- Defense

REPRESENTED AREA

- Europe (Italy)

PRODUCT LINES

- Chokes
- Transformers
- Inductors

STANDARDS/CERTIFICATES



- EN/AS 9100
- FT08690020 Generic Specification
- FT08690019 Process Identification Document
- FT08690028 Declared Process List
- FT08690027 Declared Material List

Magnetic Components



Customized Components



Assembled Solutions and Plug & Play



Space Magnetics

MARKETS



REPRESENTED AREA

- Europe (Italy)

PRODUCT LINES

- Solar Cell Coverglasses
- Optical solar reflectors (OSR)

STANDARDS/CERTIFICATES



Solar cell coverglasses Optical solar reflectors (OSR)



**Space Qualified
Radiation Shielding Glass**



**Radiation-stable Optical
Solar Reflectors (OSR's)
and Coverglasses**

MARKETS

Space Defense

REPRESENTED AREA

• Europe (Italy)

PRODUCT LINES

• Silicone Compounds:
Adhesive/Sealants, Coatings, Electrically
Conductive/Static Dissipative, Fluids, Foams, Gels,
High Consistency & Liquid Silicon Rubbers, Low
Consistency Elastomers, Pressure Sensitive
Adhesive, Primers, Thermally Conductive

STANDARDS/CERTIFICATES



Silicon Compounds



Primers



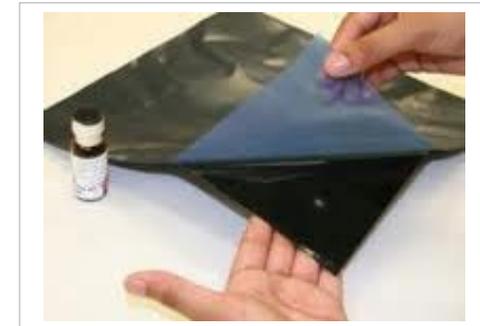
Adhesives



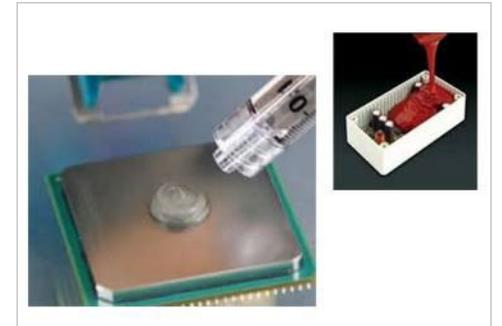
Foams, Coatings & Inks



Elastomers & Resins



Film Adhesives, Tapes & PSA



Gels, Fluids & Grease



MARKETS



REPRESENTED AREA

- Europe (Italy)

PRODUCT LINES

- Space Grade Thermostats
- Hermetically sealed Thermostats
- Automatic reset Thermostats
- Thermostats Assemblies

STANDARDS/CERTIFICATES



- EN 45545-2

Hermetically Sealed Thermostats



Space Grade
Thermostats



Hermetically sealed
Thermostats



Automatic Reset
Thermostats



Thermostats Assemblies



MARKETS

Space Defense

REPRESENTED AREA

• Europe (Italy)

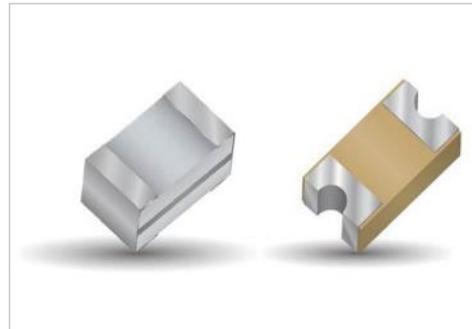
PRODUCT LINES

- Capacitors
- Inductors
- Resistive products
- Design Kits
- Thin Film Technologies

