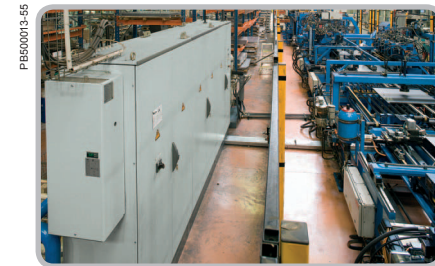# Industry and infrastructure offer
A material for every environment

The Spacial range in steel (wall-mounting, monobloc and suitable floor-standing enclosures).

The Spacial range in stainless steel (wall-mounting, monobloc and suitable floor-standing enclosures).

The Thalassa range (boxes, wall-mounting and floor-standing enclosures).

The Thalassa PHD and Spacial S3HD and SFHD ranges (wall-mounting and floor-standing).

ClimaSys Thermal Management

Spacial metal enclosures and boxes
> Steel
Indoor non-clean industrial environment
The industrial environment in mechanical plants is especially demanding as regards the protection of electric and electronic components against dust, splashing with oil and impacts. This environment therefore requires a range that is suited to the applications and easy to implement.
- **Standard range,** for industry.
- **E.M.C. range,** against electromagnetic disturbances (treated with Aluzinc).
- **Range of ATEX enclosures,** for potentially explosive atmospheres.

> 304L - 316L stainless steel
Demanding industrial environment
Food and beverage, pharmaceutical, petrochemical and infrastructure industries are particularly demanding in terms of hygiene and resistance to corrosion.
With two grades of stainless steel:
- **304L stainless steel:**
 Resistance to corrosion and cleanability (often used in food production environments).
- **316L stainless steel, also known as "marine stainless steel":**
 Very high resistance to corrosion (saline or chlorinated environment).
- **Range of ATEX enclosures,** for potentially explosive atmospheres.

Thalassa insulating enclosures
> Insulating polyester and plastic materials (ABS, polycarbonate)
Infrastructures and industrial environments
Outdoor infrastructures and electrical installations are exposed to direct sunlight, rain, saline mist, extreme temperatures, oil splashes, chemical and corrosive agents.
- **Standard range,** for industry and infrastructures.
- **Range of ATEX enclosures,** for potentially explosive atmospheres.

> Heavy duty materials New
Severe outdoor environments, generally requested by OEMs, telecom, water treatment and transportation
- Polyester Heavy Duty is suitable for outdoor public areas thanks to its multiple virtues:
 – pressure and shock resistant (IEC 61439-5: 2010),
 – anti-posting thanks to its special ribbed-surface door,
 – insulated (ready to be Class II according to IEC 61439-1: 2011).
- Steel Heavy Duty enclosures are designed for outdoor private areas:
 – they are engineered to resist aggressive environments (anti-corrosion certification class C4H, ISO 12944:1999).

> ClimaSys Thermal Management
Preserving and keeping the right temperature inside your enclosure is vital for maximizing the lifetime of your installed devices.
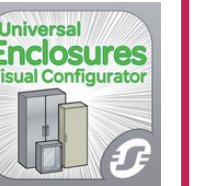With our ClimaSys offer you can find the right solution, be it ventilation, cooling or heating, including control units for temperature, humidity and much more.

Life Is On Schneider Electric

Spacial offers overview

Steel	**Stainless-steel**

Boxes
- SDB Derivation boxes and small enclosures
- SBM Steel industrial boxes
 - SBMC FL21 Entry box
 - SBMB Bus box
- **Characteristics**
 - From 85 x 85 x 49 to 400 x 800 x 120 mm
 - IP55 or IP66
 - Up to IK10

Wall-mounting
- S3DC Wall-mounting steel
 - S3D 19" enclosures
- CRN Wall-mounting steel
 - CRN 19" enclosures
 - S3DB Terminal enclosures
 - S3DBFL Terminal enclosures with FL21 cut-out
 - S3DM Distribution modular enclosures
 - VDM 19" enclosures
 - S3DEX Potentially explosive atmospheres
 - S3HF Electromagnetic compatibility
 - S3D 6G, S3D 6G K3 Seismic and nuclear enclosures New
- **Characteristics**
 - From 300 x 200 x 150 to 1400 x 1000 x 300 mm
 - Up to IP66
 - Up to IK10

