Technology that makes its mark

› Our technology. Your success.
Pumps • Valves • Service

KSB

Supply Multi BIM Datamodells with CADENAS and ARGE,

a user story from a member's point of view

Frank Udo Kimm KSB SE & Co. KGaA
März 2019

INDUSTRY FORUM 2019

KSB

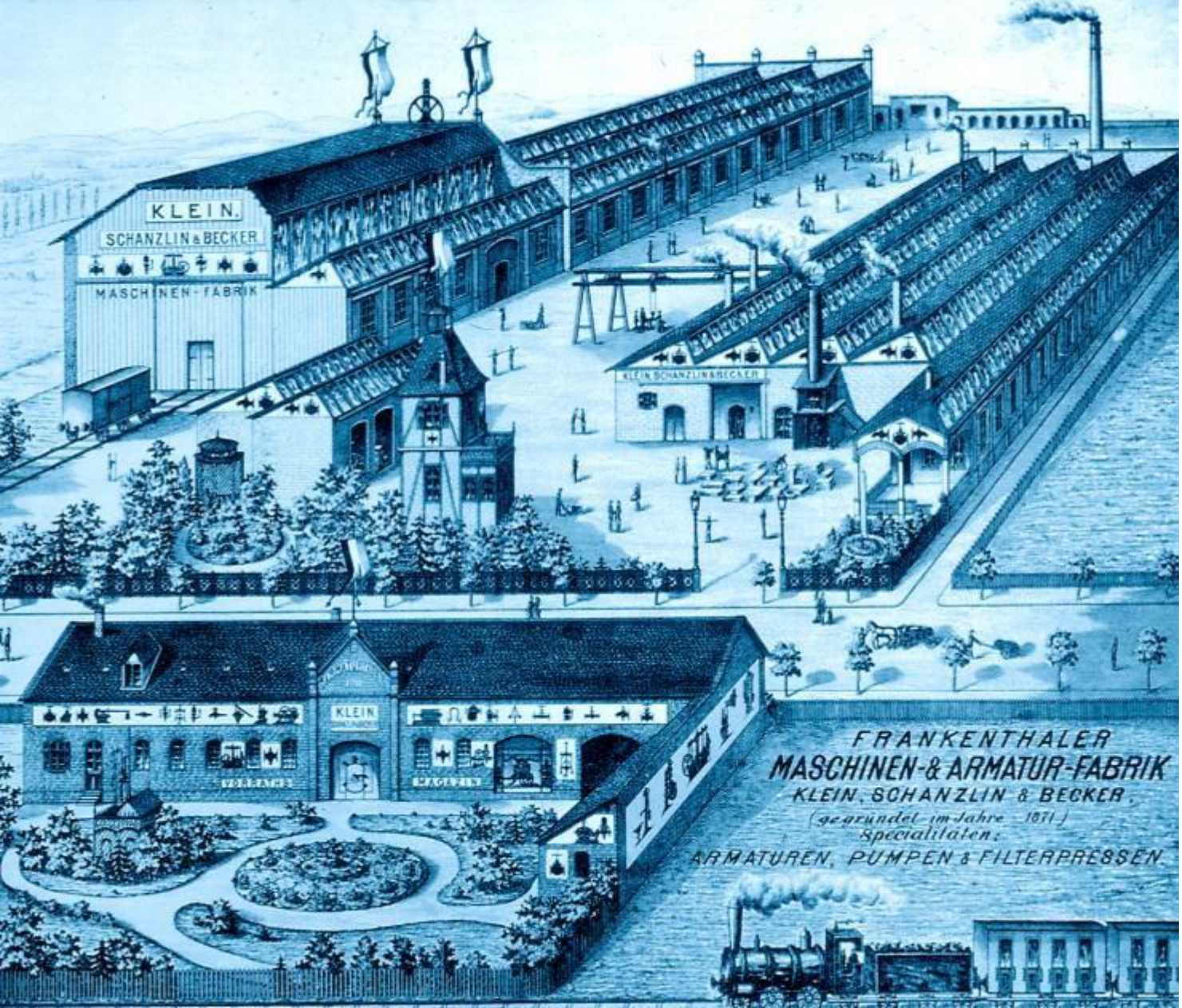
Providing Multi BIM data models with CADENAS and ARGE, a user story from a member's perspective

- Challenge for manufacturers: In addition to geometric data, structured product master data for common BIM CAD systems must also be provided.
- New possibilities through the cooperation of ARGE Neue Medien with CADENAS
- Presentation and discussion of a successful user story for different business types

KSB Group

About Us

KSB is one of the world’s leading manufacturers of pumps and valves, providing a comprehensive range of service offerings.



It All Began with an Idea

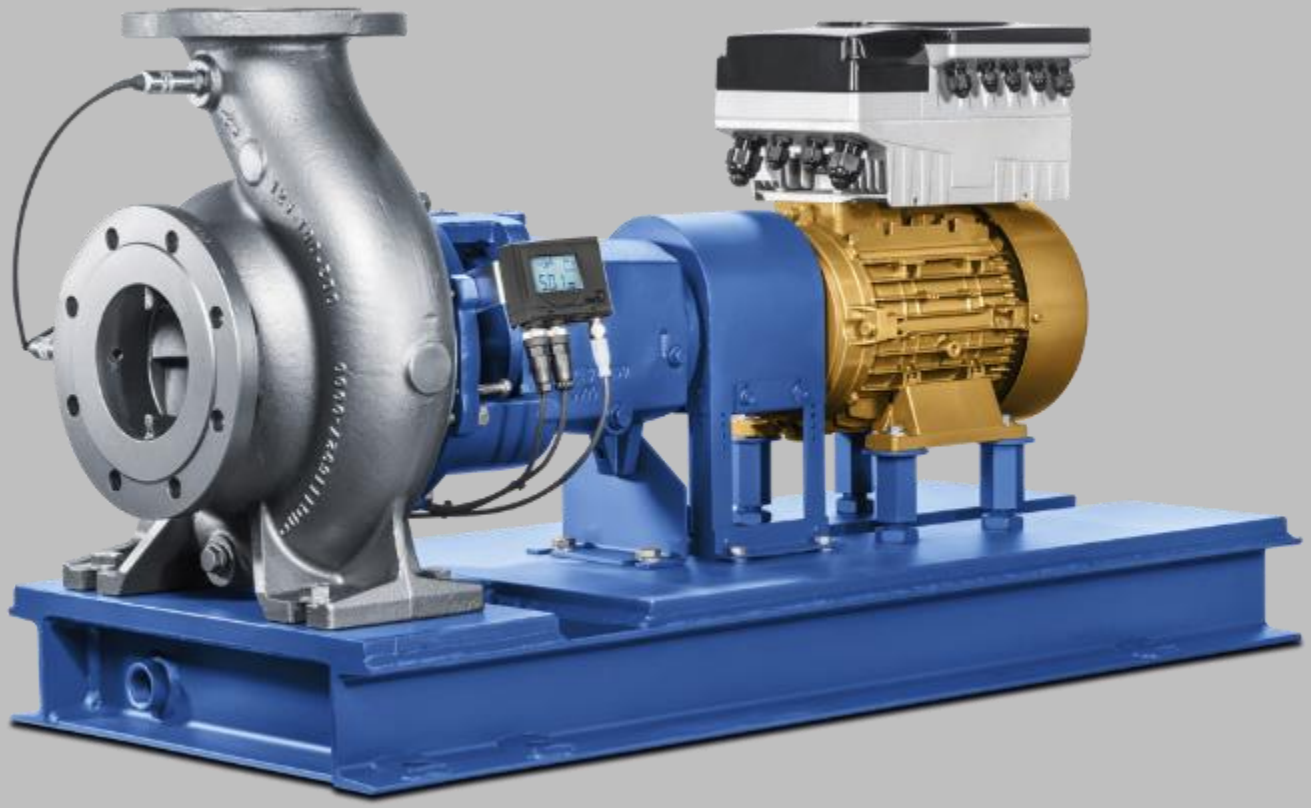
Experience since 1871

The global success story of KSB began over 140 years ago when Johannes Klein laid the foundation for the company by inventing his “boiler feed apparatus”.

Production of

- Valves since 1872
- Pumps since 1873

Productplacement



Process Engineering

MegaCPK

- **Applications**
  For pumping aggressive liquids in the chemical and petrochemical industries as well as in refinery systems
- **Description**
  Horizontal radially split volute casing pump in back pull-out design

Technical data

- Flow rate up to 1160 m^3/h (50 Hz), up to 1400 m^3/h (60 Hz)
- Head up to 162 m (50 Hz), up to 233 m (60 Hz)
- Operating temperature -40 °C to +400 °C

Process Engineering

DANAÏS 150

- **Applications**
  Industry and process engineering, power stations, marine applications, shipbuilding, chemical and petrochemical industries

- **Description**
  Double-offset butterfly valve in standard design

Technical data
- Size DN 50 to 1200
- Pressure class 150, 300
- Temperature range -50 to +260 ˚C

Building Services

Etanorm

Technical data

- Flow rate up to 640 m^3/h (50 Hz), up to 740 m^3/h (60 Hz)
- Head up to 160 m (50 Hz), up to 160 m (60 Hz)
- Fluid temperature -30 °C to +140 °C

- **Applications**
  For pumping clean liquids not chemically or mechanically aggressive to the pump materials; e.g. for use in water supply, cooling water, fire-fighting and heating systems
- **Description**
  Single-stage volute casing pump

Technical data

- Nominal pressure PN 6, 10, 16
- Material EN-GJL 250
- Permissible operating pressure at -10 to +120 °C (C/CS/IMS/CL), at -10 to +80 °C (EKB) 16 bar

