

We provide strength and stability
in an ever-changing world.



Who we are – Supplier for precast concrete industry



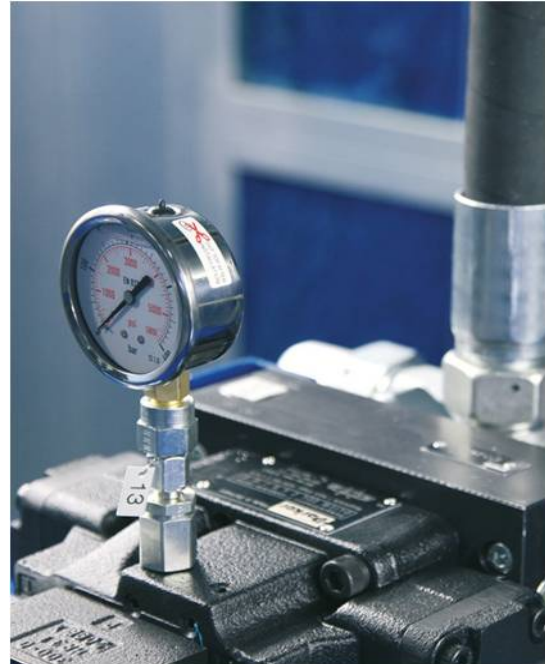
Our divisions

PHILIPPGRUPPE

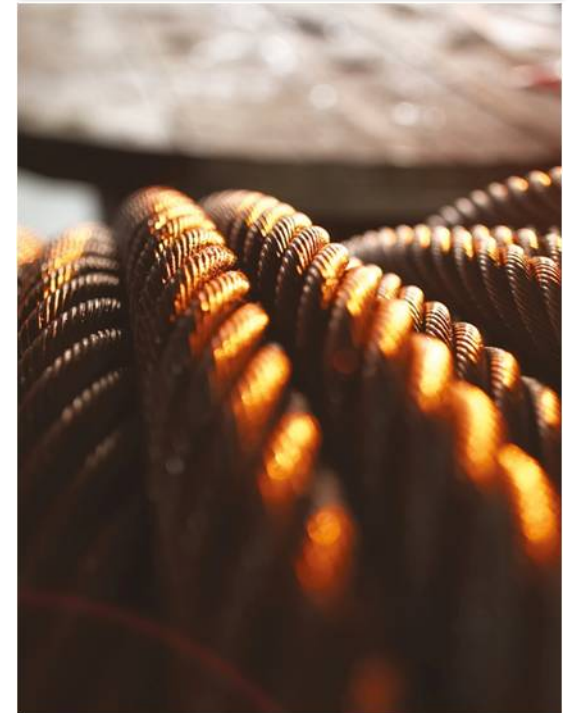
**Transport and mounting systems
for precast concrete industry**



