



BIM Project.Cloud

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ICIS DA Cologne 2018-06-19



About BIM Project



- Established in 2013, based in Prague, Czech Republic
- Privately owned (for now)
- We are a team of architects and programmers
- Total of 10-18 people in the office
- Experience with development of BIM libraries since 2007
- Developing Libraries, Plugins, Cloud for architects



Selected clients



AGC

R | REYNAERS
aluminium

xella[®]

A stylized line graph with peaks and valleys in blue, red, and orange.
SAINT-GOBAIN

A yellow arrow pointing right, composed of several parallel lines of varying lengths.
Halla

Alca PLAST[®]

A green outline of a house or a simple building.
CETRIS[®]

A stylized yellow and black graphic resembling a hammer or a tool head.
weber
SAINT-GOBAIN

2N

SPEDOS[®]

INGE[®]

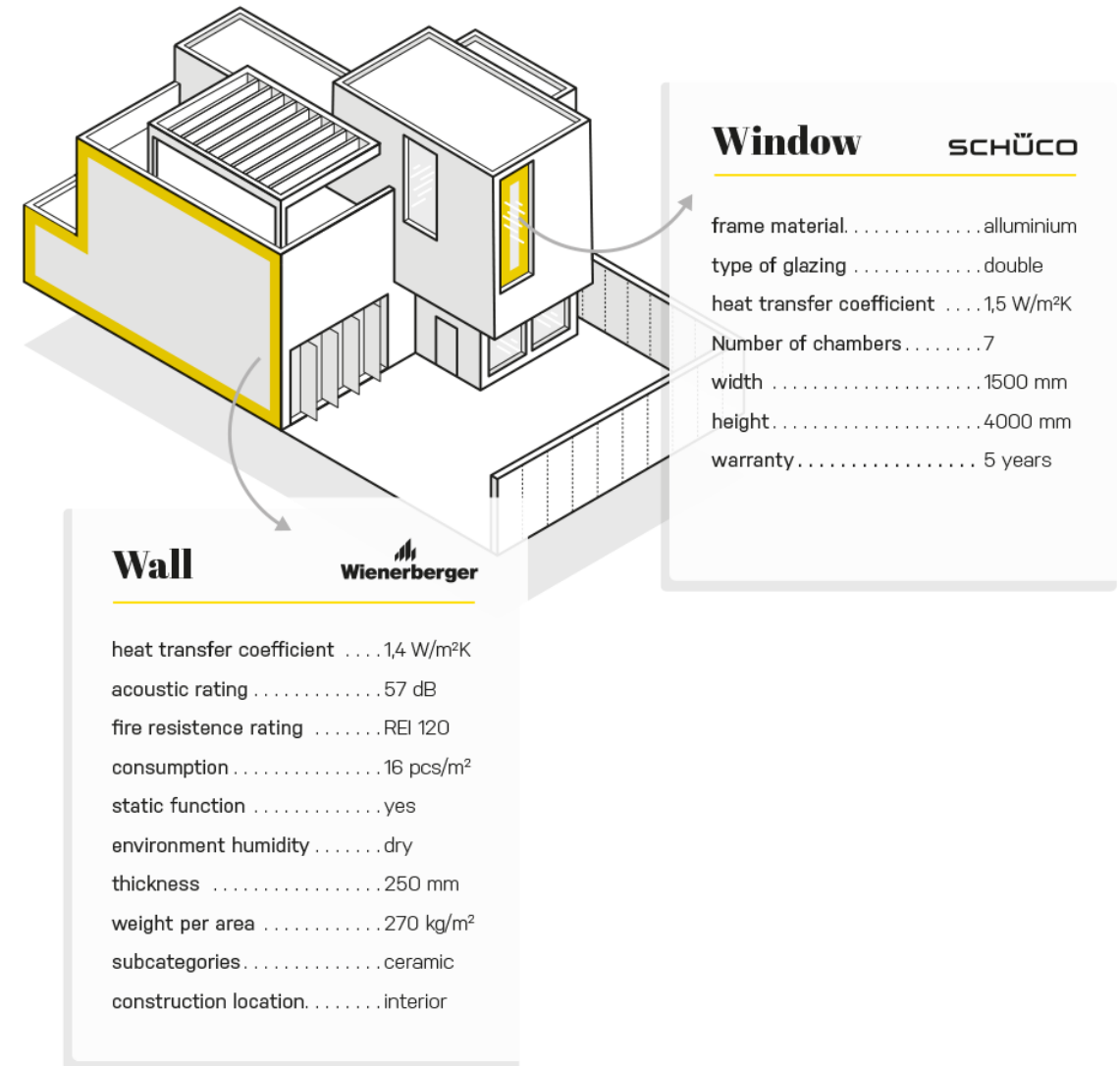
A blue globe with white lines representing latitude and longitude.
Rigips
SAINT-GOBAIN