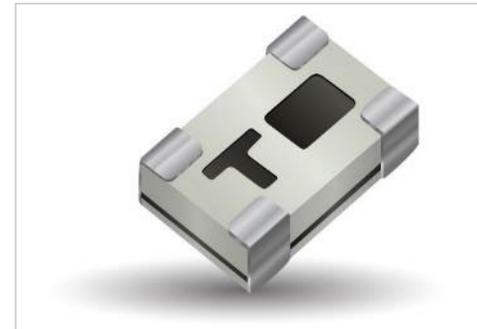
STANDARDS/CERTIFICATES



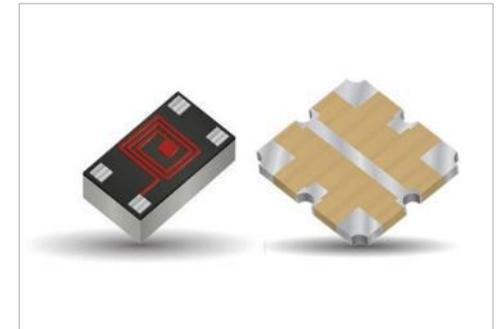
RF/MW Capacitors Thin Film Substrates



Capacitors & Inductors



Filters



Couplers & Crossovers



Resistors, Terminations & Attenuators



Connectors



MARKETS

- Space
- Defense

REPRESENTED AREA

- Central Europe (Austria, Germany, Switzerland)
- West Europe (Belgium, Netherlands, Luxembourg)

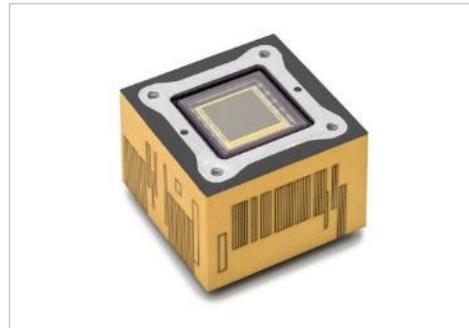
PRODUCT LINES

- Camera Heads
- Micro Systems
- Memories
- POL Converters
- Peripherals & Protection ICS
- Interfaces

STANDARDS/CERTIFICATES



3D Stacked Electronics



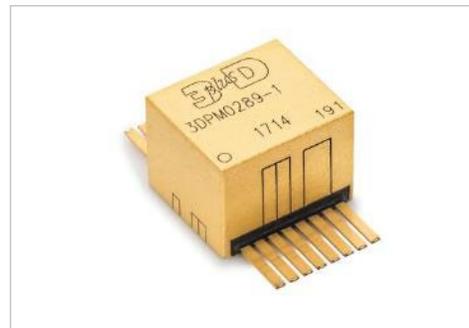
Camera Heads



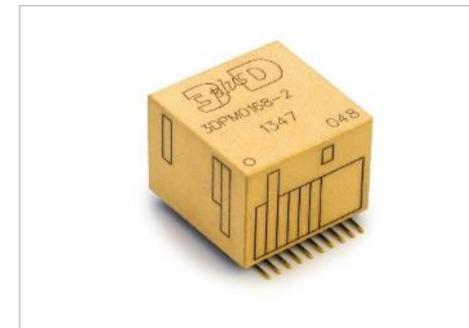
FPGA Based Computer Cores



Memories



Point-of-Load Converters



Interfaces / Peripherals & Protection ICS



Camera Systems



MARKETS

- Defense

REPRESENTED AREA

- Central Europe (Germany)

PRODUCT LINES

- Power Supplies
- DC/DC Converters
- Custom Solutions
- Power Factor Corrections
- EMI Filter and Transient Suppression Modules
- Inverters

STANDARDS/CERTIFICATES



Military Grade Power Solutions High-efficiency COTS and Custom Power Conversion



Power Supplies



DC/DC Converters



Custom Solutions



Power Factor Corrections



EMI Filter and Transient
Suppression Modules



Inverters



MARKETS

Space Defense Avionic Military

REPRESENTED AREA

• Central Europe (Austria, Germany, Switzerland)

PRODUCT LINES

- Capacitors
- Resistors
- Magnetics
- Filters
- Position Sensors
- Slip Rings

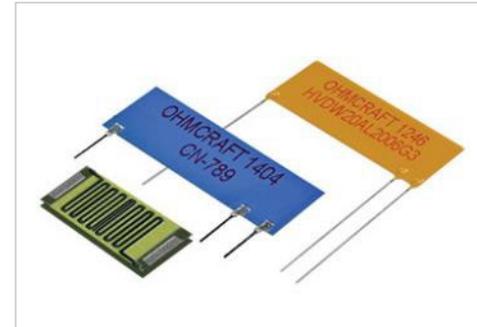
STANDARDS/CERTIFICATES



High Reliability Passive Components



Capacitors



Resistors



Magnetics



Filters



Position Sensors



Slip Rings

MARKETS



REPRESENTED AREA

- Central Europe (Austria, Germany, Switzerland)
- West Europe (Belgium, Netherlands, Luxembourg)