S3X Wall-mounting
 - S3XEX Potentially explosive atmospheres
- **Characteristics**
 - From 300 x 200 x 150 to 1400 x 1000 x 300 mm
 - Up to IP66
 - Up to IK10

Floor-standing
- SM Floor-standing compact
 - SMHF Electromagnetic compatibility
- SF Floor-standing suitable
 - Electronic application
 - Automobile application
 - SFM Motor control centers
 - SFP Prisma application
 - SFHF Electromagnetic compatibility
 - SF 5G, SFP 5G Seismic and nuclear enclosures
- **Characteristics**
 - From 1200 x 600 x 300 to 2200 x 1600 x 800 mm
 - IP55
 - Up to IK10

SMX Floor-standing monobloc
SFX Floor-standing suitable
- **Characteristics**
 - From 1200 x 600 x 300 to 2200 x 1600 x 800 mm
 - IP66
 - Up to IK10

Outdoor
- S3HD Wall-mounting Heavy Duty enclosures New
- SFHD Floor-standing Heavy Duty enclosures
Spacial S3HD and SFHD are engineered to resist aggressive environments (anti-corrosion certification class C4 H, ISO 12,944).
Options
Ventilated plinths, roof ventilation module, slim fanbox, Heavy Duty fixings.
Why should I choose it?
Designed to resist in outdoor private areas.
- **Characteristics**
 - From 300 x 200 x 180 to 2000 x 800 x 630 mm
 - Up to IP66
 - IK10

Interface Human-Machine
- S3CM Control enclosures with suspension system
- SD Compact control desks
- SDF Control desks with console
- SF PC rack

SDX Control desk
SMX PC rack

ClimaSys Thermal management
- CV Ventilation Systems
- CA Natural airing
- CE Exchangers
- CU Cooling Units
- CC Thermal Control
- CR Resistance Heaters

Thalassa offers overview

Insulating materials

Details and technical datasheets available on schneider-electric.com

Boxes
- PLS Insulating modular boxes
- TBP Polycarbonate industrial boxes
- TBS ABS industrial boxes
- **Characteristics**
 - From 74 x 74 x 54 to 540 x 720 x 230 mm
 - Up to IP66
 - Up to IK09

Wall-mounting
- PLM Wall-mounting polyester
 - PLMEX Potentially explosive atmospheres
- **Characteristics**
 - From 308 x 215 x 160 to 1056 x 852 x 350 mm
 - Up to IP66
 - Up to IK10

Floor-standing
- PLA Floor-standing polyester enclosures
- PLD Floor-standing DIN polyester enclosures
- **Characteristics**
 - From 500 x 500 x 320 to 1500 x 1250 x 420 mm
 - Up to IP65
 - Up to IK10

Outdoor New
- PHD Polyester Heavy Duty enclosures
Thalassa PHD has multiple virtues:
- pressure and shock resistant (IEC 61439-5),
- anti-posting thanks to its special front door,
- insulated (Class II).
Options
Anti-burglary accessory, ventilated plinths, roof ventilation module, slim fanbox.
Why should I choose it?
Suitable for harsh environments in outdoor public areas.
- **Characteristics**
 - From 500 x 500 x 320 to 2000 x 750 x 420 mm
 - Up to IP65
 - IK10

Accessories
- Mounting
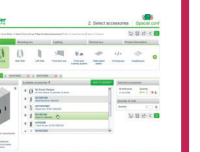- Power distribution
- Cable management New

softwares

Universal Enclosures Visual Configurator

Digital Rules Enclosures selector

ProClima Thermal calculation software

Spacial.conf Services configurator

Project & Services
- Configured offer — Adapted services: cut-outs, painting, assemblies…
- Specific offer — The co-development service tailor-made for you

Spare Parts
- Fixing hardware