Partners



What our users need

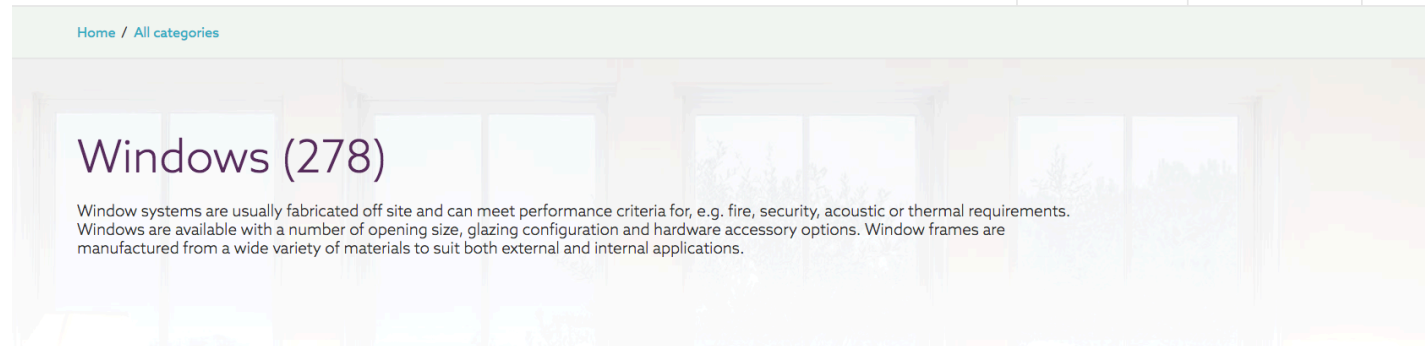
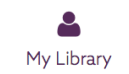
- every element in BIM model can contain **data**:
number of **product properties** including
geometry, physical properties, document
links, warranty, price etc.
- BIM means **working with data**
- every participant in the building lifecycle is
creating, modifying, using or sharing data of
building elements
- this data is what **investors** want to have and
this is **what your customers need** from you



National BIM library UK



All Categories Search for manufacturers or products



Windows (278)

Window systems are usually fabricated off site and can meet performance criteria for, e.g. fire, security, acoustic or thermal requirements. Windows are available with a number of opening size, glazing configuration and hardware accessory options. Window frames are manufactured from a wide variety of materials to suit both external and internal applications.

← Hide Filters Clear all Showing 1-36 of 278 Show more results per page Most Relevant

- Results from My Library
- Downloaded (2)
- Sub Category
- External window system (91)
 - Framed rooflights (68)
 - PVC-U window units (51)
 - Aluminium window units (42)
 - Wood window units (10)
 - Wood frame roof window un... (6)
 - Daylight pipes (5)
 - Rigid polyurethane frame ro... (3)
 - Aluminium frame roof windo... (1)
 - Thermal Bridging (1)

Objects from

Manufacturers (258)
NBS (20)

