



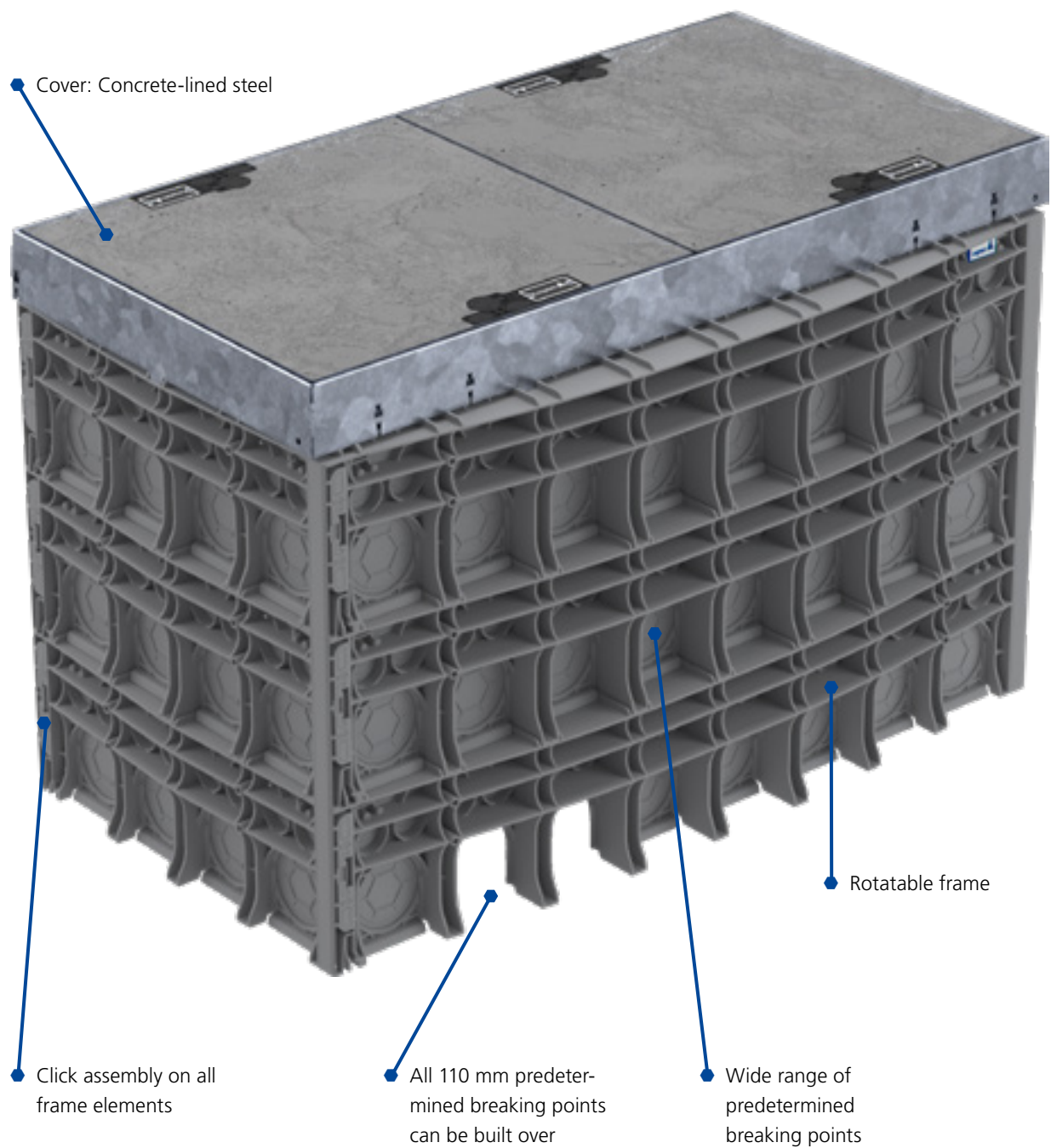
**XeBo<sup>®</sup>**

**The one with the click**

# XeBo – The one with the click

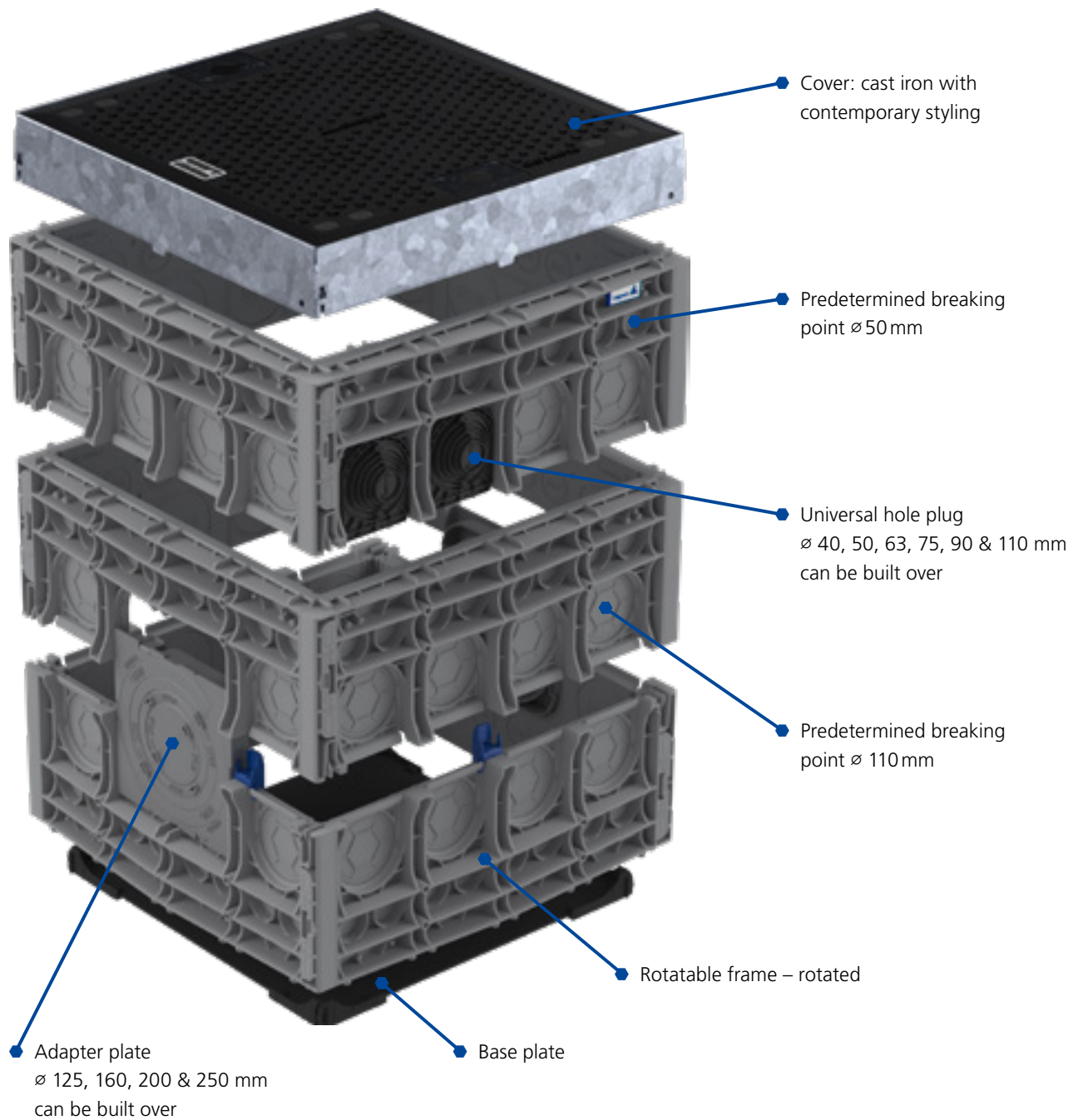
XeBo<sup>®</sup>

600 x 1200



# XeBo®

## 600x600



## The XeBo: The new 'easy'

Langmatz is launching a new generation of manholes with the XeBo, a range specifically developed to meet the requirements of modern and efficient excavation.

It is the result of over 35 years of experience with the QaBo – the European gold standard in polycarbonate manholes – and was developed with a clear objective: maximum flexibility and ease of use.

The XeBo was conceived as a safe and secure cable draw and access manhole for the distribution of data and energy infrastructure.