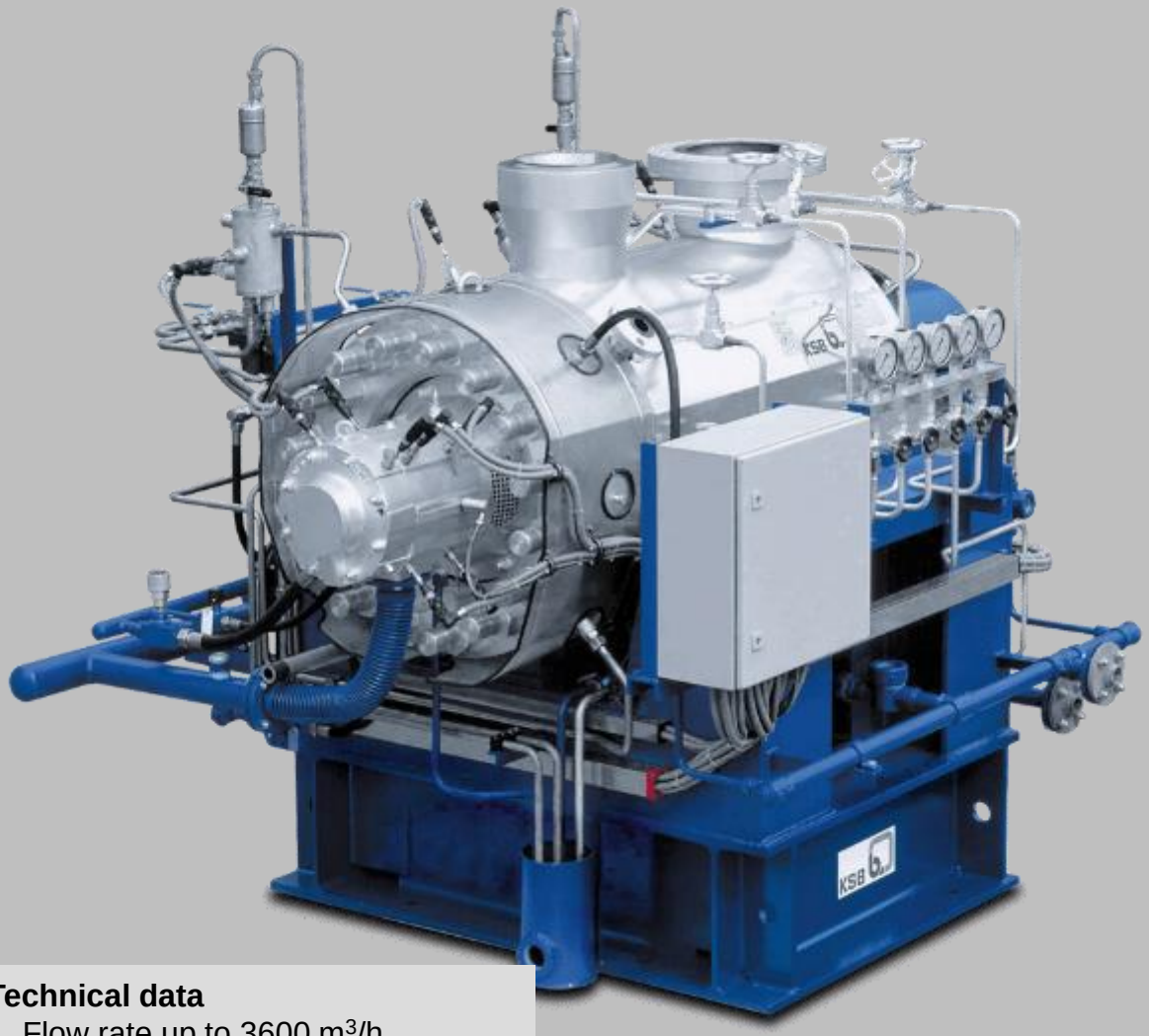
Building Services

BOA-CVE

- **Applications**
  General industrial facilities, process engineering, plant engineering, cooling circuits
- **Description**
  Control and measurement valves for building services applications

Energy Conversion

CHTD



Technical data

- Flow rate up to 3600 m^3/h
- Head up to 4500 m
- Temperature up to 210 °C
- Speed up to 6200 min^{-1}

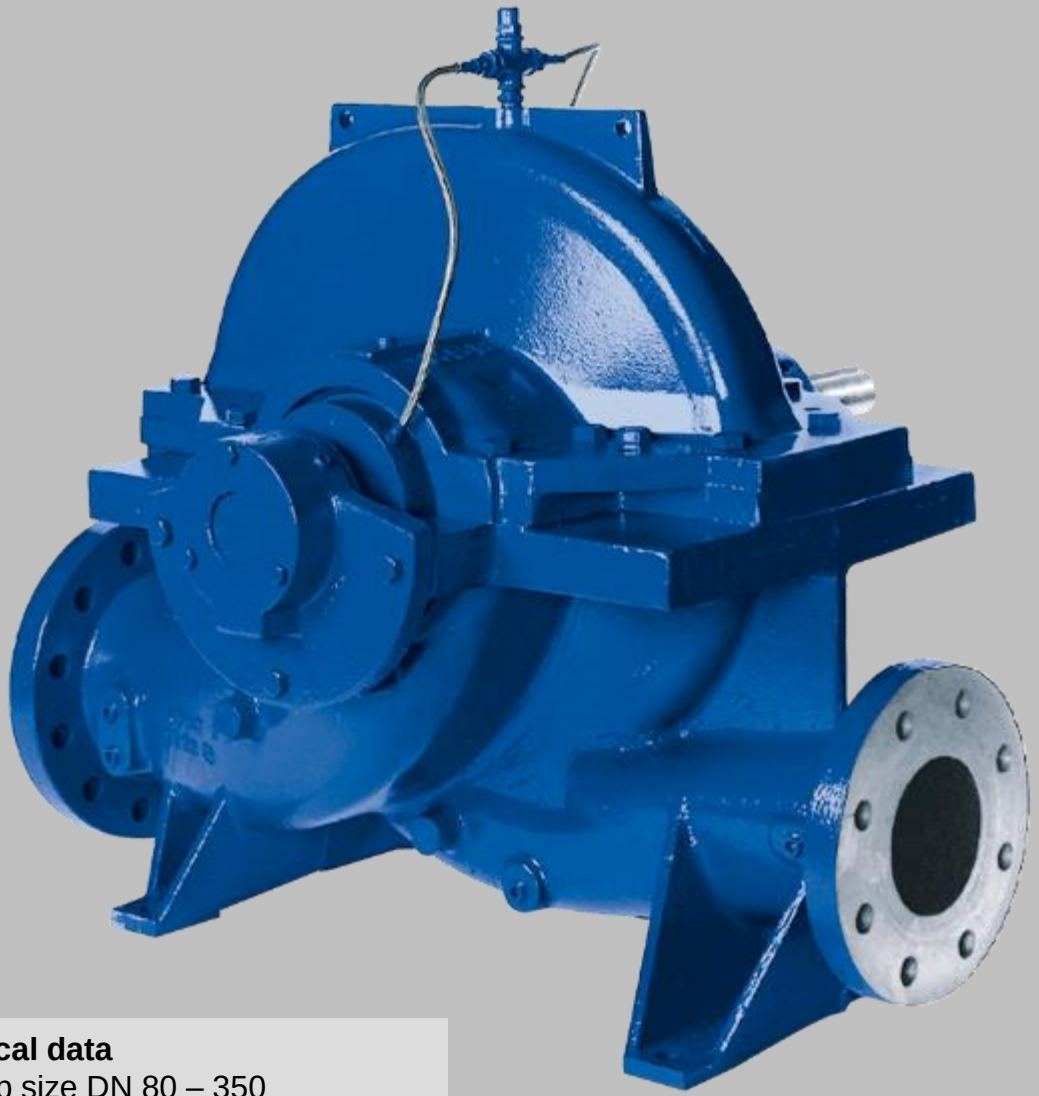
- **Applications**
  For pumping boiler feed water in utility power stations
- **Description**
  Horizontal high-pressure barrel casing pump with single-entry radial impellers, multistage

Technical data
- Nominal size DN 50 – 800
- Pressure up to 600 bar
- Temperature up to 650 °C

Energy Conversion

ZTS

- **Applications**
  Industrial plants, power stations, process engineering and shipbuilding. For water, steam, gas, oil and other non-aggressive fluids
- **Description**
  Butt weld end gate valve with pressure seal bonnet



Technical data
- Pump size DN 80 – 350
- Flow rate up to 2880 m^3/h
- Head up to 210 m
- Temperature up to 80 °C

Water Transport

Omega

- **Applications**
  For pumping raw, clean and service water in waterworks, irrigation and drainage pumping stations, power stations, industrial water supply, shipbuilding and offshore engineering
- **Description**
  Single-stage axially split volute casing pump for horizontal or vertical installation

Technical data

- Nominal size DN 1050 to 4000
- Operating pressure 25 bar
- Temperature range -10 °C to +80 °C

Water Transport

Mammouth

- **Applications**
  Water supply, water treatment, irrigation, drainage
- **Description**
  Centred-disc butterfly valve with elastomer liner. With manual gearbox, electric, hydraulic or counterweight actuator

Waste Water Treatment

Amarex KRT

Technical data

- Pump size DN 40 to 700
- Flow rate up to 10,080 m^3/h
- Head up to 120 m

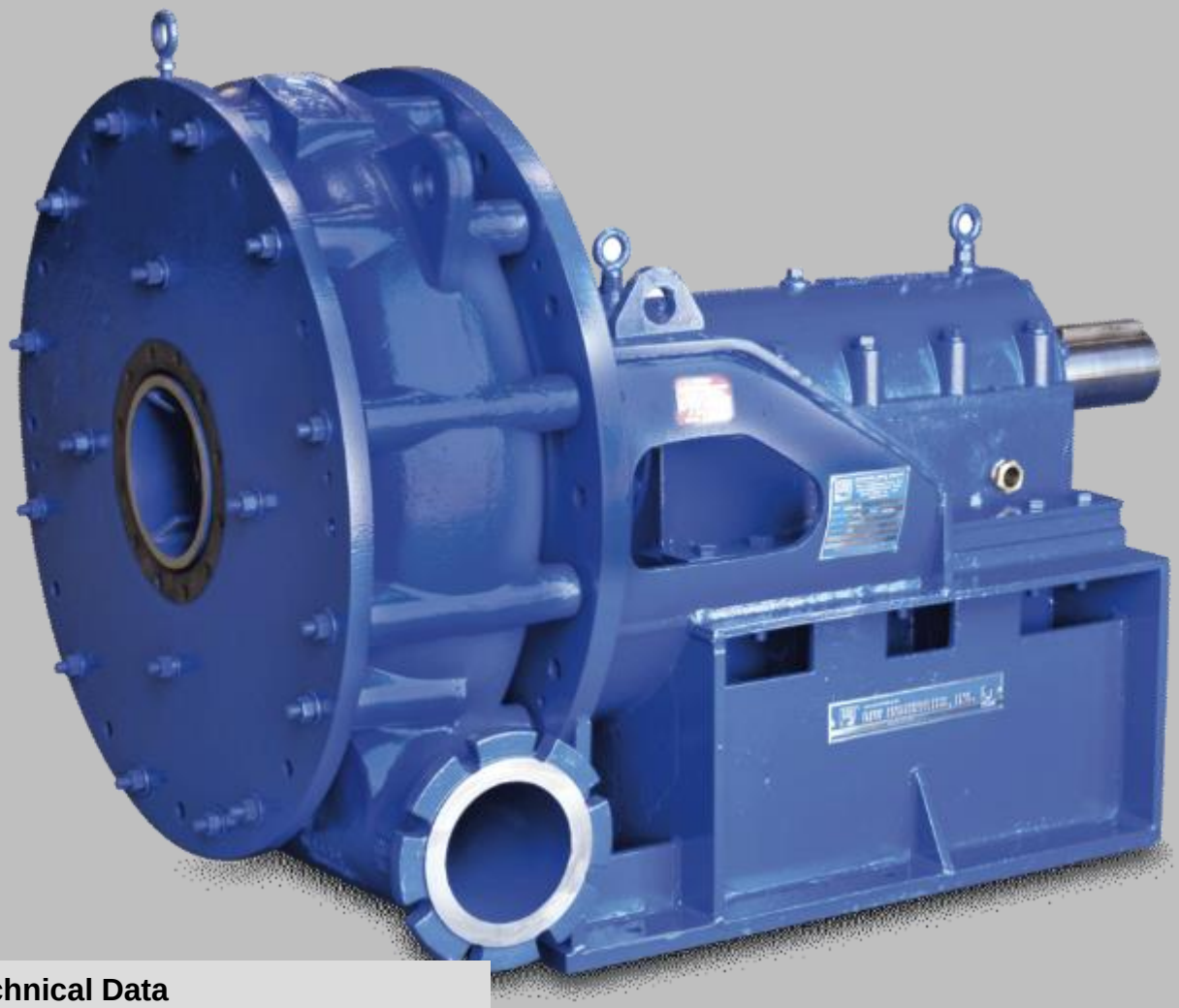
- **Applications**
  For pumping all types of abrasive or aggressive waste water in water and waste water management as well as in industry
- **Description**
  Vertical single-stage submersible motor pump in close-coupled design