Software Platform

Can't find a BIM Object? 1 2 ... 8 >

<p>Conservation French Casement Window Mumford & Wood Ltd</p> <p>Download Add to bundle</p>	<p>Timber Casement Window - Single David Salisbury Commercial</p> <p>Download Add to bundle</p>	<p>Timber Casement Window - Double David Salisbury Commercial</p> <p>Download Add to bundle</p>	<p>Timber Casement Window - Triple David Salisbury Commercial</p> <p>Download Add to bundle</p>
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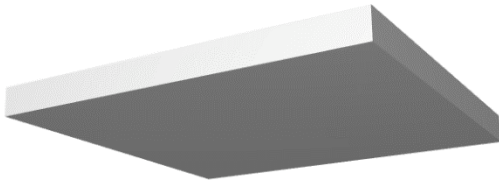
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How to work with products?

- We can't solve how to manage different products / objects in different countries
- Users have too little or too much information in objects
- **We can't keep objects up-to-date**

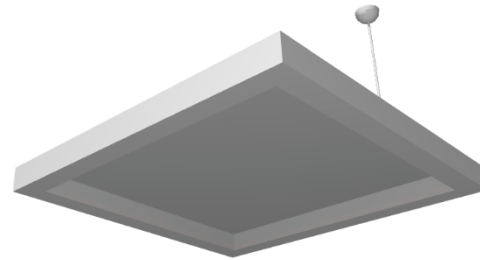


Geometry



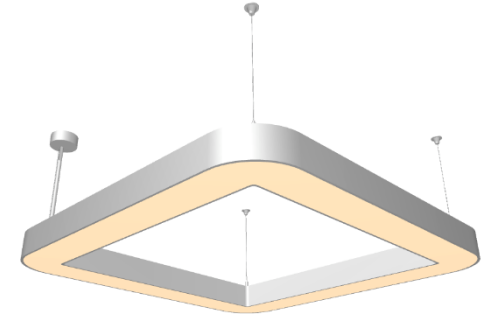
LOD 100

- Just **geometry primitives**
- Sufficient for BIM



LOD 200

- Generic model - **all products** of the same type **look the same**
- Better project coordination