**Hydraulics, pneumatics,
aggregate and cylinder
construction**



Lifting and lashing technology



What we produce – Mounting parts

**Systems for lifting of
precast concrete
elements**

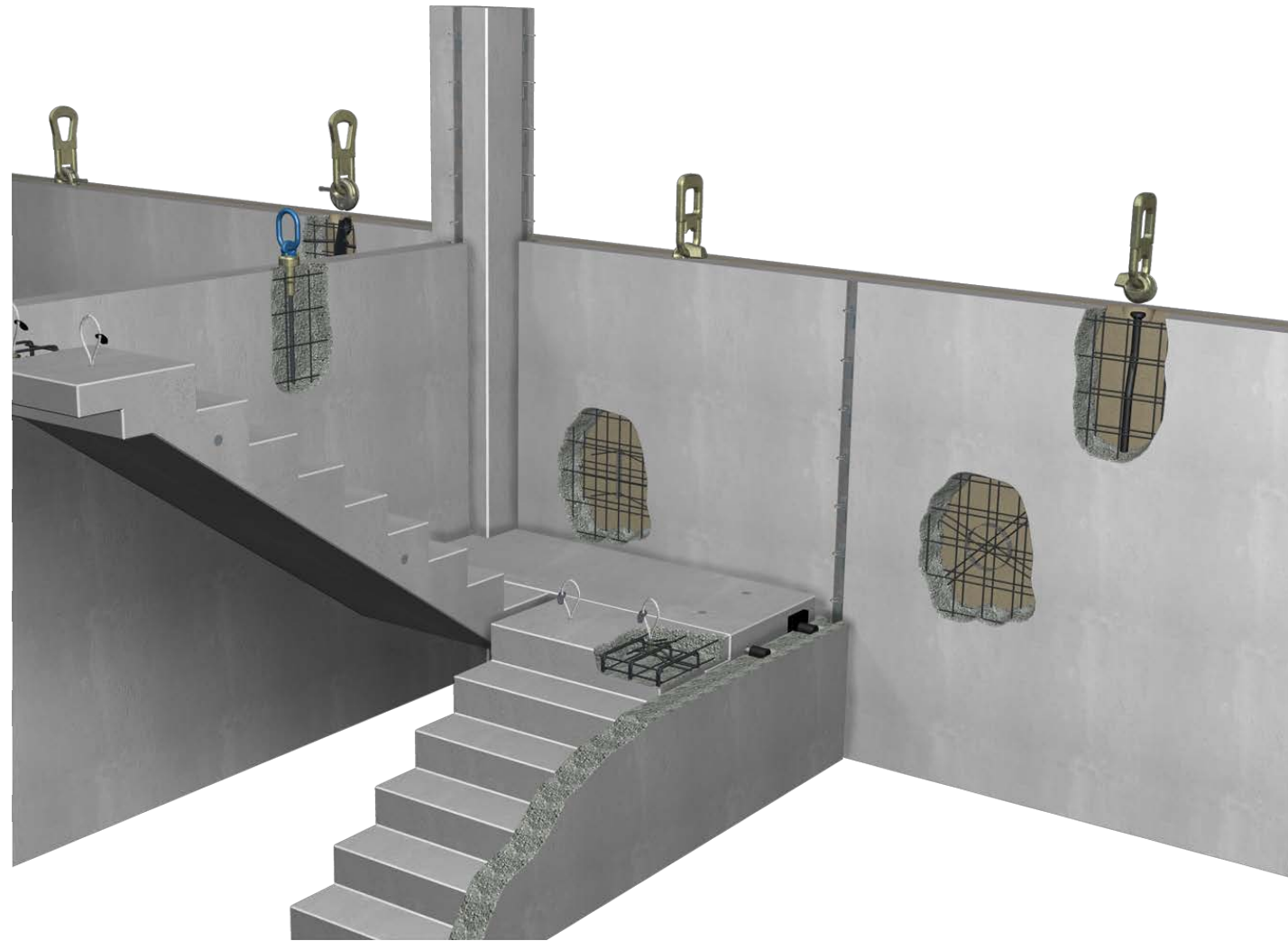
Facade technology

Connection technology

Noise reduction system

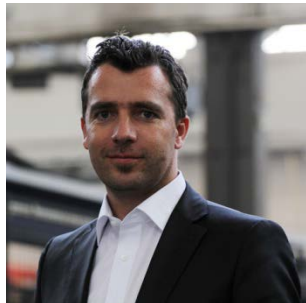
Fixing technology

Earthing technology



Our professionals

**About 300 professionals work at PHILIPP daily hand in hand.
As a big team they realise projects and push further developments.
Here, the direct dialogue with colleagues and customers is in the focus.**



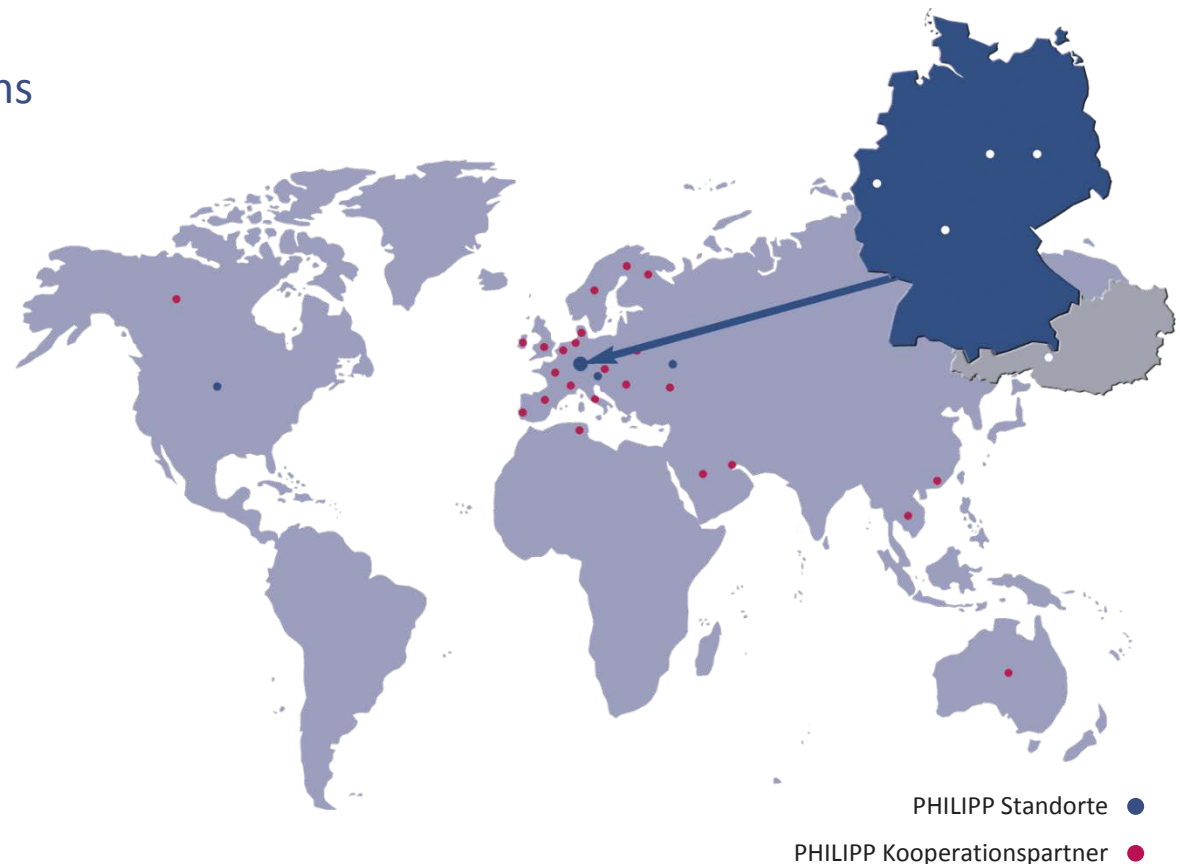
Our locations

We think internationally, we are Europeans and have German roots.

More than 30 sales cooperations worldwide.