Technical data (AmaDS³ - compact)
- Max. inflow rate 25 m³/h
- Flow rate 5.5 to 6 l/s
- Head up to 85 m (standard model)

Waste Water Treatment

AmaDS³

- **Applications**
  Municipal and industrial waste water transport; drainage applications for hotels, hospitals and camp sites
- **Description**
  AmaDS³ is an innovative waste water pump station, also suited for pumped drainage systems covering long distances



Technical Data
- Flow rate 20-13,600 m^3/h
- Head up to 90 m
- Operating pressure up to 16 bar

Solids Transport

LSA

- **Applications**
  Ore and tailings transport, cyclone feed, dredging and industrial processes
- **Description**
  Premium design white cast iron pump for long service life handling severe slurries

Building Services Reference Project

District Cooling Plant Abu Dhabi, UAE

Efficient heavy-duty pumps from KSB enable an economical operation at minimum CO_2 emissions of central district cooling systems which air-condition entire residential and business districts in Abu Dhabi.

The cooling plant capacity exceeds 158,000 kW, which is maintained by ten Omega, nine RDLO, three Etanorm and two Movitec pumps.

Process Engineering

Broad Product Range

Extreme temperatures, high pressures, abrasive and corrosive media and solids-laden fluids: KSB products are equipped for almost every requirement.

Applications:

- General process engineering
- Hot water/heat transfer fluids
- Chemicals/petrochemicals
- Oil/gas
- Marine engineering
- Auxiliary processes

Building Services Reference Project

Koelnmesse

Pumps type Etanorm 150-200 and Etanorm R 200-250 are at work in the refrigeration system (exhibition hall north) of Koelnmesse.

Building Services Reference Project

St. Johannes-Hospital, Varel

In a system in St. Johannes-Hospital in Varel near Wilhelmshaven, BOA-CVE-SuperCompact control valves with BOA-Systronic control system are used.

Service

Global Operations and Number 1 in Europe

- Technical consultancy
- Installation & commissioning
- Maintenance, repair, retrofit
- Maintenance inspection management
- Total Pump Management
- SES System Efficiency Service
- Services for other rotating equipment
- Broad range of spare parts

Water Transport Reference Project

Drinking Water Treatment Plant Spannenburg, Netherlands

Installed in the Netherlands' biggest drinking water treatment plant, KSB pumps supply several millions of litres of drinking water to over 300,000 people, every day.

The operator has opted for six Omega V 200-320 GB pumps with 37kW motors.

Water Transport Reference Project

Pumping Station Taksebt, Algeria

For drinking water supply in Algeria, KSB delivered a pumping station with six RDLO 700-980 pump sets as well as various valves, surge vessels and matching control systems.

The station’s capacity is more than 7000 litres per second.

Waste Water Treatment
Reference Project

Waste Water Pumping Station St. Petersburg, Russia

Europe’s deepest waste water pumping station can count on robust pumps made by KSB.

Twelve submersible motor pumps of the robust and proven Amarex KRT waste water type series are used here. KSB individually tailored their hydraulic systems to the special requirements of the pumping station.

Solids Transport Reference Project

Minera El Roble, Durango, Mexiko

Some 8000 tons of metals such as gold, zinc, lead and silver are extracted from the Mexican mine per day. For its slurry transport the mining company Peñoles chose the wear-resistant GIW Minerals pump series.

KSB supplied a complete package featuring MDX, LSA, LCC-M, LCC-R, HVF and ZW slurry pumps to Peñoles.

Being global means being closer, production on 5 continents

KSB production sites

KSB sales and service sites

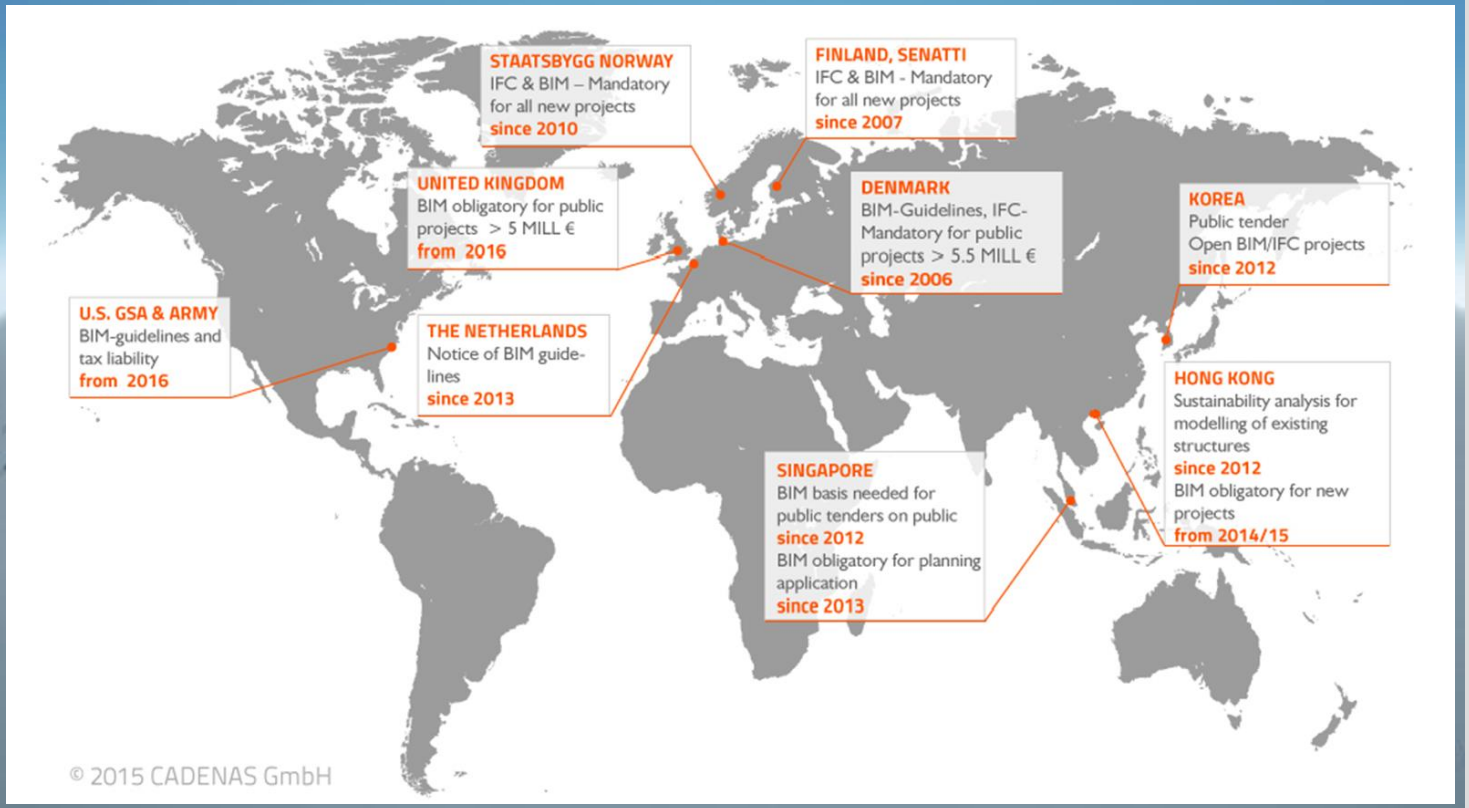
KSB Worldwide

Being Global Means Being Closer

With its 33 production and assembly sites in 16 countries and a tightly knit global sales and service network, KSB staff are active in more than 100 countries.

KSB worldwide

Globalization that creates complexity



Countless national regulations and approaches make it difficult for a global player to keep all BIM developments in focus and to serve them comprehensively.

Globalization that creates complexity - diverse regional BIM approaches

Business Type

GT 5 In the beginning there was the axis

Komplexität

GT 4 GT3 plus design per contract

GT 3 GT2 with manual BOM intervention

GT 2 Fully configurable, process from quotation to production

GT 1 Ident numbers, Stock goods

Markets

Business Type

GT 5 In the beginning there was the axis

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GT 4 GT3 plus design per contract

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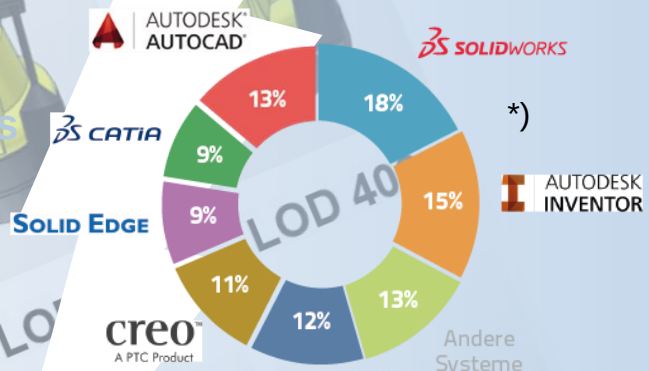
formats



*)

NX

classifications

CIBSE

IFC

eCl@ss

ETIM International

languages

Markets

*) Quelle: Cadenas GmbH

BIM in praxis

History

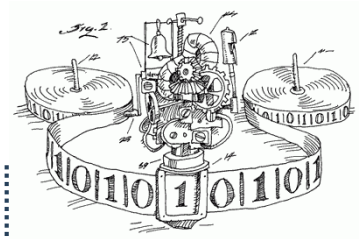
1889, Eifelturm,
……
1931, Empire State Building

1861, Alphonse Louis Poitevin Developed by accident „Blaupause“

Everyone could now work with a global design

1936, Alan Turing „Turingmaschine“

Base of all computer



1940 -1950, age of „Central-computer“

1952, IBM introduces the first industrially manufactured "transistor

1962, Dr. Patrick J. Hanratty invented „DAC“, design automated by computer

1971, micro-prozessors, “ADAM“ automatic defining and machinering, basis for 90% of all CAD Software

IIM ???