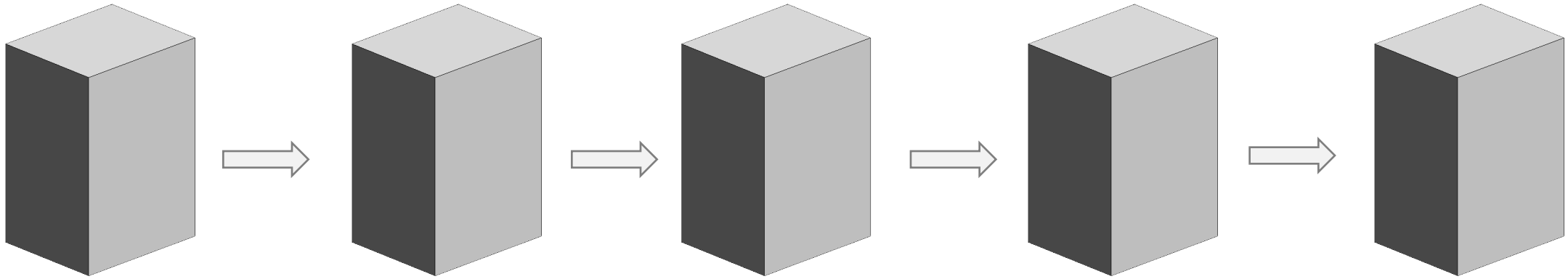
LOD 400

- Real appearance, but we have to prepare this for each software

Compatibility



Product information



- type: **sink**

- type: **sink**
- width: **600 mm**
- colour: **white**

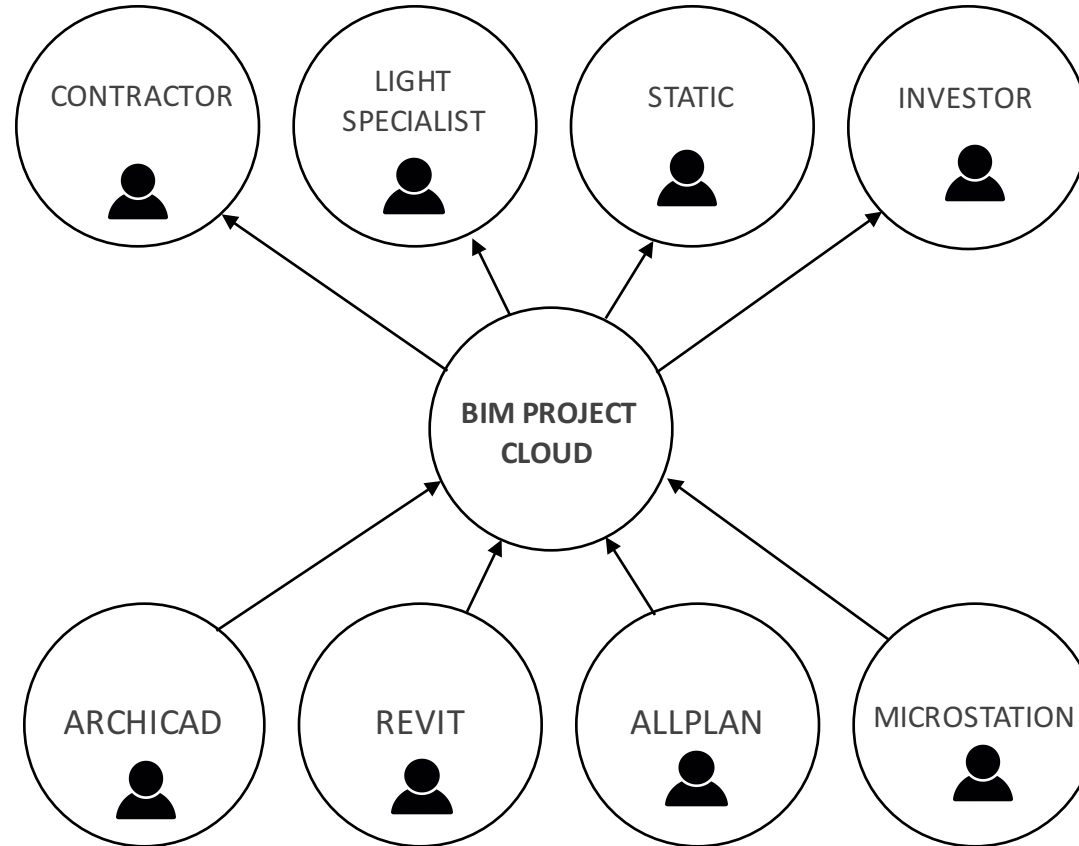
- typ: **sink**
- width: **600 mm**
- max.price: **500 EUR**
- colour: **white**
- manufact.: **LAUFEN**

- type: **sink**
- width: **580 mm**
- max.price: **800 EUR**
- colour: **white**
- anchor: **gypsum wall**
- manufact.: **LAUFEN**