Four German locations in Aschaffenburg, Neuss, Coswig and Dardesheim.

Own subsidiaries in Austria, USA, Australia and Russia.



What means BIM?

“Building Information Modeling (BIM) is a digital representation of physical and functional characteristics of a facility. A BIM is a shared knowledge resource for information about a facility forming a reliable basis for decisions during its life-cycle; defined as existing from earliest conception to demolition.”

Source: National Building Information Model Standard Project Committee (NBIMS)

BIM must not be equated only with the pure 3D building model!!!

Building data base

- 2D plane design, plan
- 3D three-dimensional design, model
- 4D + Time (construction time model)
- 5D + Quantities and costs (cost model)
- 6D + Product Lifecycle Management
(building utilisation, demolition, recycling)

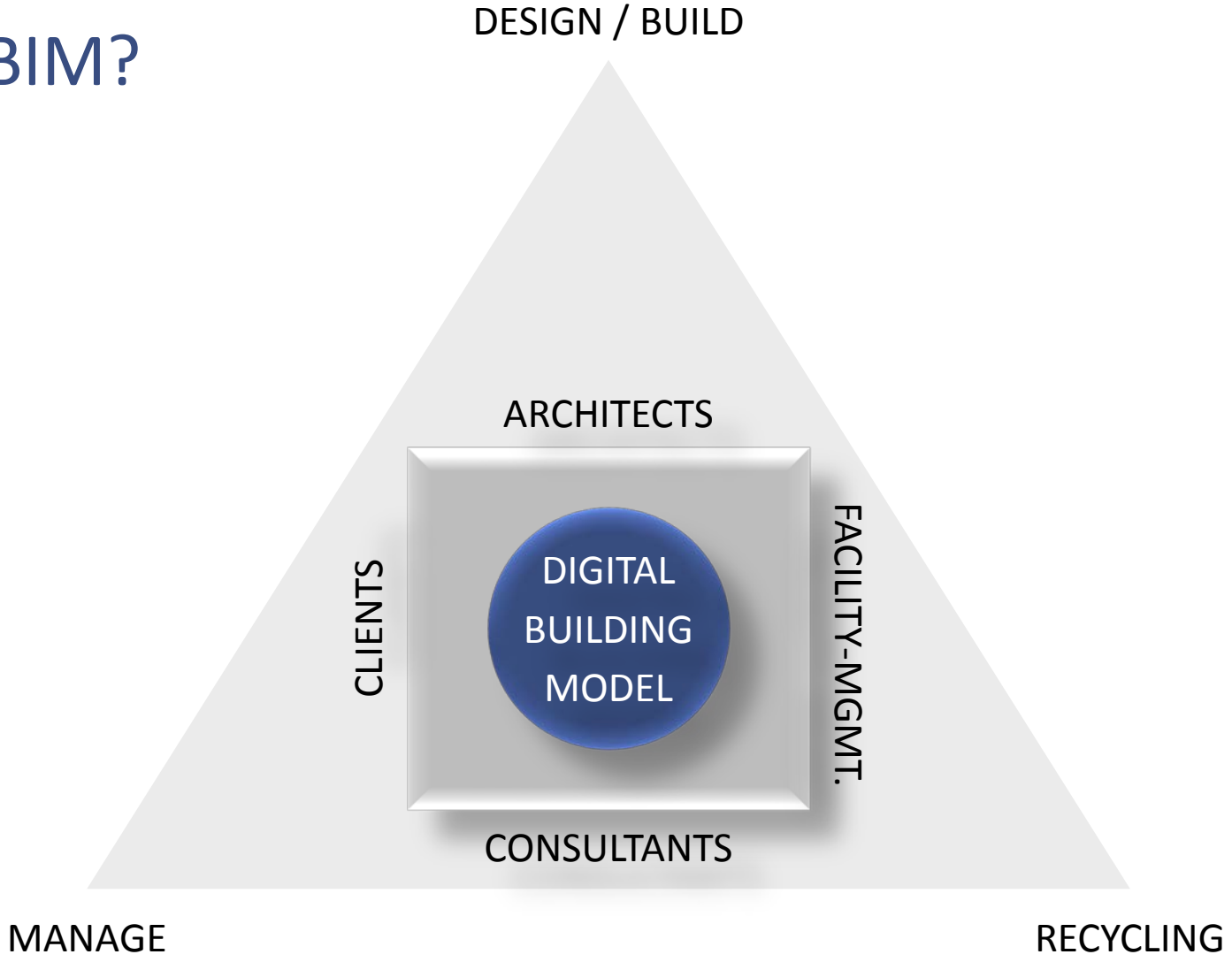
Why BIM?