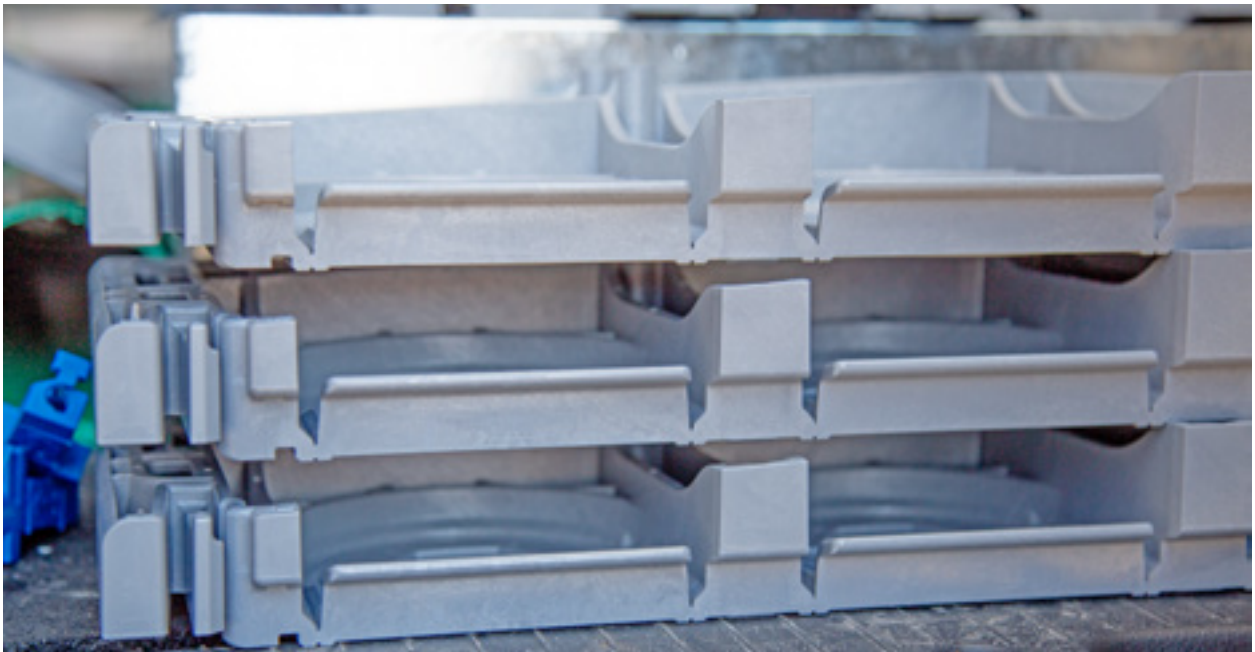
### Polycarbonate material and 3D ribFrame® technology

Langmatz uses a modified polycarbonate for load-bearing elements of the manhole body with:

- Good rigidity and strength
- Thermal dimensional stability
- Good UV and weather resistance
- Good chemical resistance
- Multi-recyclability

3D-ribFrame® technology forms a spatial rib and honeycomb system in the walls. This leads to:

- Even load transfer from the cover to the manhole body
- Good rigidity of the manhole body



- Frame elements are simple to stack and easy to transport



- XeBo 600x1200 – Its light weight enables it to be installed in the foundation pit piece by piece – no need for heavy lifting equipment