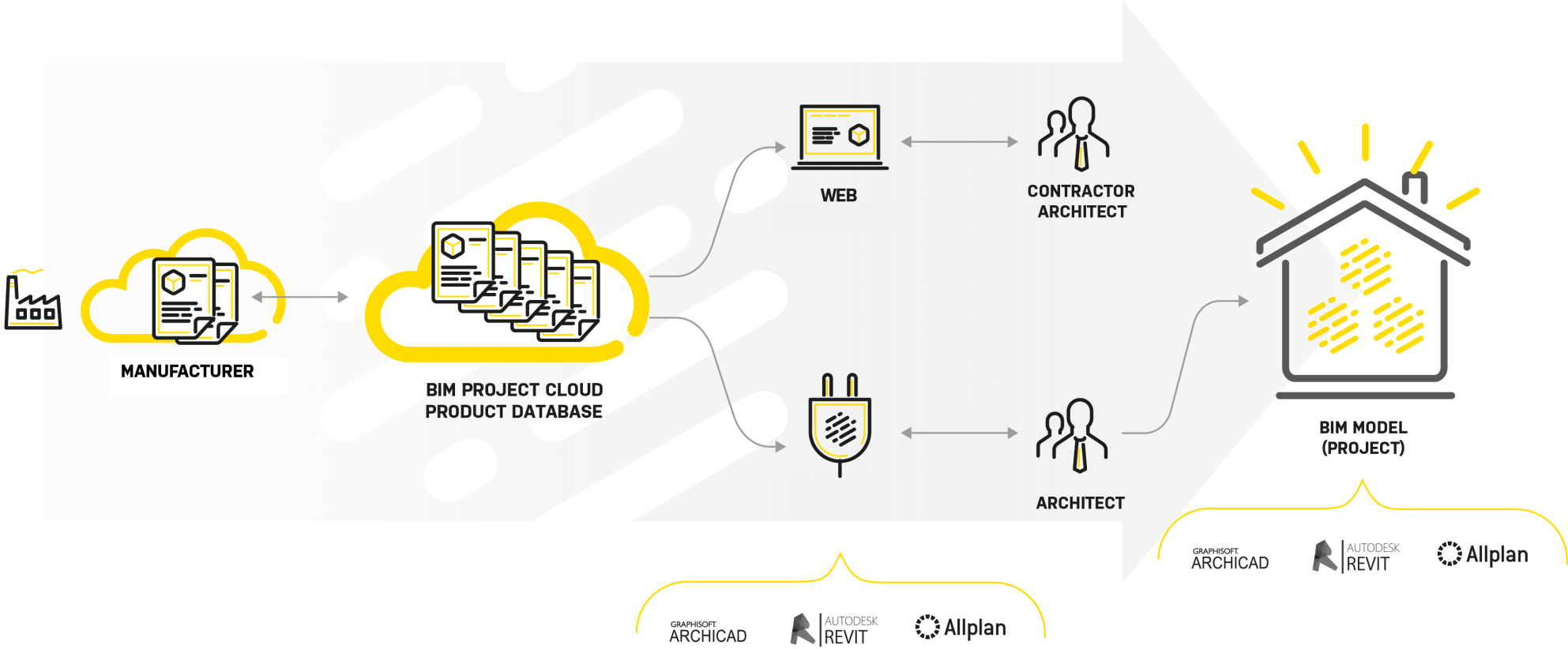
- type: **sink**
- width: **580 mm**
- price: **690 EUR**
- colour: **white**
- anchor: **gypsum wall**
- manufact.: **LAUFEN**

- series: **VAL**
- material: **saphirK**
- faucet: **on top**
- code: **810287**