BIM to be continued

THE HISTORY OF CAD

THE MOUSE

The computer mouse become widely used in the late 70's, its original design was made by Douglas Engelbert who filed for the patent in 1967. The introduction of the mouse changed the way designing worked by making it easier for engineers to navigate a computer and design their parts.

FATHER OF CAD

Dr. Patrick Hanratty, An American computer scientist regarded as the "Father of CAD and CAM"

1957 — PRONTO
By: Dr. Patrick Hanratty

PRONTO was the First commercial numerical-control programming system, sparked everything that is CAD. Known as the building blocks of everything CAD

1960 — CADD
By: McDonell-Douglas

Used for parts layouts and geometry work, continued to be improved upon and customized for specific uses

1966 — Digigraphics
By: Itek

First commercial CAD system, $500000.00 per system, only sold 6 copies

1967 — ADAM
By: Patrick Hanratty

Interactive graphics design, drafting and manufacturing system written in Fortran and designed to work on virtually every machine, huge hit that went on to be updated to work on 16 and 32 bit computers, today 80% of CAD programs can be traced back to the roots of ADAM

1967 — Unigraphics
By: Siemens NX

High end easy to use software used by many corporations that set a new gold standard for CAD software at this time

1970 — Autodesk AutoCAD

First CAD software made for PCs instead of mainframe computers

1971 — CADENAS Founded

Founded originally as an engineering firm but realized the potential of the engineering IT age

1975 — STEP

Took over from IGES as the new format to use when transferring 3D models from one to another, 1994 was the initial release of STEP that made it an international standard for models, still the most used format

1977 — SolidWorks 95
By: Dassault Systemes

Another software that succeeded in ease of use, allowed more engineers than ever to take advantage of 3D CAD technology

1978 — CATIA Conferencing Groupware
By: Dassault Systemes

The first to move online, allowing users to review and annotate CATIA models with others over the internet, quickly followed by others- Unigraphic's iMAN web author and CoCreate's Openspace Web

2012 — Autodesk 360

Moved to the cloud, others followed

2015 — The Future

Focus on Virtual Reality

1957 — Sketchpad
By: Ivan Sutherland

First to ever use a total graphic user interface, users wrote with a light pen on an x-y pointer display, let users constrain properties in a drawing, created the use of "objects" and "instances"

1960 — PDGS
By: Ford

Ford and other manufacturers started releasing internally developed CAD/CAM systems

1966 — SynthaVision
By: MAGI

First commercially available 3D solid modeling program

1967 — ComputerVision
By: Dr. Kenneth Versprille

Rational B-spline geometry added to CAD

1967 — CADAM

Used by Lockheed, introduced CAD to aerospace design

1970 — MiniCAD

Best selling CAD software for Mac computers

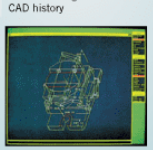
1978 — GEOMOD

Featuring NURBS

SDRC developed GEOMOD, their geometric modeling product. This model generator was based on precision and accuracy

1980 — Pro/Engineer
(PTC Creo)

First mainstream CAD program that took the ideas of Sketchpad and made it come to life, based on solid models, history based features, and the use of constraints, this was a huge turn in CAD history



1981 — Autodesk AutoCAD
Releases 13

Made the Autodesk program 3D

1982 — eCATALOG
By: CADENAS PARTsolutions

CADENAS enters the native 3D CAD model market with eCATALOG solutions digital product catalogs that featured multiple Native CAD formats for the first time

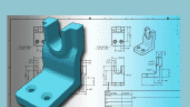
eCATALOGsolutions

1987 — Solid Edge
By: Siemens

Made as a PLM software, functions on Windows, provides solid modeling, assembly modeling, and 2D orthographic view, response to the success of SolidWorks

1992 — Autodesk Inventor

Autodesk's new direction, tried to be more intuitive and simple, also allowed the creation of complex assemblies in record time, still in use, really upped the game in the CAD world



1994 — 3D CAD App

First APP for 3D CAD manufacturer models by CADENAS

1994 — Onshape

Completely cloud based CAD program

1995 — CADENAS PARTsolutions

Helping manufacturers "future proof" their catalog by keeping current with future native formats, versions and revisions.

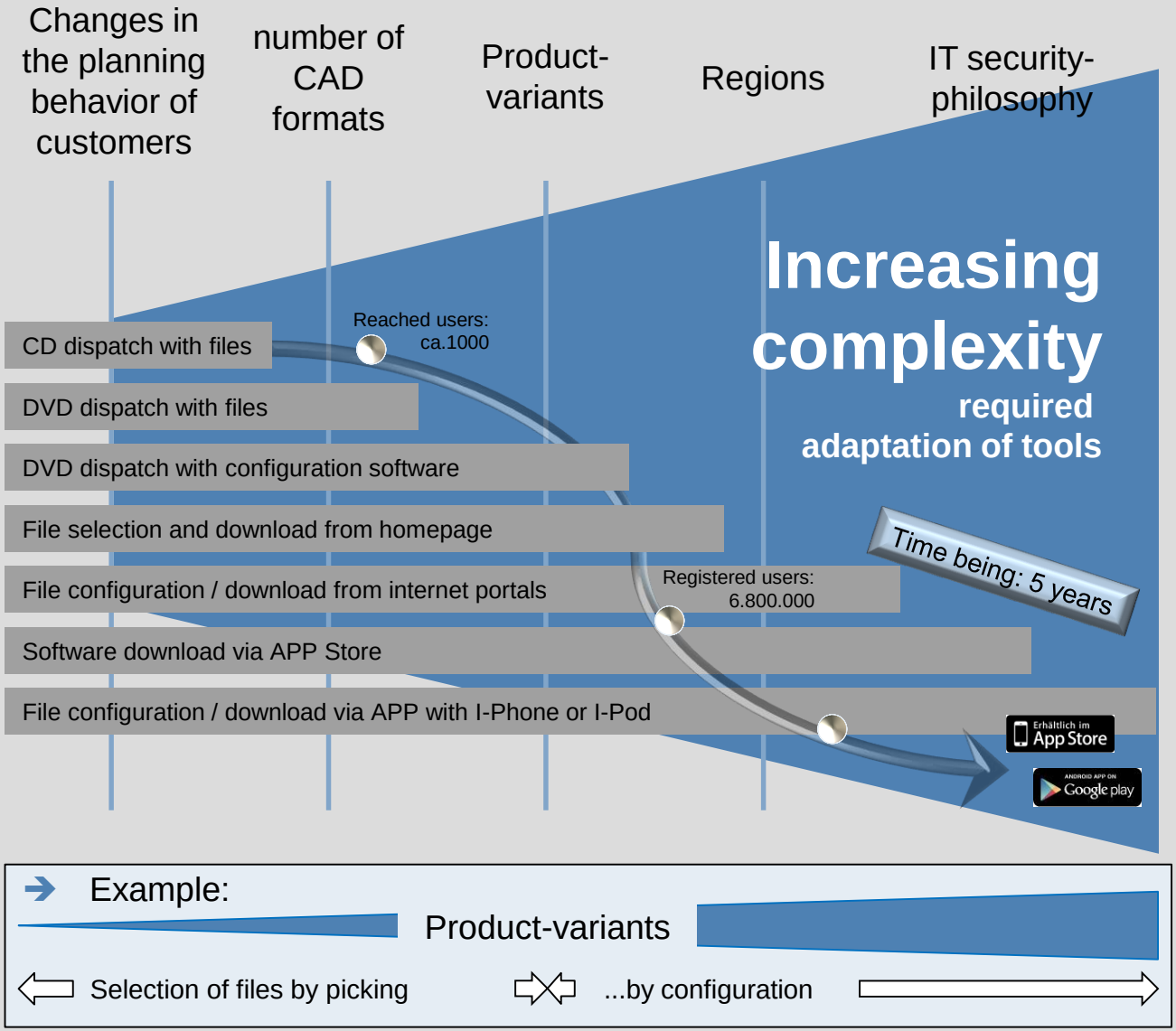
INTO THE FUTURE...

POPULAR CAD FORMATS

2000: AutoCAD 2000, Solidworks 2000, Catia V4
2001: Soliddesigner, Catia V4, 3D PDF
2002: AutoCAD 2002, Soliddesigner, Catia V5
2003: Autodesk Inventor
2004: AutoCAD 2004
2005: NX Unigraphics
2006: AutoCAD 2006, Solidworks 2006, CATIA V5
2007: AutoCAD 2007, Solidworks 2007, CATIA V5
2008: AutoCAD 2008, Solidworks 2008, Allplan 2008, CATIA V5
2009: AutoCAD 2009, Solidworks 2009, Solid Edge ST2, CATIA V6
2010: AutoCAD 2010, Solidworks 2010, Solid Edge ST3, CATIA V5, NX 7
2011: AutoCAD 2011, Autodesk Inventor 2011, Solidworks 2011, Solid Edge ST4, CATIA V5-6, Creo 1.0, NX 8
2012: AutoCAD 2012, Autodesk Inventor 2012, Autodesk Revitt 2012, Solid Edge ST5, Solidworks 2012, CATIA V5-6, Creo 2.0
2013: AutoCAD 2013, Autodesk Inventor 2013, Solidworks 2013, Autodesk Revit 2013, Solid Edge ST6, CATIA V6, NX 9
2014: AutoCAD 2014, Autodesk Inventor 2014, Autodesk Revit 2014, Solidworks 2014, Solid Edge ST7, Creo 3.0, NX 10
2015: AutoCAD 2015, Autodesk Inventor 2015, Autodesk Revit 2015, Solidworks 2015, Solid Edge ST8
2016: AutoCAD 2016, Autodesk Inventor 2016, Autodesk Revit 2016, Solidworks 2016, Solid Edge ST9, Creo 4.0, NX 11
2017: AutoCAD 2017, Autodesk Inventor 2017, Solidworks 2017