- In many cases the structural and civil engineering lag behind with the efficiency in the processes and automation level
- E.g. plans are made drawing-oriented
- Multiple input of data because of interface problems
- Geometric and object data are stored separately
- Changes take a significant part of the planning

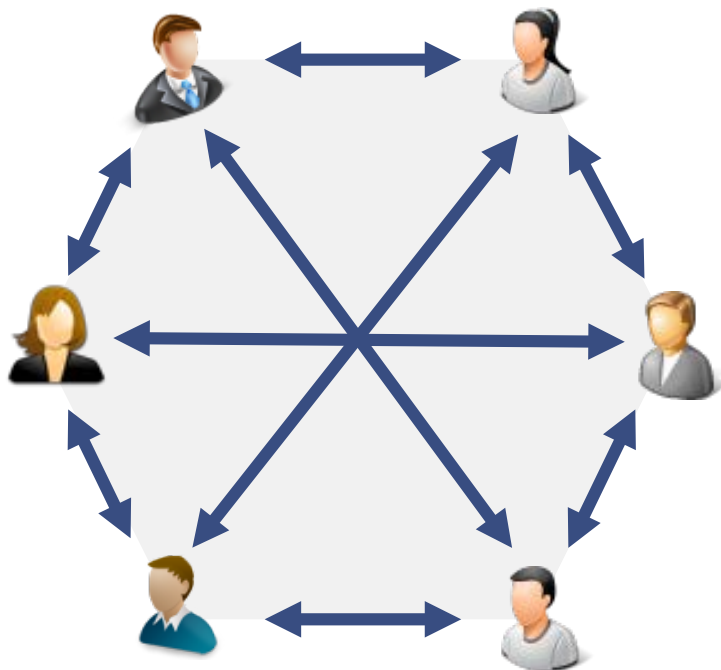
Why BIM?

- Long-term optimisation process in the company and part of a change in the project management as well
- Continuous integration of all relevant building data (design, build, management) in a central database
- The aim is an integrated, cooperative way of working during the entire life-cycle of a building, Round Trip Engineering
(see also PLM in different economic sectors)

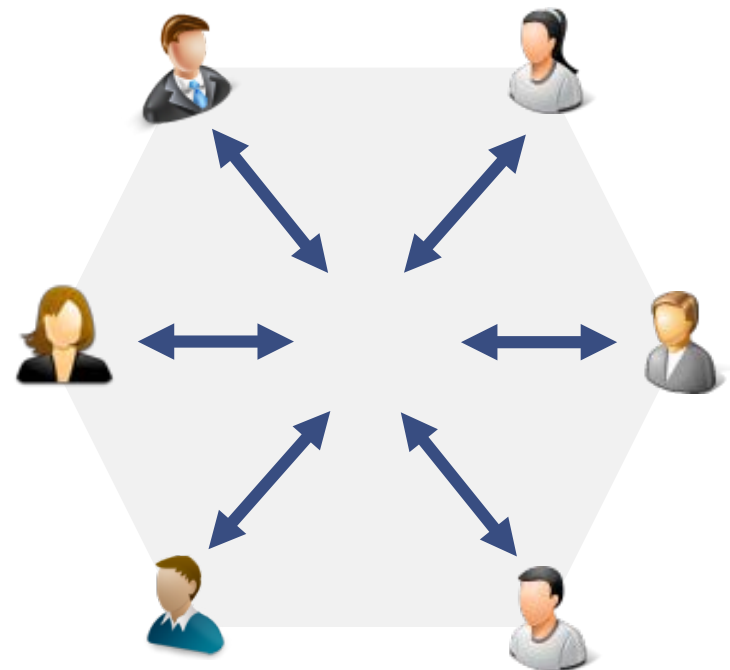
Why BIM?



