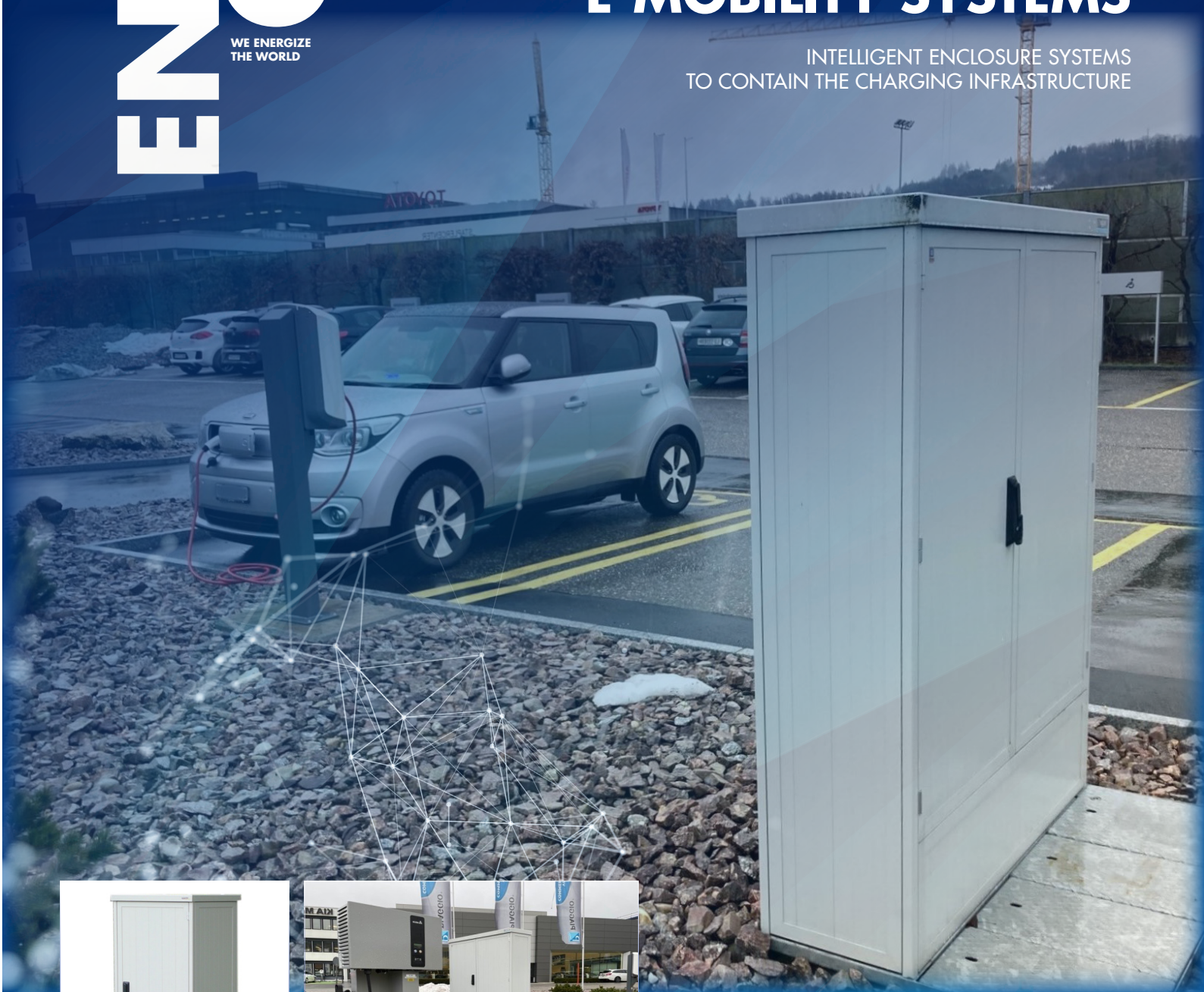


ENERGY

WE ENERGIZE
THE WORLD

ENCLOSURES FOR E-MOBILITY SYSTEMS

INTELLIGENT ENCLOSURE SYSTEMS
TO CONTAIN THE CHARGING INFRASTRUCTURE



ALMATEC
KNILL GRUPPE

ENCOLOSURES FOR E-MOBILITY SYSTEMS



Almatec offers a wide range of enclosure systems to protect your valuable battery charging infrastructure. From substations to charging points, we offer the right enclosures for all your needs.

Solutions can be customised from lot size one. The designs of our enclosures are flexible so that they can be adapted to local conditions; they are also available in a variety of sizes and colours.

Safe and secure. These enclosures feature impressively strong frames made of torsion-resistant aluminium profiles. Their robust construction is exceptionally resistant to vandalism. Resistance Class RC2 can also be provided by request.