Popular CAD Formats and Versions Added to the CADENAS eCATALOGsolutions platform

Quelle: Cadenas GmbH

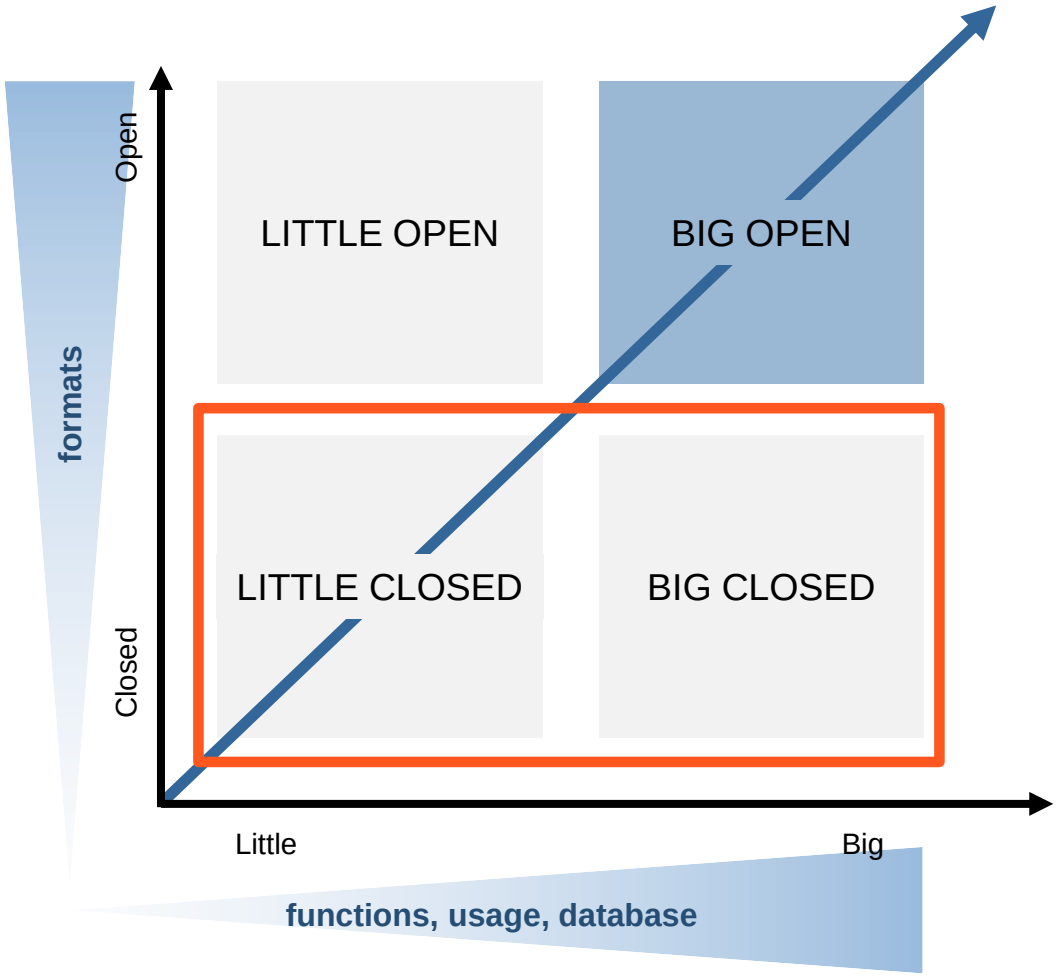


Complexity driver, example:

CAD Files Provision for Customers

Risks of unidentified complexity drivers:

- Revision cycles are not adhered to
- Availability of files is not given
- Distribution costs are too high
- Market development is at risk
- Customers migrate to competitors
- …



Closed BIM:

Closed data exchange

- All participants (planners) work with the same software solution or with a given software package on an object.

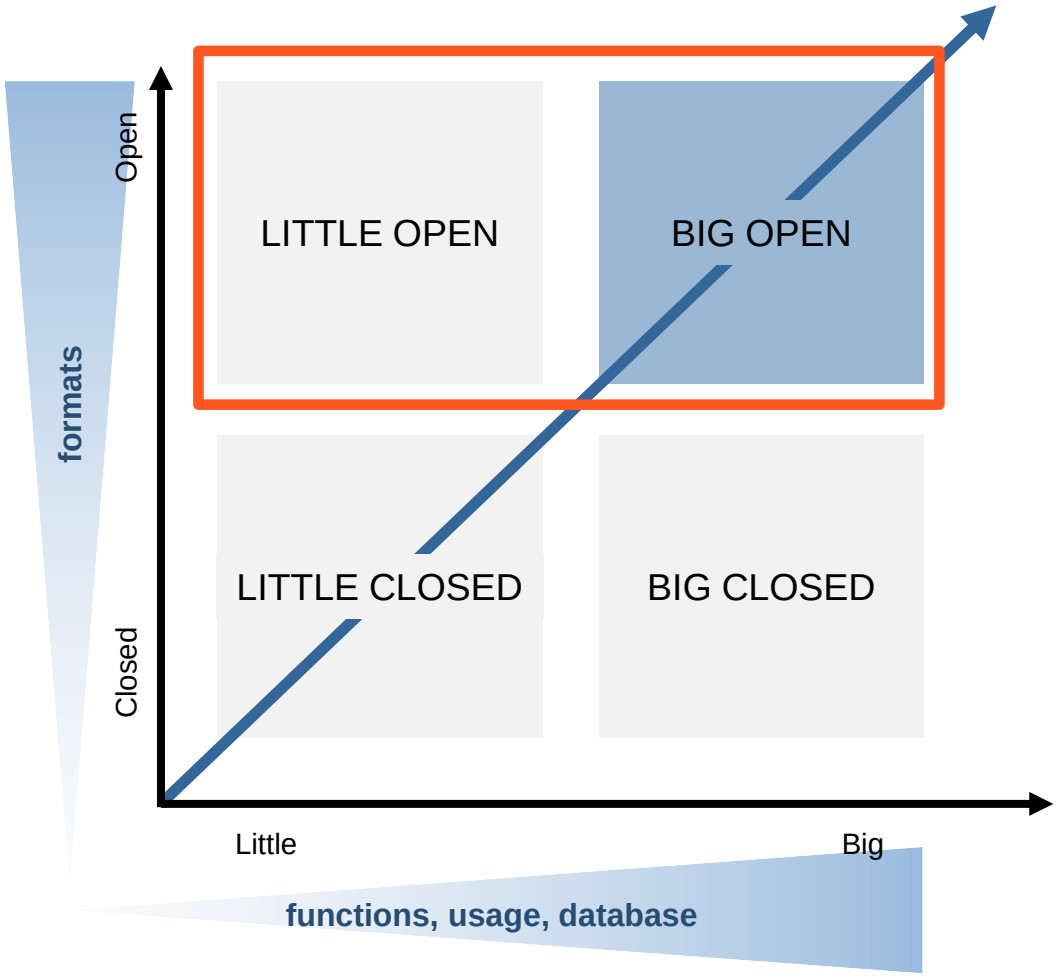
Advantage:

- All work on the same platform

Disadvantages:

- Dependence on the efficiency and quality of third party software
- Proprietary software solutions

Quelle: Projektmanagement im Hochbau; Mit BIM und Lean Management, S. 128 f



Open BIM:

open data exchange

- The participants (planners) work with different software products (CAD, TGA planning software, etc.).
- Data exchange via defined interfaces (e.g. IFC buildingSMART International home of openBIM)

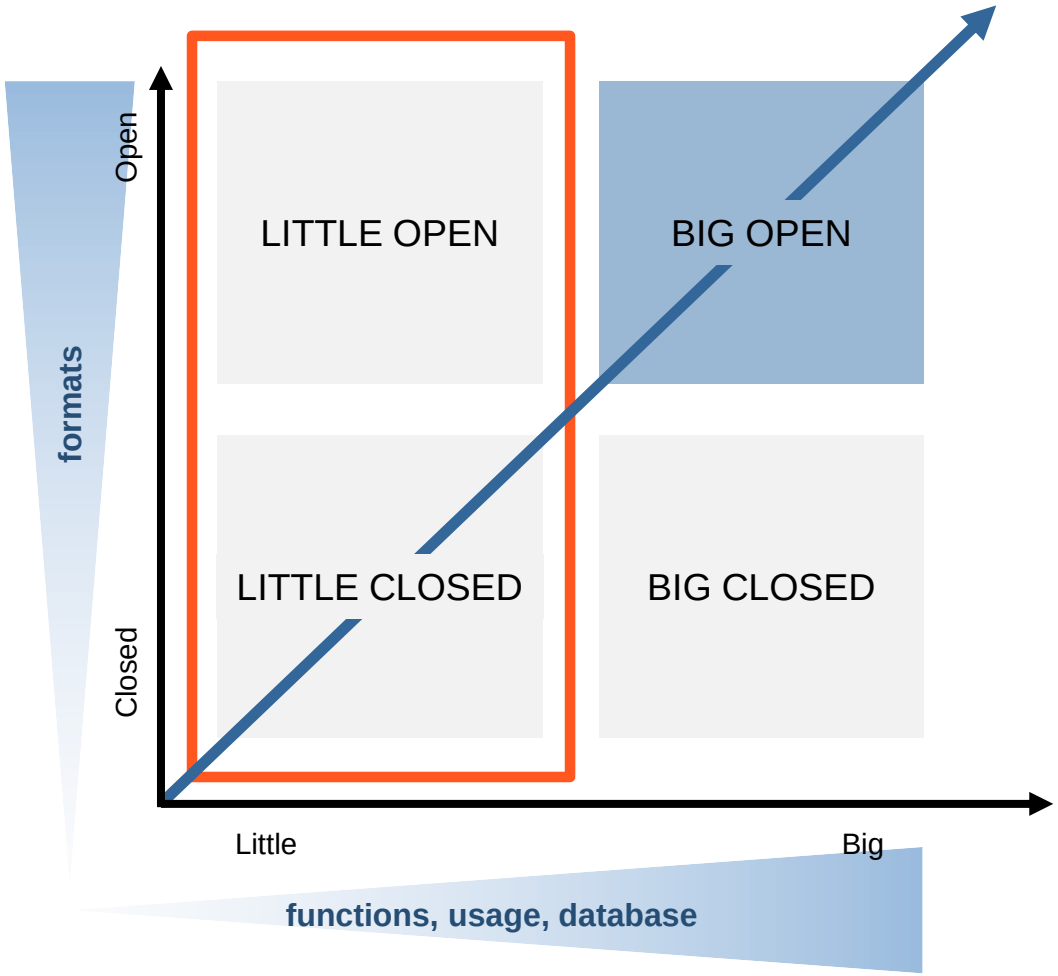
Advantages:

- Use of powerful software solutions that strongly support the planning process in the TGA

Disadvantages:

- Non-trivial and lossy data transmission via interfaces

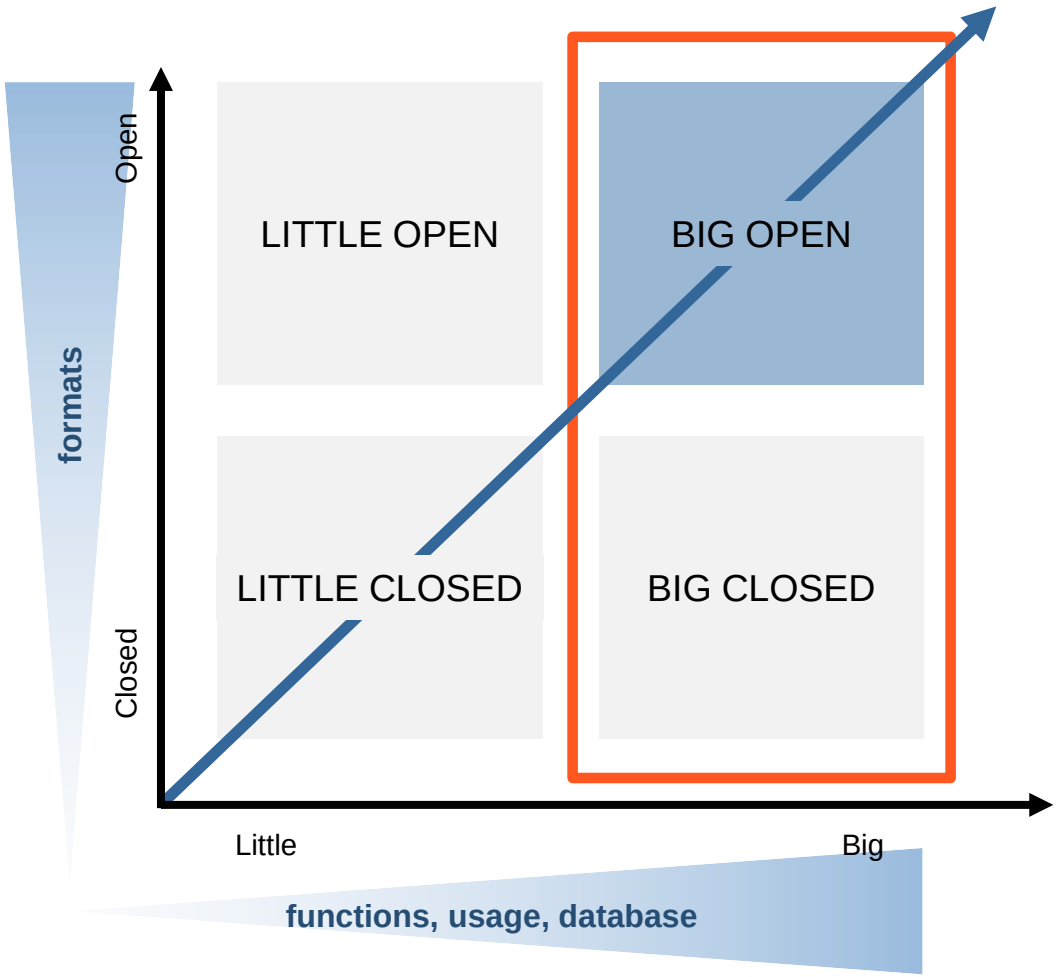
Quelle: Projektmanagement im Hochbau; Mit BIM und Lean Management, S. 128 f



Little BIM:

- Basic functions of high-quality, collision-free and model-based planning using the BIM methodology
- Execution often in only one single planning office, e.g. architect, or only in one planning discipline: 'isolated solution’

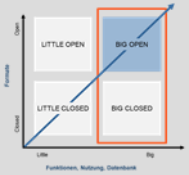
Quelle: Projektmanagement im Hochbau; Mit BIM und Lean Management, S. 128 f



BIG BIM:

- As many model requirements of the client as possible are fulfilled
- Interdisciplinary cooperation of all partners involved in the planning, execution and use of a structure
- Model can be used after completion also for cost calculations, model construction, visualizations and energy calculations, etc.

Quelle: Projektmanagement im Hochbau; Mit BIM und Lean Management, S. 128 f



BIG BIM

architect

in-house technicians

civil engineer

structural engineers

Builder owner

project leader

Facility Manager

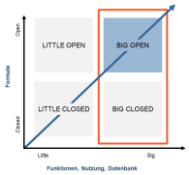
design manager

The IFC data scheme comprises information from all disciplines involved in the construction project over its entire life cycle.

BIG BIM includes the active networking of all parties involved in the construction process

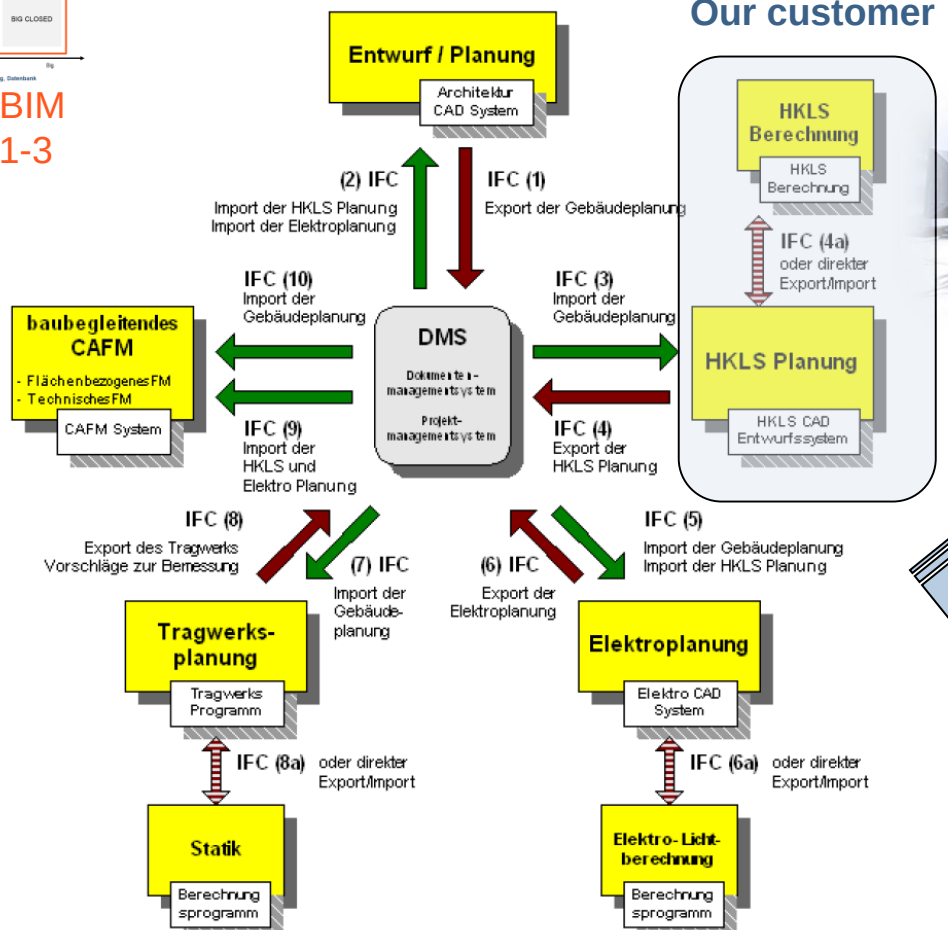
Clearly defined interfaces are required between the connected processes.

With the buildingSMART data model, Industry Foundation Classes (IFC), data can be exchanged between different proprietary software applications.



BIG BIM
GT 1-3

Our customer

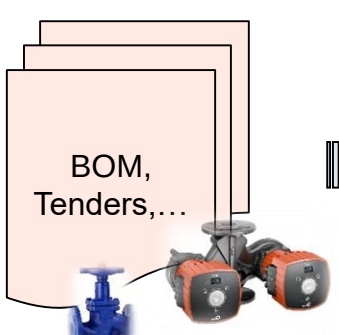


supply

Formats?
Classifications?
Languages?
Specifications?
LOD, LOI?

Producer
Portfolio

Generate



IFC Interface in the design phase)*

)* Quelle: Anwenderhandbuch Datenaustausch BIM / IFC, Seite 16, Building Smart IAI Industrieallianz für Interoperabilität e.V., Ausgabe 2006

E-business at KSB

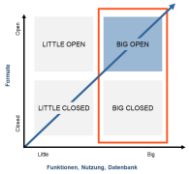
Where Links Mean Business

Web-Shop

- 99,256 orders with an order intake of € 183.5 million
- More than 30,000 pumps and valves, as well as 1.6 million spare parts lists available
- Direct integration of the customer order system

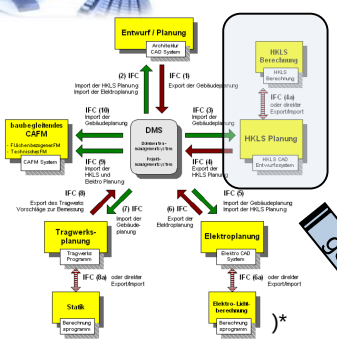
KSB EasySelect®

- Software for selecting the right pump and valve for the job



BIG BIM
GT 1-3

Our customer



supply

generate

BOM,
Tender,…

CAD

3

CAD File via Mail
or Download

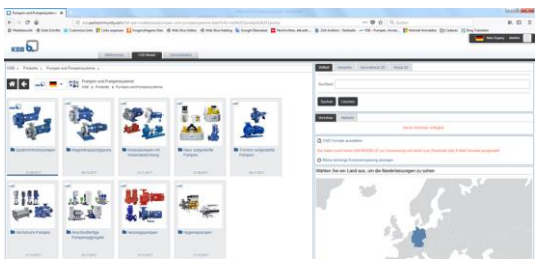
2

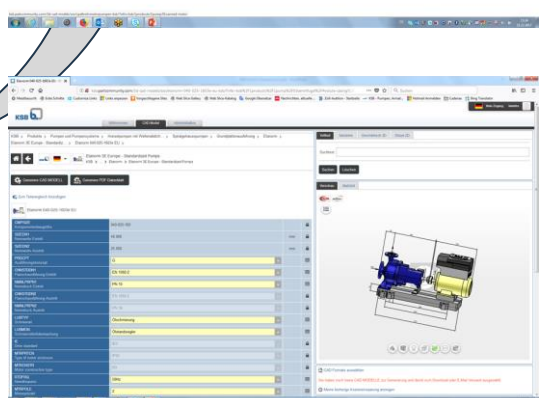
Select required
execution in yellow
drop down fields

KSB-PARTcommunity
www.KSB.com

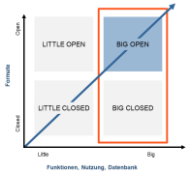
1

Navigation in the portal: select
the desired version via
product tiles...