Communication

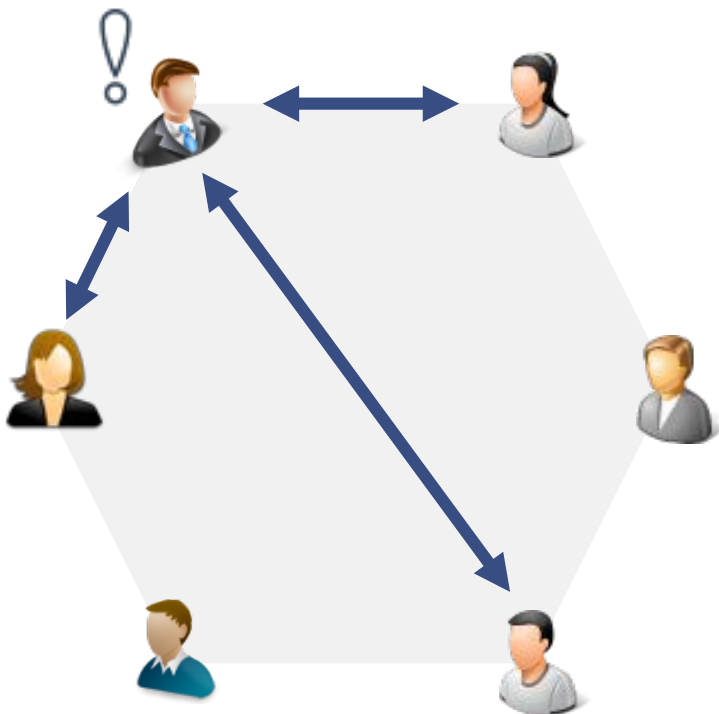


TRADITIONAL

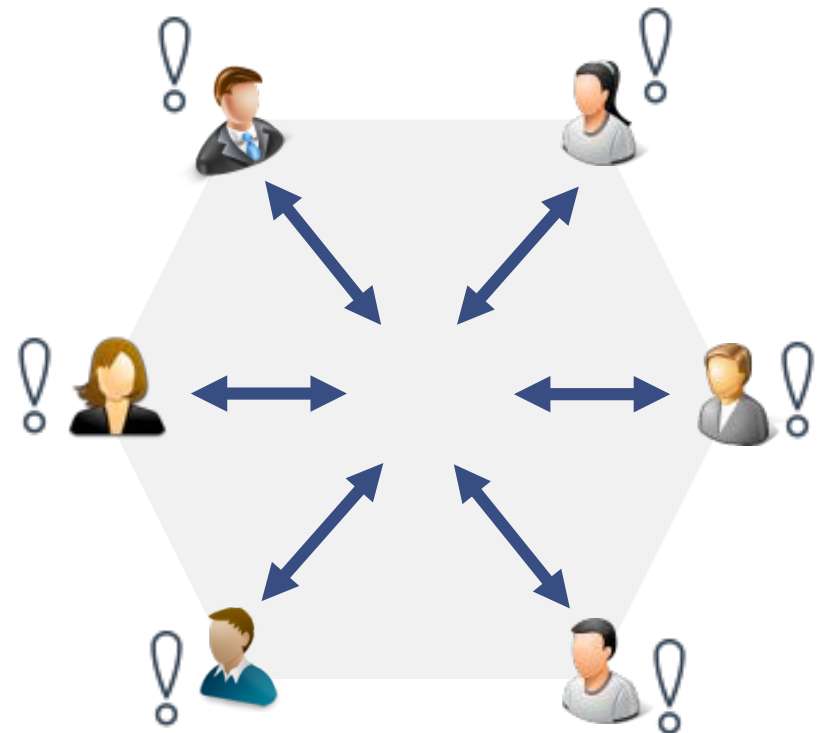


BIM

Responsibility



TRADITIONAL

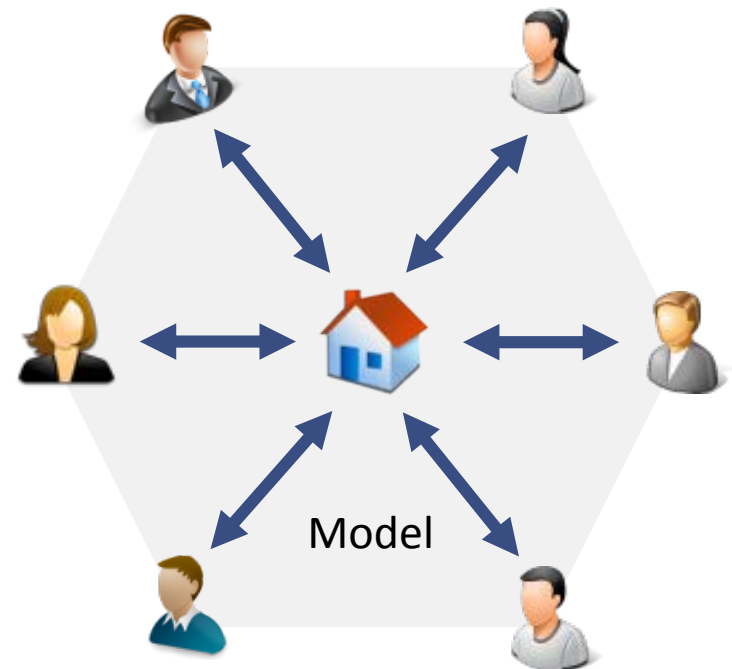


BIM

Tools



TRADITIONAL



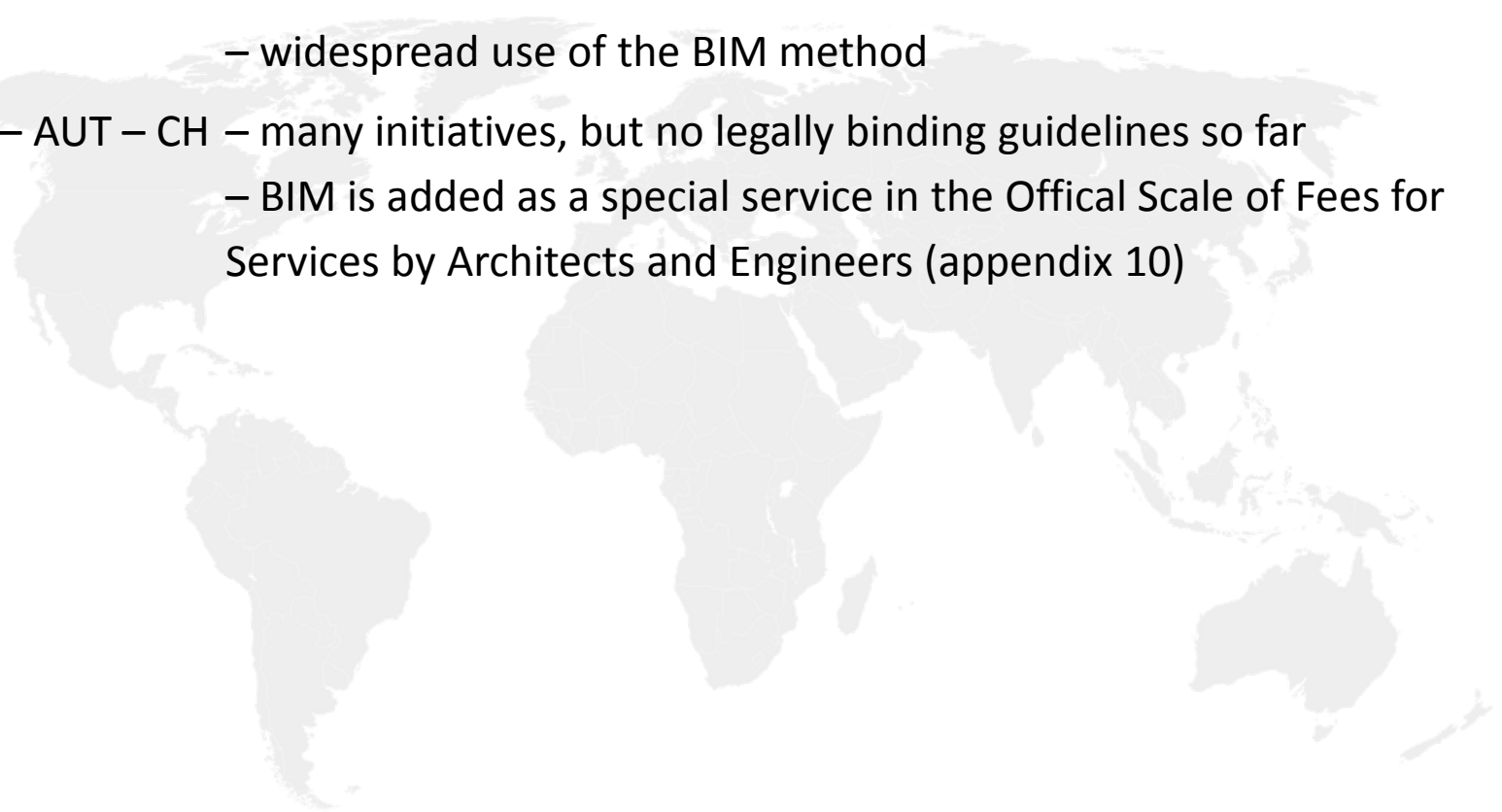
BIM

Advantages

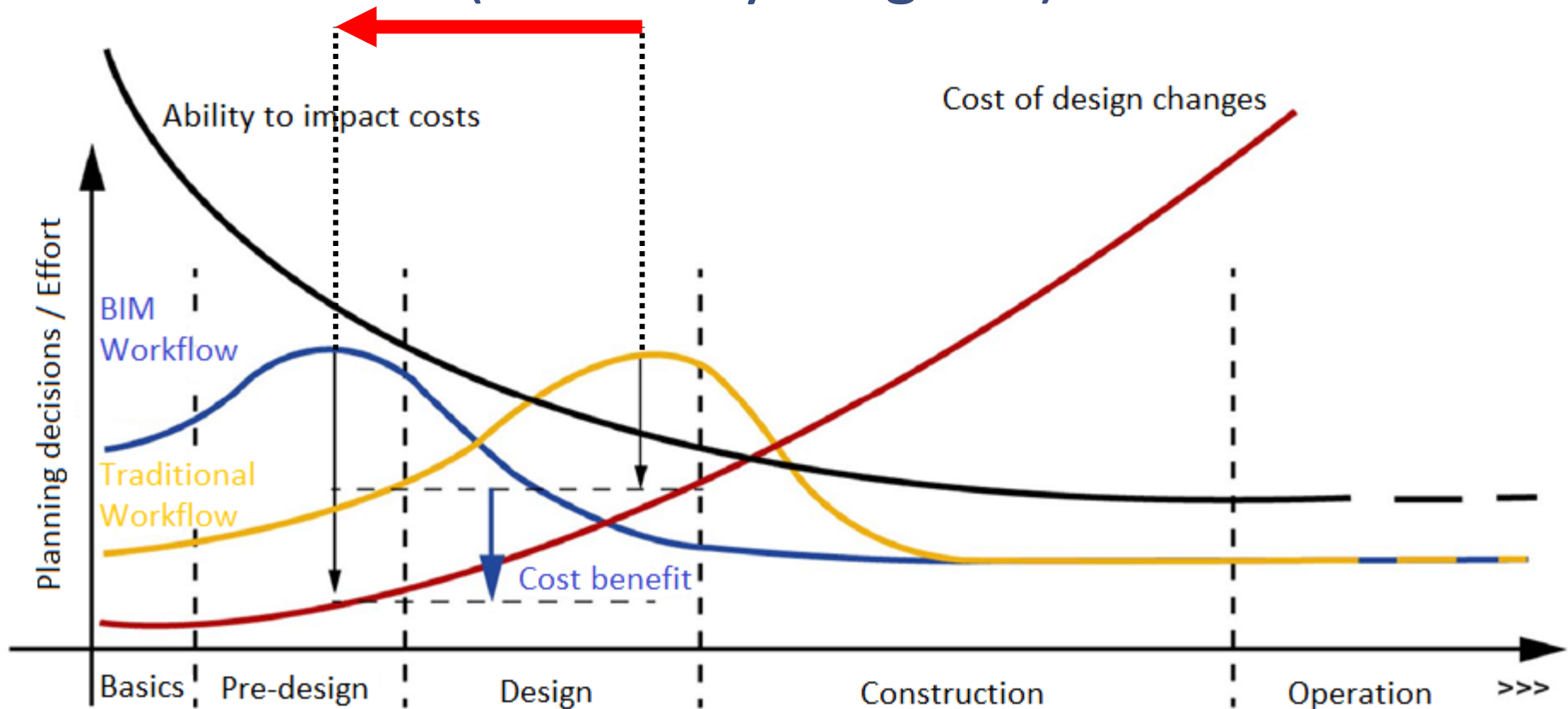
- Higher planning reliability, cost and time certainty
- Risk mangament will be simplified
- Better control over the quality of planning and production processes
- Open accessible building information usable by all persons involved
- Early and reliable decision making
- Fast, visual survey of the building model – thus better/reproducible verification

Where is BIM already a standard?