PRODUCT LINES

- Space Micro-D Connectors
- Space Nano-D Connector
- Micro-D Hybrid Connectors
- Nano-D Hybrid Connectors
- Space Cable Harness
- Complete Manufacturing Solutions

STANDARDS/CERTIFICATES



Nano- & Micro-Miniature Hi-Rel Electronic Connectors & Interconnection Systems



Space Micro-D Connectors



Space Nano-D Connector



Micro-D Hybrid Connectors



Nano-D Hybrid Connectors



Space Cable Harness



Complete Manufacturing Solutions

HARWIN

MARKETS

Space Defense Avionic Military

REPRESENTED AREA

- Central Europe (Austria, Germany, Switzerland)
- West Europe (Belgium, Netherlands, Luxembourg)

PRODUCT LINES

- Gecko
- Datamate
- M300
- Power Connectors
- Hybrid Connectors

STANDARDS/CERTIFICATES



Nano- & Micro-Miniature High Reliable Connectors & Cable Harnesses



Gecko



Datamate



M300



Power Connectors



Hybrid Connectors



Cable Harnesses



MARKETS



REPRESENTED AREA

- Europe
- **Except:** Andorra, Armenia, Azerbaijan, Belarus, Cyprus, Georgia, Hungary, Iceland, Liechtenstein, Monaco & San Marino

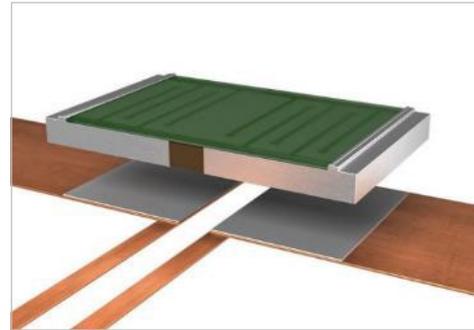
PRODUCT LINES

- Shunts

STANDARDS/CERTIFICATES



Precision Resistor



Shunts

KOLT

MARKETS

Defense Avionic Military

REPRESENTED AREA

- Central Europe (Austria, Germany, Switzerland)
- West Europe (Luxembourg)

PRODUCT LINES

- EMI Filter
- Power Modules
- Power Supplies
- Battery Charger
- DC-DC Converter

STANDARDS/CERTIFICATES



Military Grade Power Solutions High-Efficiency COTS and Custom Power Conversion



EMI Filter



Power Modules



Power Supplies



Battery Charger



DC-DC Converter

MIL-KABEL-SYSTEMS GmbH

MARKETS

 Space  Defense  Avionic  Military

REPRESENTED AREA

- Europe (for detailed countries, please see clustered country matrix at the beginning of the presentation)

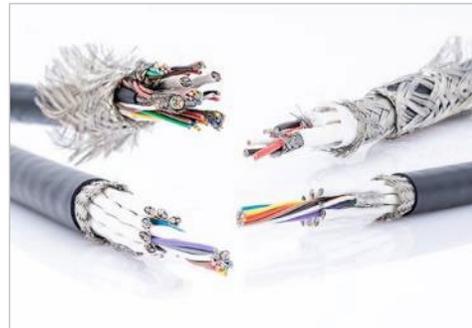
PRODUCT LINES

- Wire Harness

STANDARDS/CERTIFICATES



Special Cables, Special Lines and Cable Systems



Wire Harness



MARKETS



REPRESENTED AREA

- **Central Europe** (Austria, Germany, Switzerland, Liechtenstein)
- **West Europe** (Belgium, Netherlands, Luxembourg, France)

PRODUCT LINES

- Electric Wire Feedthrough

STANDARDS/CERTIFICATES



Hermetic Electrical and Fibre Optic Seals



Hermetic Electrical Feedthroughs + Solder Cup Pin Seals



Hermetic connectors (PAVE-Mate® I, PAVE-Mate® II, DB Connectors, Coax)



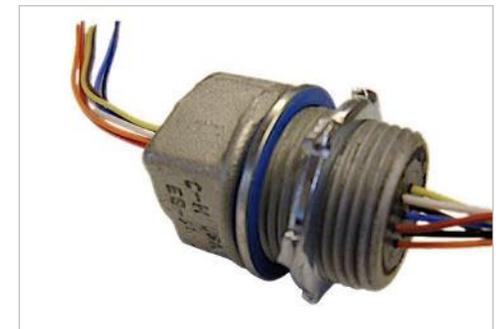
Hermetic Flat Cable Feedthrough (PAVE-Flex®)