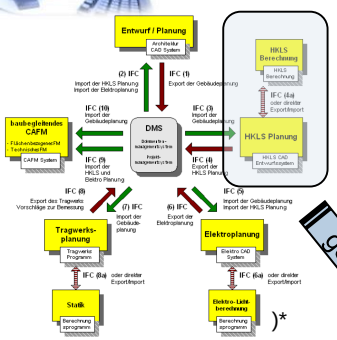


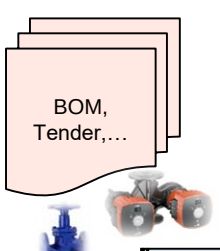
*) Quelle: Anwenderhandbuch Datenaustausch BIM / IFC, Seite 16,
Building Smart IAI Industrieallianz für Interoperabilität e.V., Ausgabe 2006



BIG BIM
GT 1-3

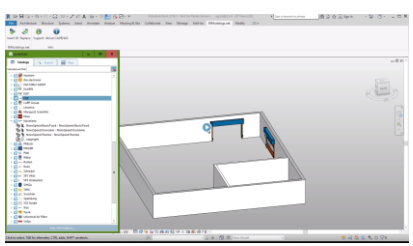
Our customer





1 Request BIMcatalogs.net App in Software

The BIMcatalogs.net app for Revit, ARCHICAD, ALLPLAN, SketchUp and Tekla gives planners direct access to original, manufacturer-certified BIM and CAD content.



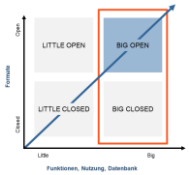
3

CAD File via Connection

KSB-PARTcommunity www.KSB.com

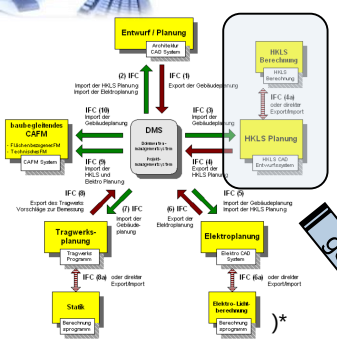
2 Navigation in the portal: select the desired version via product tiles...

*) Quelle: Anwenderhandbuch Datenaustausch BIM / IFC, Seite 16, Building Smart IAI Industrieallianz für Interoperabilität e.V., Ausgabe 2006



BIG BIM
GT 1-3

Our customer



supply

generate

BOM,
Tender,…

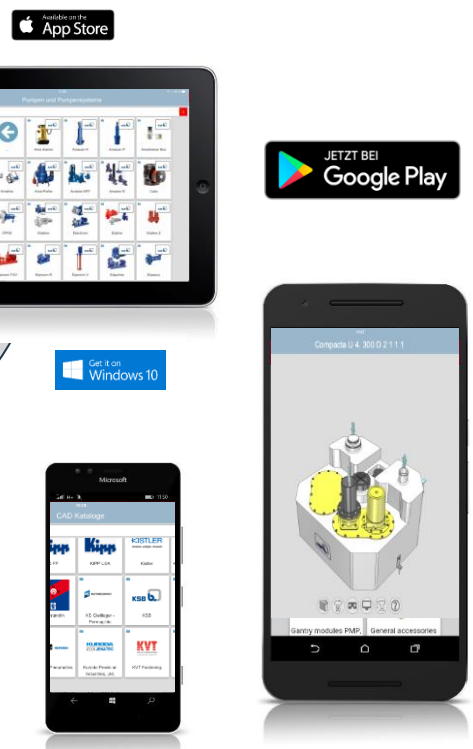
CAD

3 CAD File via Mail

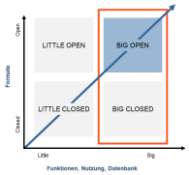
2 Select requested execution

PARTcommunity als APP

1 Navigation in APP: select the desired version via product tiles...

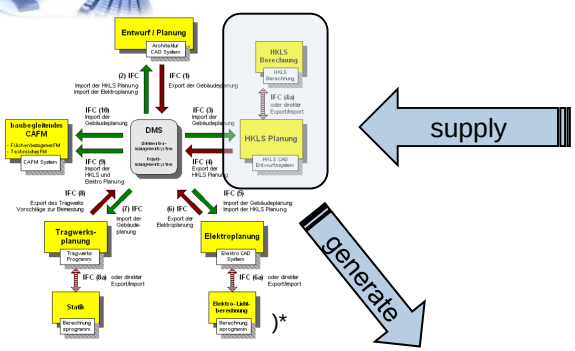


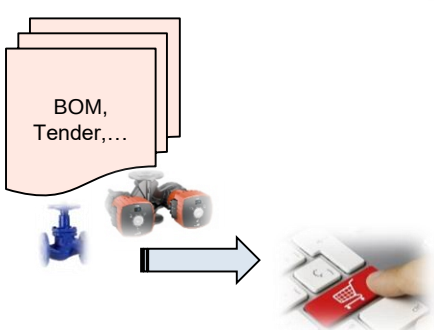
*) Quelle: Anwenderhandbuch Datenaustausch BIM / IFC, Seite 16, Building Smart IAI Industrieallianz für Interoperabilität e.V., Ausgabe 2006



BIG BIM
GT 1-3

Our customer





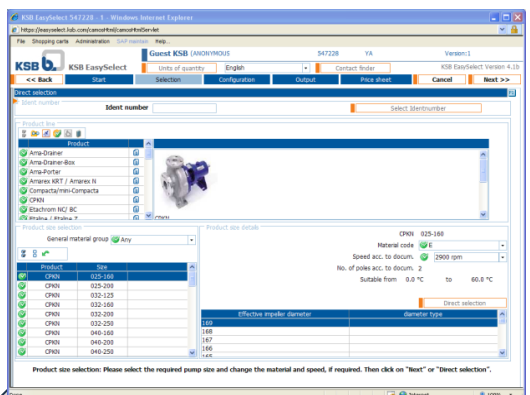
*) Quelle: Anwenderhandbuch Datenaustausch BIM / IFC, Seite 16, Building Smart IAI Industrieallianz für Interoperabilität e.V., Ausgabe 2006

CAD

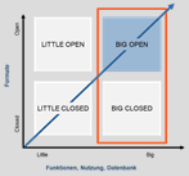
3 CAD File via Mail

KSB Easy Select Produktkonfigurator

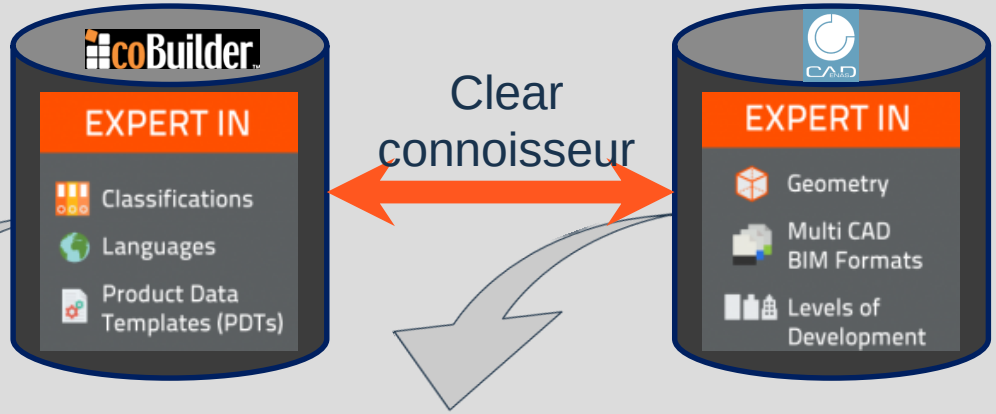
1 Current configuration result via KSB EasySelect