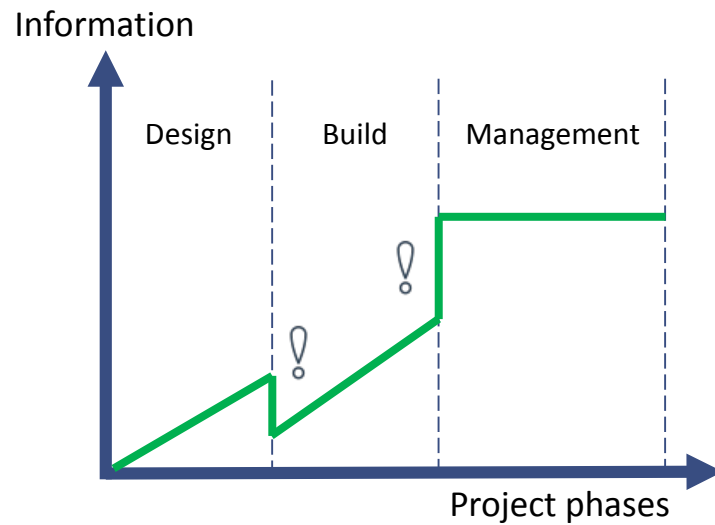
- Scandinavia – BIM is mandatory for public works
- UK – as from 2016 BIM is mandatory for public works
- USA – widespread use of the BIM method
- GER – AUT – CH – many initiatives, but no legally binding guidelines so far
 - BIM is added as a special service in the Official Scale of Fees for Services by Architects and Engineers (appendix 10)



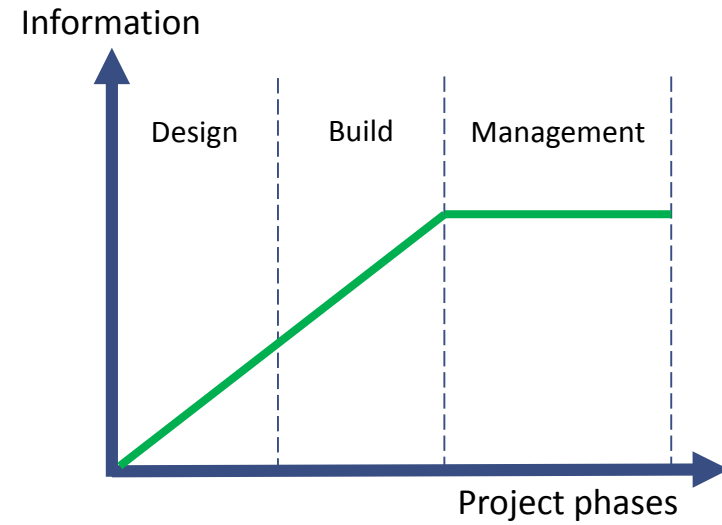
Shift of effort (McLeamy Diagram)



Information flow



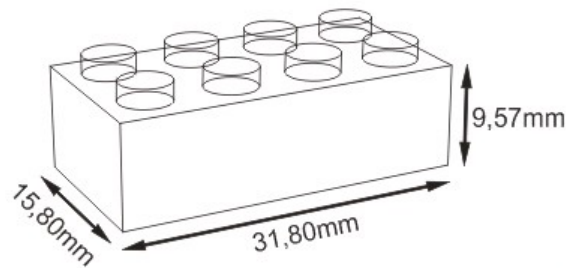
TRADITIONAL



BIM

Tools – IFC data

Object-oriented data model (Industry Foundation Classes)



- Only geometric data
- Further information etc. distributed

TRADITIONAL



Article no.
Length
Width
Height
Weight
Material
Colour
Costs
Manufacture date
Delivery date
...

- All data attached to the object
- Centrally retrievable and evaluable

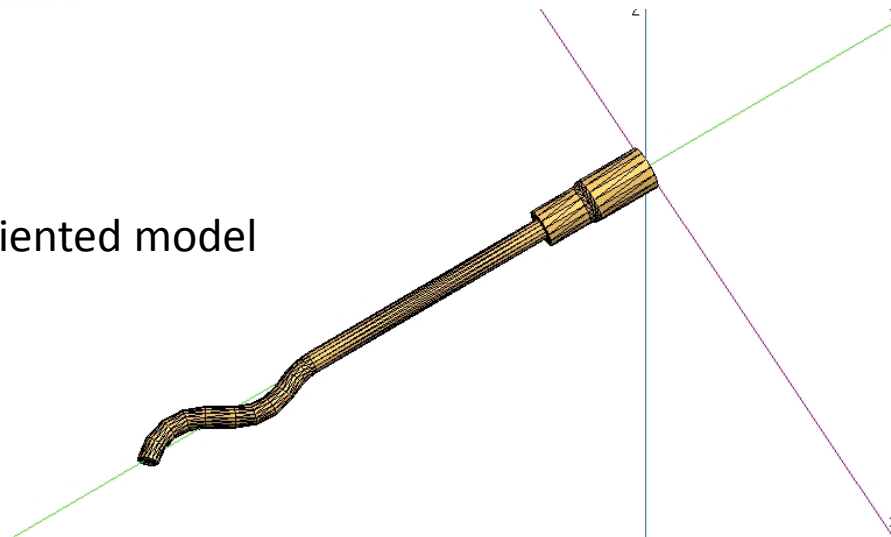
BIM

IFC data - Interfaces

Volume-oriented model



surface-oriented model



eCATALOGsolutions for the building industry

- eCATALOGs are well-established in the mechanical engineering, automotive industry, plant engineering, etc. long ago
- Building industry is in some aspects behind
 - Innovations and new processes need more time
 - Implementation of a continuous 3D construction of elements resp. complete structures
 - Mostly time-consuming DIY of catalogs as the offer is limited

eCATALOGsolutions for the building industry

- Especially in the precast concrete industry a lot of mounting parts in many variants are used
- Here the key question is:
Implementation of catalogs directly in the most important CAD systems or offer a universal library for all?
- eCATALOGs – reasonable addition to the BIM process
- CADENAS has taken the opportunity and optimises export formats resp. creates them new (e.g. IFC)