Durable. We protect your investment in a number of ways. Our enclosures are secure against rodents and wilful damage. Powder-coated aluminium protects enclosures against corrosion, even when they are sited in harsh conditions.

Tailor-made to the millimetre. We combine design with flexibility – and we use our profile technology to take optimum advantage of the available space. Whether our enclosures are installed on the floor, wall, pole or soil, they always fit in place perfectly. You specify your site conditions – we customise your enclosure to suit, to the millimetre.

Installation. We have extensive experience of installing our enclosures in a broad range of different environments – from mountains to inner cities, in the ground or on a pole. We organise the logistics to ensure prompt delivery.

Climate-controlled by design. Climatic fluctuations and powerful technical performance generate much heat within an enclosure. Our impressive solutions incorporate cleverly-designed heat dissipation features to suit a wide spectrum of applications. Heat exchangers, air conditioners, filter fans and head fans all result in a highly efficient overall package.

Enclosures for sub-distribution systems

1

Outdoor enclosure type ANK. The strengths of this enclosure are its security, flexibility, and durability. The double walls of our ANK enclosure provide long-lasting protection against extreme weather conditions, vandalism, and intrusion.

Construction features:

- Strong, distortion-proof profile technology
- Double-walled design, manufactured from hollow aluminium profiles
- Passive heat dissipation provided by natural convection
- Integral, all-round slide planes

Protection:

- IP 55 to EN 60529
- IK 10 to EN 62208
- Shock, transportation, and vibration to ETS EN 300-01
- Seismic test to ETS EN 300-019-2-4
- RC2 intrusion protection no request (ASK type enclosure)

Surface finish:

- Textures powder coating
- Anti-graffiti available on request

Dimensions:

- Width from 250 mm in 25-mm-steps
- Height from 250 mm in 1-mm-steps
- Depth from 250 mm in 25-mm-steps
- Customer-specific fabrication

2

The appropriate cable shaft system. Vast numbers of cables and conductors are brought together inside these enclosures. Our underground shaft system allows you to keep them all under control; incoming and outgoing conductors can easily be fed in and organised within the shaft beneath the enclosure.

- Can be used as a shaft underneath or in front of the cabinet
- Height-adjustable
- Multi-section covers are available for the shaft
- Vandalism protection (lockable cover)



This could be your enclosure:

RAL	7035
Cabine width	1200mm
Cabine height	1400mm
	Total height incl. roof 1435mm
Cabine depth	500mm
Cover design	Flat cover, retractable
Doors	Double door with door stop Single swivelling lever handle, ready-prepared cylinder
Front section	Positioned below, 300mm high
Floor	Vapour barrier mat prepared for shaft system
Accessoires	Pocket for schematic diagrams LED Lamp with socket and door contact switch Compact fan heater, 250 watt Thermostat

Configure your enclosure to suit your requirements!

Basic infrastructure enclosure

1

High-volume enclosures to accommodate the components (transformers, inverters, etc.) required for connection to the MV or LV electric power network.

Tailor-made and flexible. Like all our other enclosures, the large capacity cabinets can also be configured and extended in a variety of different ways.

Easy to install. The low density of aluminium makes these Almatec cabinets easy to transport, install and reconfigure.

Robust. Our aluminium enclosures are not just light – they are also extremely robust. The profile technology we use is highly resistant to torsion forces.

2

These enclosures can be flexibly used for switching, control, metering, or distribution purposes, and in indoor or outdoor applications. Flexible, secure, and made to measure.

Clever profile technology. The enclosures are fitted with all-round slide planes so that you can install equipment easily. The profiles also add great strength to the enclosure with very little weight.

Appropriate accessoires. Almatec also offers additional items, such as various mounting plates, profiles and standard components. Electrical accessories, such as fans, heaters, door contact switches etc. are also included in the wide range of available items.



Made to measure, especially for you

Specific dimensions, cut-outs or extensions?

Just contact us and ask!

Our customers' wishes are always met.



Enclosures for charging stations

1 Charging station for electric cars. E-mobility is growing rapidly in importance. Our enclosures protect your charging station.

2 Charging station for e-bikes. The demand for e-bikes has rocketed dramatically over the past few years. Our enclosures offer compact solutions to complement your project.

Design. Use your own choice of RAL or design film to lend your charging station its own unique appearance.

Location and installation. Directly on the ground or elevated on a stand, or even fixed to the wall. We will find the right solution to suit your requirements.



Flexible. Enclosure made of sheet metal or profile construction Available in a range of sizes and protection categories. We can help solve your requirements.

Enclosures from Almatec.
Flexible, secure and custom-made.



Turnkey Solution

From empty enclosure to turnkey solution -
We realise your project with our long-standing partner!

Get the maximum out of it!

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