Hermetic Fiber-Optic, Thermocouple, Terminal Seals



Hermetic High Voltage Seals



Explosion Proof Feedthrough



MARKETS

- Space
- Defense
- Avionic
- Military

REPRESENTED AREA

- Central Europe (Austria, Germany, Switzerland)
- West Europe (Belgium, Netherlands, Luxembourg)

PRODUCT LINES

- D-Subminiature Spaceflight Series
- D-Subminiature Series
- Optik-D Series Connectors
- SP MAX Series Connectors
- Hermetic Series Connectors
- Scorpion Modular Series Connectors

STANDARDS/CERTIFICATES



D-Subminiature and Rectangular Connectors



D-Subminiature Spaceflight Series



D-Subminiature Series



Optik-D Series Connectors



SP MAX Series Connectors



Hermetic Series Connectors



Scorpion Modular Series Connectors



MARKETS

Defense
 Avionic
 Military

REPRESENTED AREA

- Europe (for detailed countries, please see clustered country matrix at the beginning of the presentation)

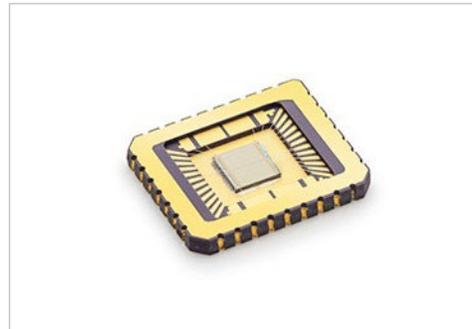
PRODUCT LINES

- SRAM
- EEPROM
- Logic

STANDARDS/CERTIFICATES



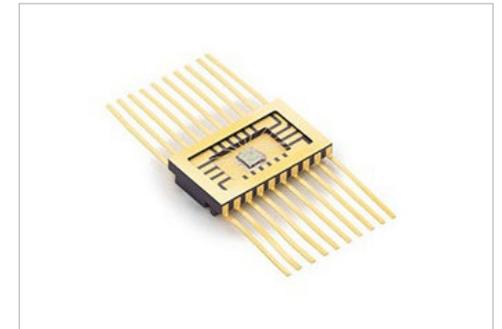
Semiconductors and Integrated Circuits



SRAM



EEPROM



Logic

RF Immunity
EMI/RFI Connectors, Filter & Power Units

MARKETS

Defense Avionic Military

REPRESENTED AREA

• Europe (for detailed countries, please see clustered country matrix at the beginning of the presentation)

PRODUCT LINES

- Filter & Lightning Protection Connectors
- Feedthrough Line Filters
- Military Cables and Harnesses
- ACON- Active converter Copper To Optic
- Custom Connectors & Adapters

STANDARDS/CERTIFICATES



Filtered Connectors, EMI-Filters and Lightning Protection



Filter & Lightning Protection Connectors



Feedthrough Line Filters



Military Cables and Harnesses



ACON- Active converter Copper To Optic



Custom Connectors



Custom Adapters

MARKETS



REPRESENTED AREA

- **Central Europe** (Austria, Germany, Switzerland, Poland, Czech Republic, Slovakia)
- **West Europe** (Belgium, Netherlands, Luxembourg)
- **North Europe** (Estonia, Finland, Sweden)

PRODUCT LINES

- Diodes
- Transistors
- TVS Modules
- Motion Control
- Rectifier
- GaN Power Bridge
- SiC Power Module
- PDU
- Solid State Relay
- Solid State Power