PHILIPP PartCommunity

- Standard PartCommunity project
- Time for project: approx. ½ Jahr, PHILIPP eCATALOG online since Oktober 2015
- Mounting parts: ca. 1,200 pcs. from 6 different product groups
- Most important exchange formats: Revit, Allplan, DXF/DWG and IFC
- Most important CAD systems:
 - AutoCAD, Revit Structure from Autodesk
 - Allplan from Nemetschek
 - Strakon from DICAD
 - Structures from Tekla



PHILIPP PartCommunity

Supplier Catalog Browsing

PHILIPP > Connection Technology > Power Box System > 54PB__ - Power Box System

Back Home Search Result Language Open comparison (0/5)

Type your search text or order number here... Search

Generate CAD model Generate PDF datasheet

Hide results below: 90%

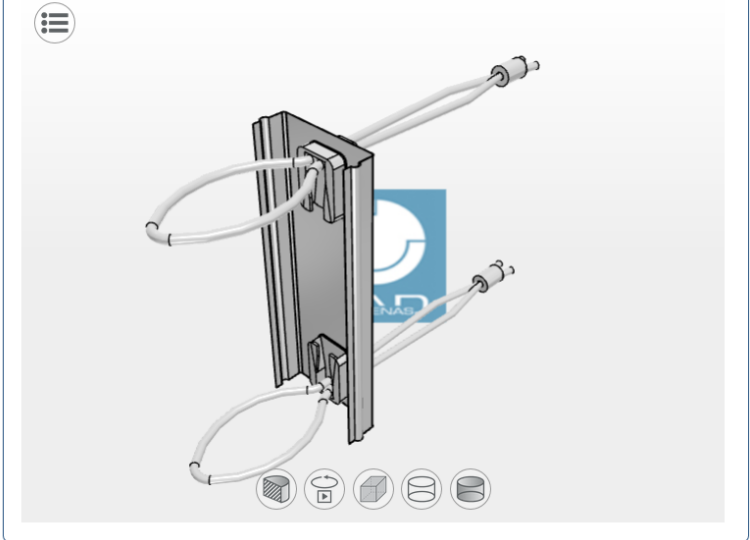
Search size-related Geometrical Search

	LINA	CNSORDERNO Article number	SL Length [mm]	B Width [mm]
▶ 1	54PB120	54PB120	120	80

CAD model preview

Preview Dimension diagram

WebGL activeX CDF
This is a pregenerated default preview. It may differ from your current selection.



Download CAD models

Location of catalog vendor

BIMcatalogs.net



3D BIM CAD Catalogs Extended Search For Manufacturers

← Back All catalogs Search Result Language

Type your search text or order number here... All catalogs Search



84PDS700905
PHILIPP

Selectable products: 1

Remove all filters

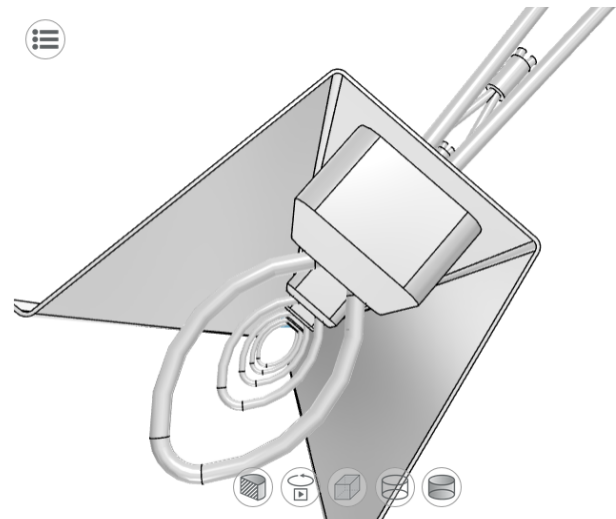
CNSORDERNO Art.-Nr	84PDS700905		
B1 Breite	50	mm	🔒
B2 Breite	80	mm	🔒
B3 Breite	70	mm	🔒
H Höhe	70	mm	🔒
L Länge	1250	mm	🔒
L1 Länge	190	mm	🔒
SL Länge	90	mm	🔒
E Länge	107	mm	🔒
F Länge	143	mm	🔒
A Länge	250	mm	🔒
CNSMASSEXACT Gewicht	1.99	kg	🔒
ANM1 Animation Power Dye System	Animation		🔒

29.01.2016 10.07.2014

Preview CAD Download

3D

Preview for 84PDS700905



Outlook

- BIM is not a temporary hype but a serious development
- BIM forces the building industry to strike new paths
- BIM and IFC provide an opportunity to optimise inefficient data exchange mechanism, planning structures and processes

- In december 2015 the German Federal Ministry of Transport and Digital Infrastructure has presented a phased plan for the introduction of BIM

Strength and stability



www.philipp-gruppe.de