

Outdoor aluminium enclosures and cabinets

Cabinets – Outdoor ServicePLUS



configuration

Components can be varied and combined freely

Simple. Fast. For the product you want.

- Enquiry form for outdoor cabinets
 - Various interior and exterior dimensions
 - Degree of protection
 - Determining of the cooling capacity
 - Cooling concept



solution

Integration and custom developments

Simple. Fast. From one source.

- Heat simulation on FLOTHERM model and calculations by experts
- Special sizes, customised solutions



academy

Knowledge transfer and partnership

Knowledge. Sharing. Partnerships.

- Seminars, white papers, CAD drawings, test reports, user reports



lifecycle

Flexible support throughout the product lifecycle

We are with you. For the entire product life.

- Delivery to point of use, installation service, exchange service, maintenance, repair, replacement parts, recycling

ServicePLUS: solution - telecommunications project examples



Mobile telephony base station

- Mobile telephony base station with energy supply in one cabinet
- BTS connection via special cable routing in top element
- Based on the "modular" concept, the cabinet can be upgraded with various pre-defined "kits"
- Cooling either via fresh-air inlet (air filtered fan) or, in other cabinet variants, using an air conditioner



Mobile telephony power supply

- Cabinet for power supply to mobile telephony base stations
- Based on the "modular" cabinet concept with a special top panel design for cabling; can accept both 19" and 21" wide devices
- Heat exchanger in the front door
- AC/DC power distribution installed laterally beside 19" plane

Wimax

- Base station for Wimax applications
- "Unibody" concept with special base for easy assembly at installation site
- Fresh air inlet via air inlet filter
- Additional components such as cabinet heater and door contact switch factory preinstalled

ServicePLUS: solution - telecommunications project examples



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VDSL fixed network

- VDSL distribution cabinet
- Case based on a "modular" frame and double-walled outer cladding
- Cooling via controlled fans in case top panel. Airflow is only between the double walls; the device area remains sealed
- Separate stainless steel base with space for batteries and cable ducting



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Battery cabinet

- Cabinet to power mobile telephony stations
- Based on the "modular" cabinet concept with the option of accommodating both 19" and 21" wide devices
- Direct cooling via fresh air introduced into the interior via an air filtered fan
- Fitting and connection of additional components e.g. smoke detector, door contact switch etc



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Triple Play

- Distribution cabinet for fibre-optic cables (FTTN/FTTH)
- Ex works with power supply, backup batteries and safety devices
- Design outdoor "Modular"
- Combined cooling with air conditioner and additional internal air circulation

**ServicePLUS: solution - project examples: measurement technology,
rail and transport engineering**



Meteorology

- Compact, robust case for recording measured data in thunderstorms and strong winds
- Outdoor "Unibody" for mast mounting
- Climate control based on an additional fan in the gap between the dual walls
- A controllable heater can be added for use in freezing conditions



Voltage monitoring (railway)

- Voltage monitoring on overhead cables
- Construction based on "unibody" concept, for wall or mast mounting
- Energy-saving, noiseless cooling by convection between the double walls

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Measurement technology on the rails

- Safety measurement device to detect the wheel temperature of passing trains
- Positioned very close to the tracks, thus requires robust vibration-proof design to IEC 61963
- Construction based on "modular" concept; the devices are mounted on a swing frame
- Heat dissipation via side-mounted air conditioner

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