STANDARDS/CERTIFICATES



Semiconductors and Integrated Power Solutions



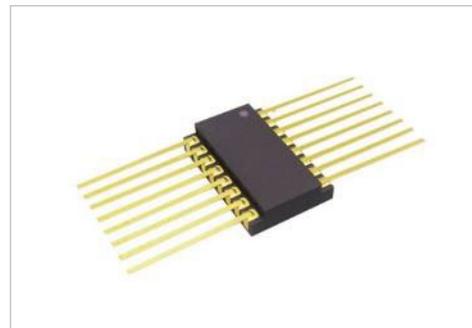
JANS QPL Diodes and JANKC Die



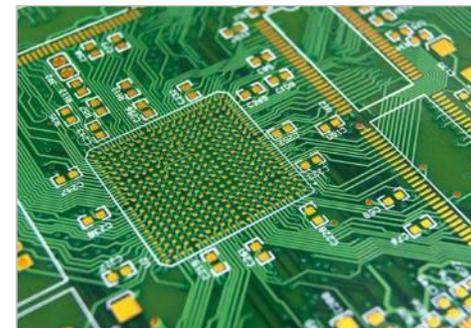
Space Schottky Diodes



Space SMD Power Diodes



Space Diode Arrays



Chip on Board Modules



Class K Custom Hybrids

MARKETS



REPRESENTED AREA

- **Central Europe** (Austria, Germany, Switzerland, Poland, Czech Republic, Slovakia)
- **West Europe** (Belgium, Netherlands, Luxembourg)
- **North Europe** (Estonia, Finland, Sweden)

PRODUCT LINES

- Diodes
- Transistors
- TVS Modules
- Motion Control
- Rectifier
- GaN Power Bridge
- SiC Power Module
- PDU
- Solid State Relay
- Solid State Power

STANDARDS/CERTIFICATES



Semiconductors and Integrated Power Solutions



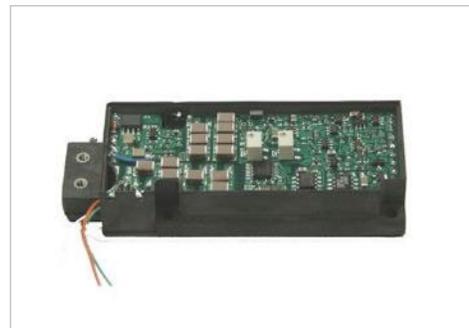
TVS Modules



Rectifier



GaN Power Bridge



Motion Control



Lightweight SiC & IGBT Power Modules



SSPC & Protection for High Voltage Relay Contacts

skeleton+

MARKETS

Space Defense Avionic

REPRESENTED AREA

- Europe
- **Except:** San Marino, Slovakia, Slovenia, Spain, Sweden, Turkey & United Kingdom

PRODUCT LINES

- Ultracapacitors
- SkelStart
- Bank of Capacitors

STANDARDS/CERTIFICATES



High-Power Storage Solutions



Ultracapacitors



SkelStart



Bank of Capacitors



MARKETS



REPRESENTED AREA

- Europe (for detailed countries, please see clustered country matrix at the beginning of the presentation)

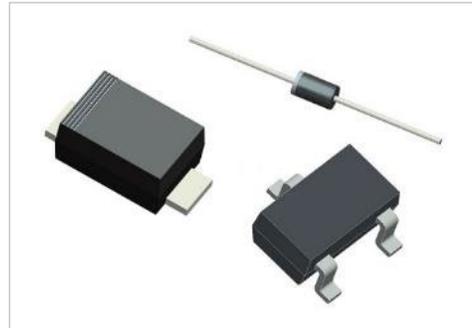
PRODUCT LINES

- Rectifiers
- Diodes
- TVS
- ESD Protection
- Power Modules
- Thyristor
- SiC MOSFET
- SiC Diodes

STANDARDS/CERTIFICATES



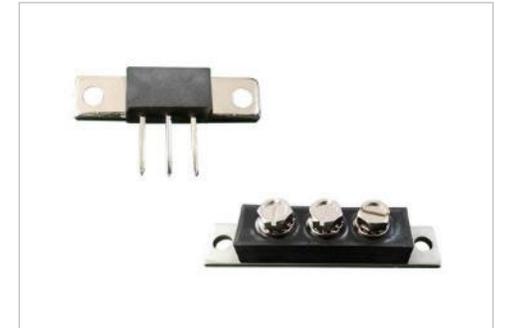
Diodes and Rectifiers



Rectifiers, Diodes & TVS



ESD Protection



Power Modules



Thyristor



SiC MOSFET



SiC Diodes



MARKETS

 Defense
  Avionic
  Military

REPRESENTED AREA

- **Central Europe** (Austria, Czech Republic, Germany, Switzerland, Poland, Slovakia)
- **West Europe** (Belgium, Netherlands, Luxembourg)
- **North Europe** (Denmark, Finland, Norway)

TEST STANDARDS

- AS6171 Testing
- AS6081 Testing
- MIL-STD-750 Electrical Testing
- MIL-STD-883 Electrical Testing