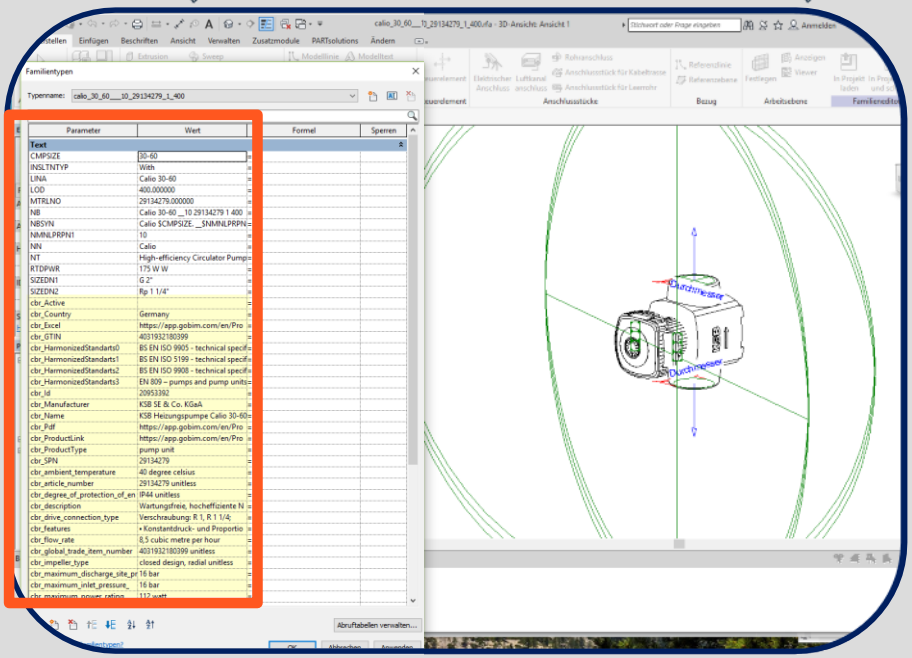


2 Link to KSB PARTcommunity in the documentation output, automatic request for CAD files of configured pump



BIG BIM





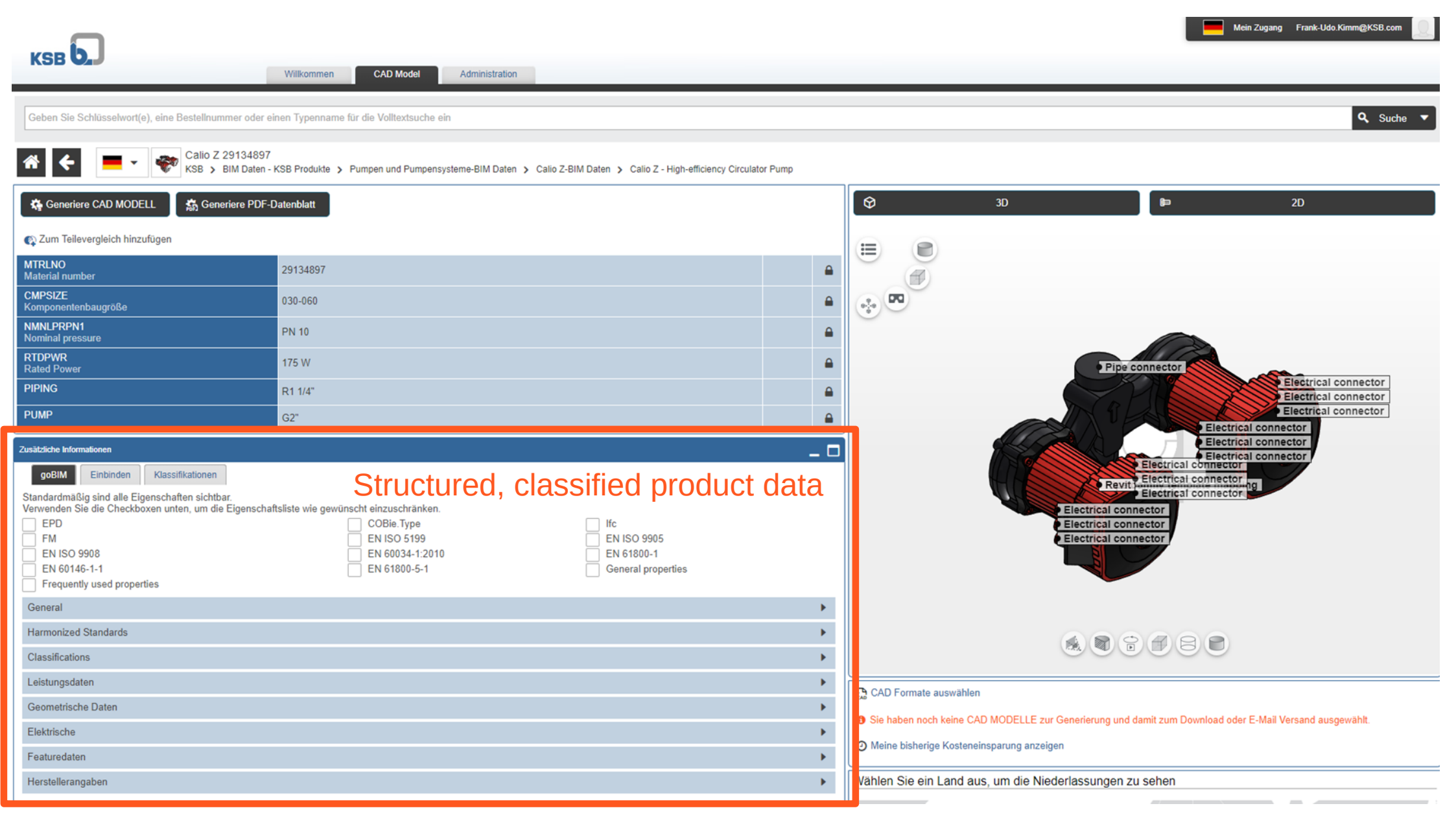
view in CAD Software Revit

*) AIA: Customer information requirements, requirements of the customer as a basis for the creation of the BIM project development plan. Describes the client's requirements, processes and IT infrastructure for digital project management with BIM.

BIG BIM requires structured product data in addition to the CAD files

The client requests structured data in the AIA)*, which are entered by the planners and enriched over the course of the project.

Cadenas implements such requirements, e.g. in Autodesk® Revit®.


Mein Zugang
Frank-Udo.Kimm@KSB.com
Willkommen
CAD Model
Administration
Geben Sie Schlüsselwort(e), eine Bestellnummer oder einen Typenname für die Volltextsuche ein
Suche
Calio Z 29134897
KSB › BIM Daten - KSB Produkte › Pumpen und Pumpensysteme-BIM Daten › Calio Z-BIM Daten › Calio Z - High-efficiency Circulator Pump
Generiere CAD MODELL
Generiere PDF-Datenblatt
Zum Teilevergleich hinzufügen
MTRLNO Material number 29134897
CMPSIZE Komponentenbaugröße 030-060
NMNLPRPN1 Nominal pressure PN 10
RTDPWR Rated Power 175 W
PIPING R1 1/4"
PUMP G2"
Zusätzliche Informationen
goBIM
Einbinden
Klassifikationen
Structured, classified product data
Standardmäßig sind alle Eigenschaften sichtbar.
Verwenden Sie die Checkboxen unten, um die Eigenschaftsliste wie gewünscht einzuschränken.
EPD
FM
EN ISO 9908
EN 60146-1-1
Frequently used properties
COBie.Type
EN ISO 5199
EN 60034-1:2010
EN 61800-5-1
Ifc
EN ISO 9905
EN 61800-1
General properties
General
Harmonized Standards
Classifications
Leistungsdaten
Geometrische Daten
Elektrische
Featuredaten
Herstellerangaben
3D
2D
Pipe connector
Electrical connector
Revit
CAD Formate auswählen
Sie haben noch keine CAD MODELLE zur Generierung und damit zum Download oder E-Mail Versand ausgewählt.
Meine bisherige Kosteneinsparung anzeigen
Wählen Sie ein Land aus, um die Niederlassungen zu sehen

Zusätzliche Informationen

goBIM | Einbinden | Klassifikationen

Structured, classified product data

Standardmäßig sind alle Eigenschaften sichtbar.
Verwenden Sie die Checkboxen unten, um die Eigenschaftsliste wie gewünscht einzuschränken.

- [ ] EPD
- [ ] FM
- [ ] EN ISO 9908
- [ ] EN 60146-1-1
- [ ] Frequently used properties
- [ ] COBie.Type
- [ ] EN ISO 5199
- [ ] EN 60034-1:2010
- [ ] EN 61800-5-1
- [ ] Ifc
- [ ] EN ISO 9905
- [ ] EN 61800-1
- [ ] General properties

General

Harmonized Standards

Classifications

System	Code	Description
NS 3451	315	utstyr for sanitærinstallasjoner
NS 3451	325	utstyr for varmeinstallasjoner
NS 3451	375	utstyr for komfortkjøling
Ifc 2x4	IfcPump	pump
SFG20	45-01	pumps - general
revit categories	(-2001140)	mechanical equipment
TFM komponentkoder	JP	pumpe
TFM komponentkoder	JQ	pumpe i VA-installasjoner
CPV	42122000-0	pumps
Uniclass 2 - Products	Pr_65_53	pump products
Omniclass 2012	23-27 17 00	pumps
Uniclass 2015_Products Table	Pr_65_53	pump products
UNSPSC	40151500	pumps
CI/SfB	y	general engineering services
NRM 3	5	Services
BSAB	PKB	pumpar
Uniclass 1.4	L7114	Pumps for water supply/distribution
Uniclass 1.4	L7531	HVAC circulation pumps

Leistungsdaten

Property	Description	Value	Unit
Drehzahl	minimale Drehzahl Dauerbetrieb	1000	Umdrehungen pro Minute
	maximale Drehzahl Dauerbetrieb	3500	Umdrehungen pro Minute
Energieeffizienzindex	Energieeffizienzindex	<= 0.23	ohne Einheit
Nenndruck/Druckstufe	Druckstufe	PN 10	ohne Einheit
Temperaturklasse	Temperaturklasse	TF 110	ohne Einheit

Geometrische Daten

Elektrische

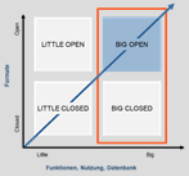
CAD Formate auswählen

Sie haben noch keine CAD MODELLE zur Generierung und damit zum Download oder E-Mail Versand ausgewählt.

Meine bisherige Kosteneinsparung anzeigen

Wählen Sie ein Land aus, um die Niederlassungen zu sehen

KSB



BIG BIM

Data-quality guideline

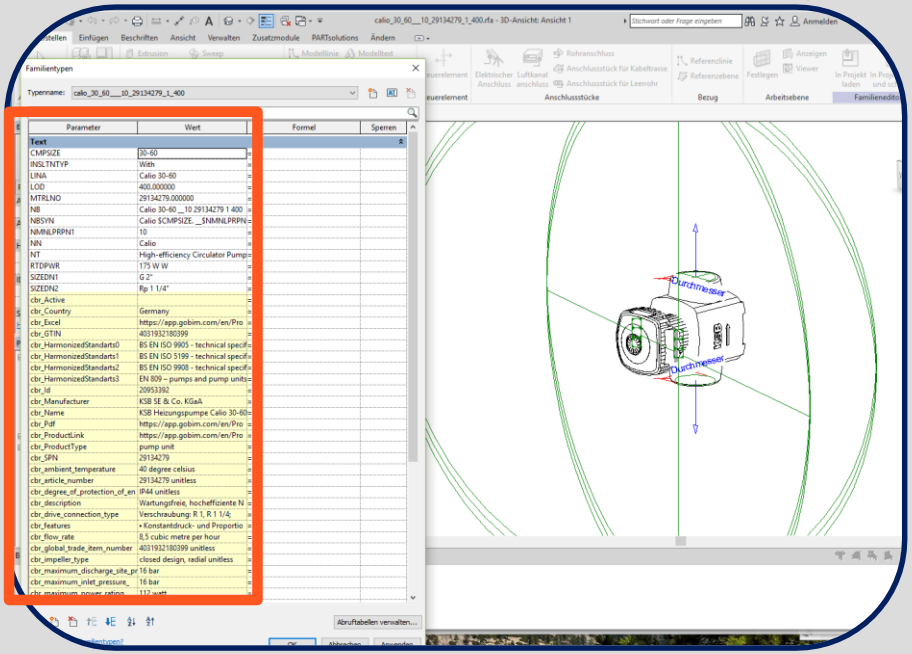
shk-branchenportal.de

Clear connoisseur

ARGE

NEUE MEDIEN

BIM Portal



additional BIM Portals

additional BIM Portals

additional BIM Portals

view in CAD Software Revit

ARGE BIM Portal: CAD Files inclusive Structured, classified product data

In connection with the structured product data of the SHK industry portal in combination with the CAD file provision of Cadenas,

MULTI CAD product data

can be provided.

Kontakt

Dipl. Ing. (TH) Frank-Udo Kimm

KSB SE & Co. KGaA
Bahnhofstraße 1
91257 Pegnitz

Tel. +49 9241/71-1684
E-Mail: Frank-Udo.Kimm@ksb.com

Info:
Frank Udo Kimm studierte Maschinenbau an der RWTH Aachen. Er startete seine Tätigkeit als Ingenieur im Technischen Vertrieb bei der KSB Aktiengesellschaft und sammelte dort nationale und internationale Vertriebserfahrung. 2002 wurde er zum Vice President Product Management berufen und war bis 2010 verantwortlich für das weltweite Ergebnis der von ihm verantworteten Produkte. Heute zeichnet er neben der Technischen Dokumentation verantwortlich für den Ausbau des Global-Language-Managements und seit 2014 für das Prozessmanagement im Konzern. Im Rahmen der digitalen Transformation stellt die KSB AG die Weichen, um mithilfe neuer Prozesse und Technologien ihr Produkt- und Leistungsportfolio der digitalen Welt anzupassen. Dabei wird KSB von CADENAS bereits seit dem letzten Jahrtausend unterstützt.

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