- The XeBo can withstand loads up to class C250



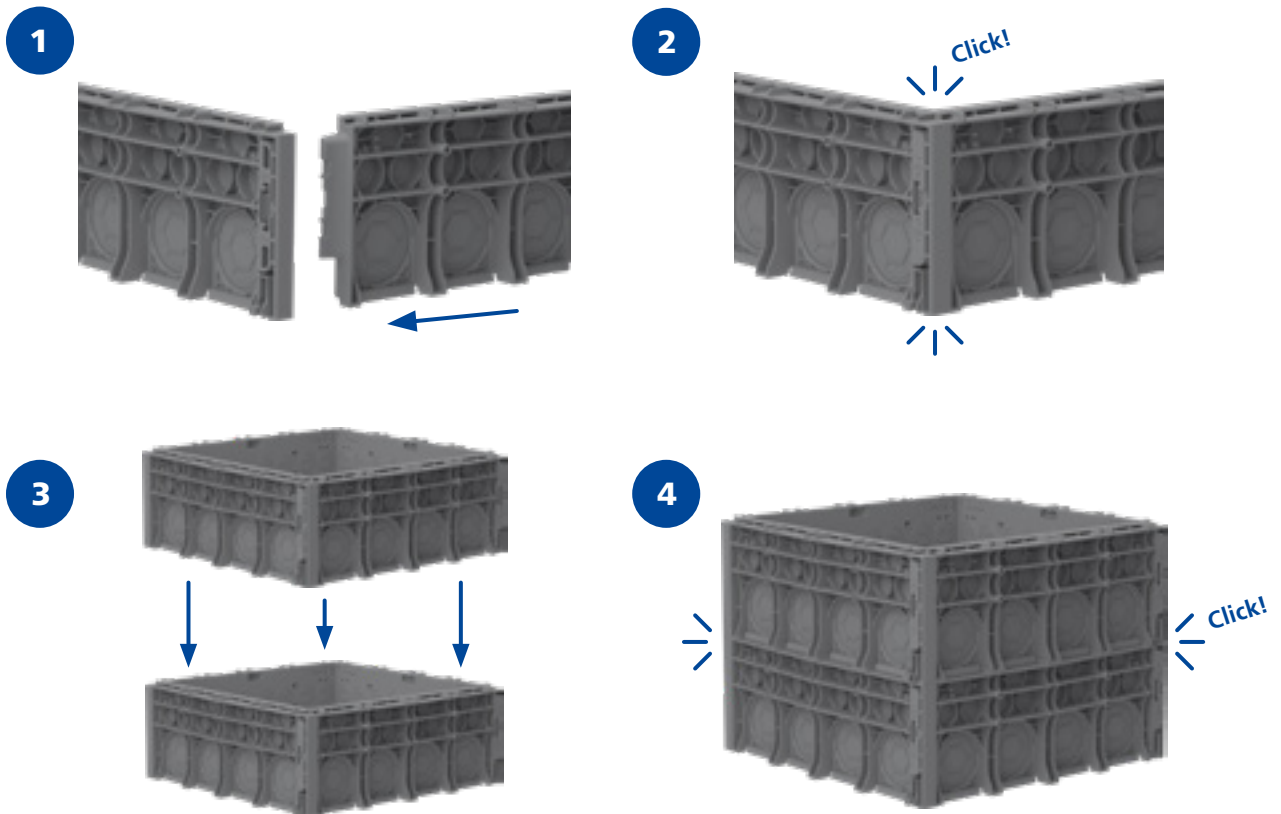
# XeBo: Key innovations

## Revolutionary click system – installation re-imagined

The fully integrated click system provides for fast, simple and safe installation – totally without the need for additional components or tools. This reduced workload obviates the need for extensive training and ensures especially easy and efficient installation and dismantling directly on site.



● A simple pull is enough



### MORE HIGHLIGHT FEATURES

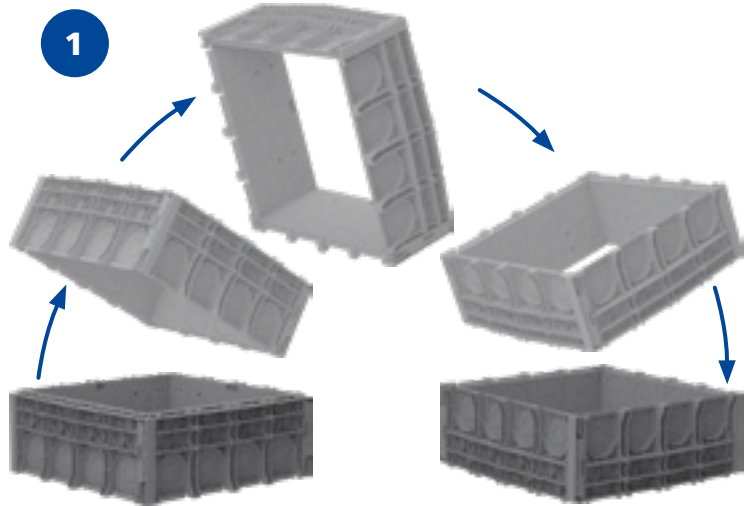
- Further weight reduction of the cover, frame and body
- Technical Assessment (ETA 26/0223 for PC) based on a European Assessment Document (EAD), confirmed by the European Organisation for Technical Assessment (EOTA)
- Flexible manhole depth of up to 1.1 m (4 frames + covers)



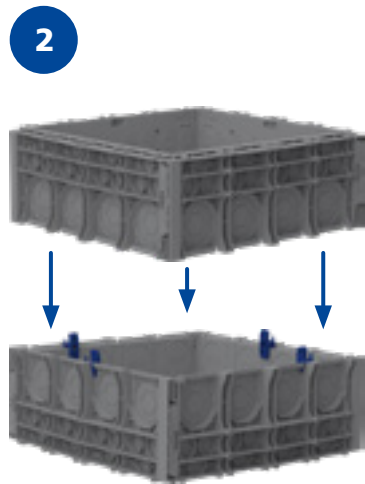
- Standard steel frame including damping pad for stable and compatible construction; can be used for concrete and cast-iron covers

# Rotatable frame for maximum flexibility

- Provides for easy adjustment to real installation situations without planning compromises
- Maximum variability of cable ducts
- Ease of planning, thanks to universal 250 mm-high elements
- Rotatable frame to combine multiple pipe inlets into one large inlet
- Decisions about the size of the inlet can be made on site