Procurement, Testing and Authentication of Electronic Components

Resistance To Solvent And Heated Solvent
X-Ray Inspection
 Scanning Electron Microscopy FTIR
Components Sourcing
Decapsulation / Die Verification
 Raman **Enhanced Visual**
Solderability **XRF**

Sourcing & Authentication

MIL-STD-883
In-House Design
Support Testing of Wide Variety of Component Types
MIL-STD-750

Electrical & Environmental Testing Services

Web-Portal Value Add
Inventory Management
Quality/Inspection
Facility

Supply Chain Assurance Services

Space & Defense Product Lines, Details & Partners

 ADR SAS Homepage 📍 France	 AJ'S Power Source Homepage 📍 USA	 by Honeywell CAES SYSTEMS LLC Homepage 📍 USA	 Cincon Homepage 📍 Taiwan	 Comepa Homepage 📍 France	 ELVIA Homepage 📍 France
 Esterline Research and Design Homepage 📍 USA	 EVERAXIS Homepage 📍 Sweden	 Excelitas Homepage 📍 USA	 Exens Solutions Homepage 📍 France	 FEMSAN Homepage 📍 Turkey	 FLUX Homepage 📍 Denmark
 Frontgrade Homepage 📍 USA	 Frontgrade Gaisler Homepage 📍 Sweden	 KYOCERA AVX Homepage 📍 USA	 Lerity Homepage 📍 France	 MV Electronics Homepage 📍 USA	 NuSil Homepage 📍 USA
 Teledyne - Qioptiq Aerospace & Defense Electronics Homepage 📍 United Kingdom	 SEALEVEL Homepage 📍 USA	 SILICON POWER Homepage 📍 Taiwan	 SRT Microceramique Homepage 📍 France	 SRT Resistor Technology Homepage 📍 Germany	 State Of The Art Homepage 📍 USA
 Steliau Technology Homepage 📍 France	 Synergy Homepage 📍 USA	 TTE Filters Homepage 📍 USA	 U-Blox Homepage 📍 Switzerland		

Space & Defense Product Lines, Details & Partners

 <p>3D PLUS Homepage 📍 France</p>	 <p>EATON Powering Business Worldwide Homepage 📍 Germany</p>	 <p>Exxelia Homepage 📍 France</p>	 <p>HARWIN Homepage 📍 United Kingdom</p>	 <p>KOLT Homepage 📍 Turkey</p>	 <p>Omnetics CONNECTOR CORPORATION Homepage 📍 USA</p>
 <p>PAVE Pressure And Vacuum Electronics Homepage 📍 USA</p>	 <p>Positronic an Amphenol company Homepage 📍 USA</p>	 <p>Pyramid Semiconductor Homepage 📍 USA</p>	 <p>RF Immunity EMI/RFI Connectors, Filter & Power Units Homepage 📍 Israel</p>	 <p>Skeleton Homepage 📍 Estonia</p>	 <p>Sensitron Semiconductor YOUR POWER SOLUTIONS PROVIDER Homepage 📍 USA</p>

What We Sell in DACH Territories

ACTIVE COMPONENTS

- DDR3 & 4 Memories
- Flash Memories
- Diodes
- Rectifiers
- TVS Arrays
- Power Modules
- Thyristor

PASSIVE COMPONENTS

- Capacitors
- Filters
- Magnetics
- Potentiometer
- Resistors
- Shunts
- Chokes
- Inductors
- Toroid
- Transformers

INTEGRATED SOLUTIONS

- TVS Suppressors
- DC-DC Converters
- Brick Modules
- Packaged brick
- High Power
- EMI Filters
- Brick Modules
- AC-DC Power Supply
- DC-DC Power Supply
- AC-DC Power Modules
- UPS System
- Solid State Power Controllers
- Power Distribution Units
- GaN Power Bridge Modules
- EMC-Shielding

INTERCONNECT

- Nano & Micro-D
- Micro & Nano Circulars
- IP68 Micro Circulars
- IP68 Nano Circulars
- D-Subminiature
- Rack & Panel
- Power & Signal Hybrid connector
- Circulars
- Signal Connectors
- Power Connectors
- Hermetic Seals
- Wide Range of Standard Connectors with Integrated EMI Filters

WHERE INNOVATION MEETS RELIABILITY

Thank you
for your attention !

Keep in touch !



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Steliau-hirel.com



Hi-Rel Solutions by Steliau Technology