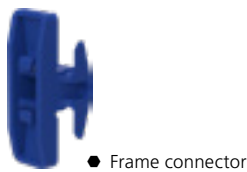


- Rotating the lower frame enables pipe bundles and pipes with larger diameters to be inserted



Installation could not be easier:

- Frames are simply connected with frame connectors



Rotated frame options:

- Installation of the variable adapter plate
- Composite pipes



- Universal hole plugs enable  $\varnothing 40$  mm to  $\varnothing 110$  mm to be built over

## VARIABLE PREDETERMINED BREAKING POINTS

- Integrated  $\varnothing 50$  mm and  $\varnothing 110$  mm predetermined breaking points
- $\varnothing 110$  mm combined predetermined breaking point, which can be built over, on all levels for versatile connection options
- With optional adapter plate up to  $\varnothing 250$  mm



- One tap with a hammer suffices

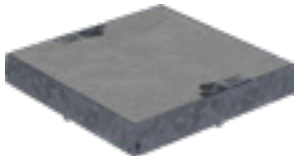


# Covers

Manhole covers for XeBo polycarbonate manholes are tested to load class C250 in accordance with DIN EN 124, and were developed to be simple and fast to use.

## Areas of application:

- Surfaces occasionally driven over by vans or cars
- Typical installation locations: car parks, gutters in vehicle traffic areas



### Concrete-lined steel:

- Sits stable in the frame, thanks to its weight and dual locking mechanism
- Withstands loads up to class C250



### Cast iron:

- Unique design, lightweight, easy to lock and can withstand loads up to class C250
- Optional swivel function also available

## OPTIONAL ACCESSORIES



● Base plate



● Height adjustment



● Adapter plate  
ø 125, 160, 200 & 250 mm



● Universal hole plug  
ø 40, 50, 63, 75, 90 & 110 mm



● Locking mechanisms: Internal and external hex head, LIC-LOCK & COLT/Telenet/OTC

## XeBo® 600 x 600

### ● Technical data

Clear dimensions	600 x 600 mm
External dimensions	720 x 720 mm

Cover	Concrete-lined steel	Cast iron	Cast iron swivelling
Load class	C250	C250	C250
Cover (complete)	94.0 kg	58.0 kg	60.0 kg
Cover	78.0 kg	42.0 kg	42.0 kg
Steel frame	16.0 kg	16.0 kg	16.0 kg
250 mm frame (per unit)	8.5 kg	8.5 kg	8.5 kg
Base plate (optional)	2.0 kg	2.0 kg	2.0 kg

## XeBo® 600 x 1200

### ● Technical data

Clear dimensions	600 x 1200 mm
External dimensions	790 x 1320 mm

Cover	Concrete-lined steel	Cast iron	Cast iron swivelling
Load class	C250	C250	C250
Cover (complete)	178.0 kg	106.0 kg	110.0 kg
Cover (per unit)	78.0 kg	42.0 kg	42.0 kg
Steel frame	22.0 kg	22.0 kg	22.0 kg
250 mm frame (per unit)	14.0 kg	14.0 kg	14.0 kg
Base plate (optional)	4.0 kg	4.0 kg	4.0 kg

**We will gladly send you further detailed product information for your planning.**

Please contact your local Langmatz representative or our head office.  
Many data sheets and other information can be found on our website:

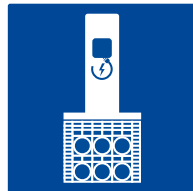
**[www.langmatz.de](http://www.langmatz.de)**



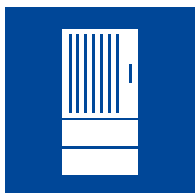
Polycarbonate manholes



Underground distribution systems



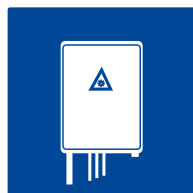
Foundations and columns



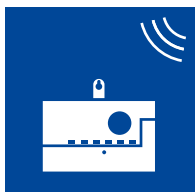
Outdoor cabinets & outdoor pedestals



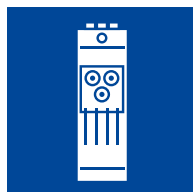
Building cable & pipe entry systems



Optical distribution and termination boxes



Radio ripple control receivers



Fuse boxes

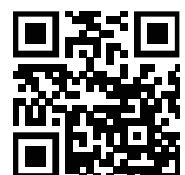


Signal requesting devices

## **Langmatz GmbH**

Am Gschwend 10  
82467 Garmisch-Partenkirchen  
Germany

Phone: +49 8821/920-0  
Fax: +49 8821/920-159  
Email: [info@langmatz.de](mailto:info@langmatz.de)



[www.langmatz.de](http://www.langmatz.de)