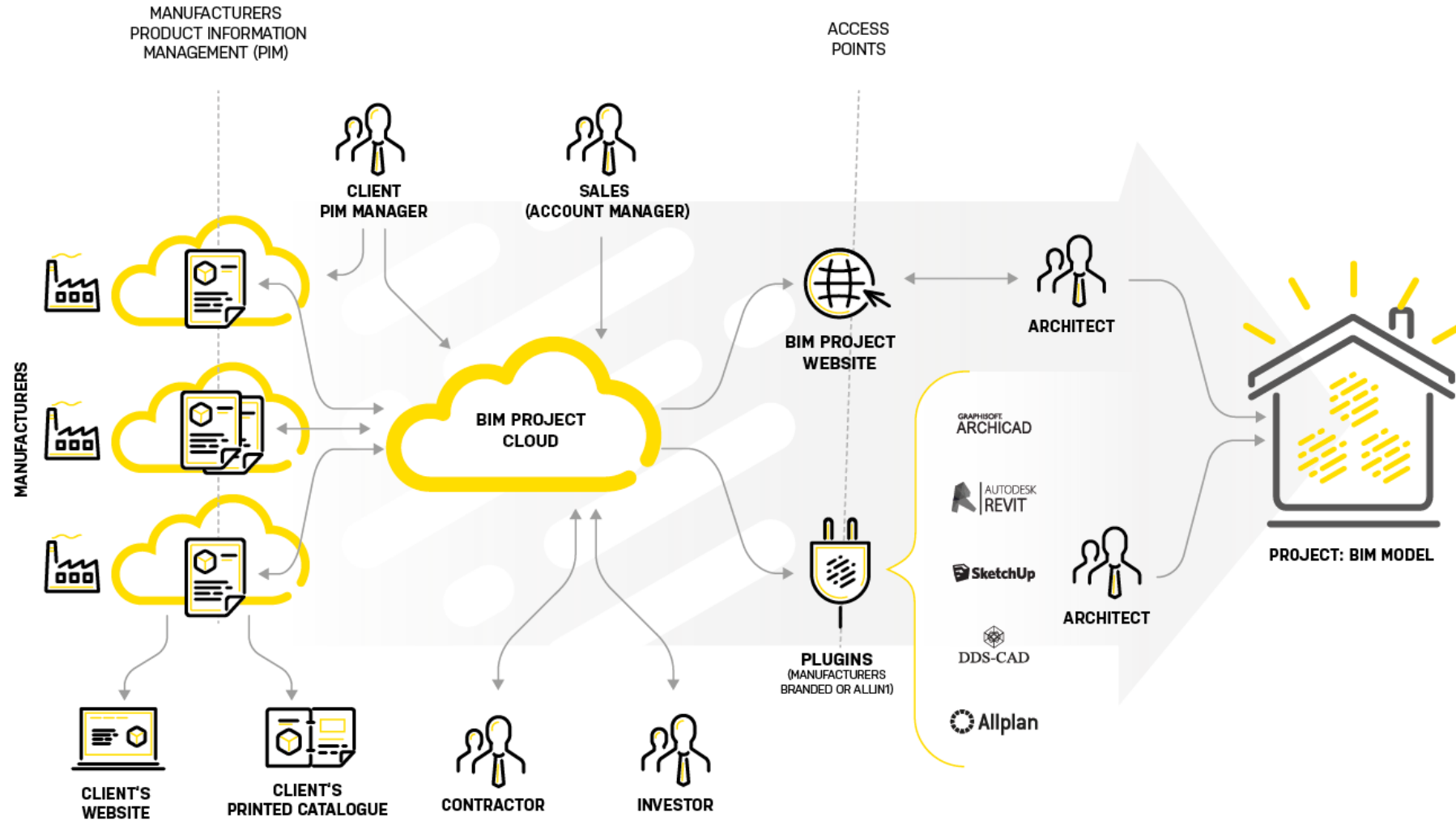
Our goal



BIM Project.Cloud



BIM Project.Cloud



BIM Project.Cloud

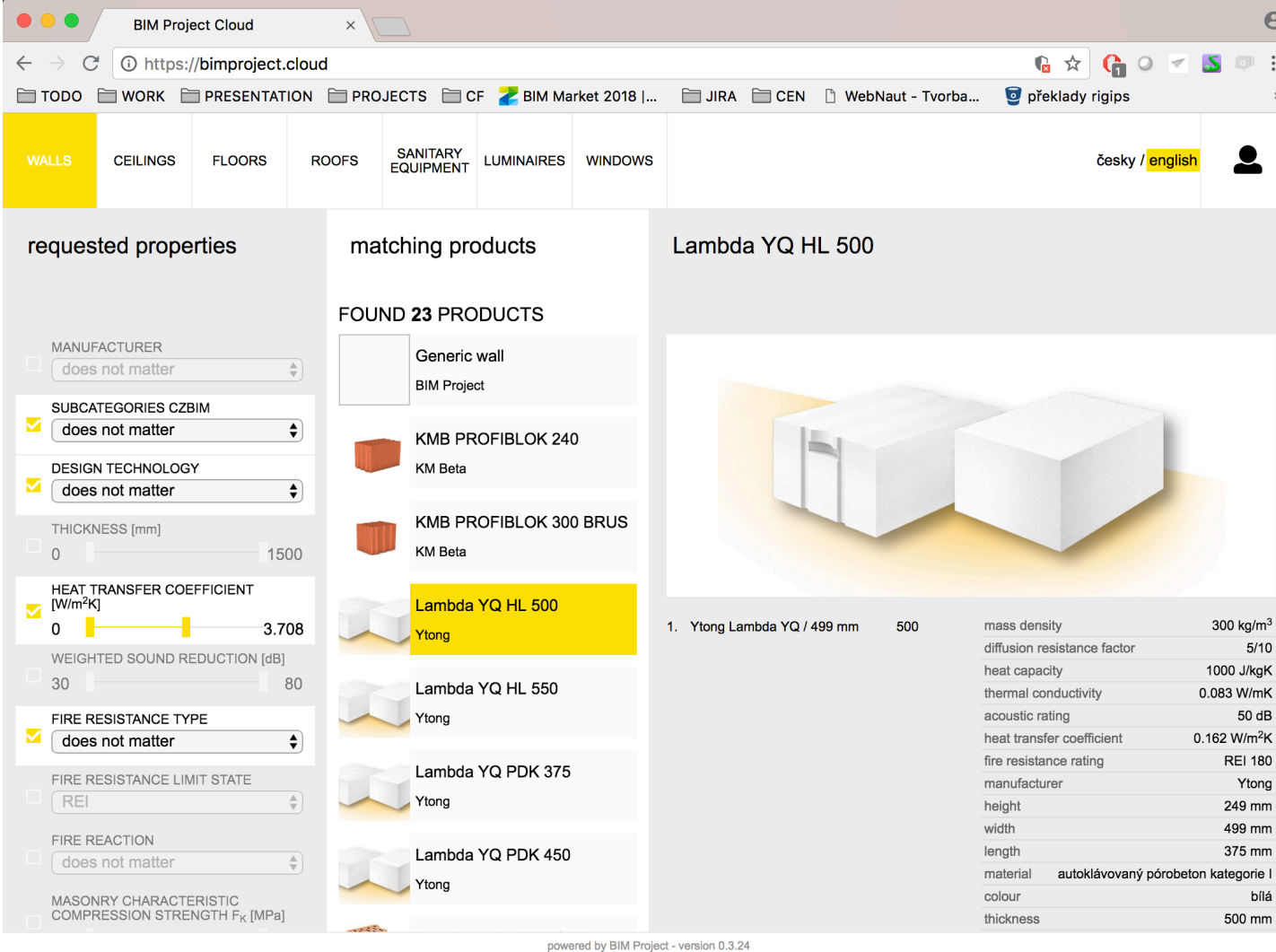


The screenshot displays the BIM PROJECT CLOUD interface for selecting interior lighting. The main window is titled "INTERIOR LIGHTNING" and is overlaid on a Revit model. The interface is divided into several sections:

- REQUESTED PROPERTIES:** A list of properties with filters for WALLS, FLOORS, WINDOWS, ROOFS, SANITARY EQUIPMENTS, and DOORS. The "LENGTH" property is set to 1071, and "MOUNTING TYPE" is set to "does not matter".
- MATCHING PRODUCTS:** A list of recommended lighting products, including "SEVEN SQUARE 1400/106 HI LED DALI", "SEVEN SQUARE 1800/106 HI LED DALI", "KVADRA 70 HI DALI LED MP 07", "SEVEN RING 1250/68 LI LED DALI", "SEVEN C LI LED 1250 D OP 09", "SEVEN C HI LED 1550 DALI", "SEVEN C LI LED 1550 DALI", "SEVEN TRIANGLE 1400/106 LI LED", and "SEVEN TRIANGLE 1800/106 LI LED".
- SEVEN C LI LED 1250 D OP 09:** A detailed view of the selected product, showing a 3D rendering of the ring light and a "CONTACT" button.
- PARAMETERS:** A table of technical specifications for the selected product.

PARAMETERS	VALUE
model	SEVEN C LI LED1250
diffusion resistance factor	SEVEN C LI LED1250 D OP 09
height	
width	70 mm
length	1250 mm
material	1250 mm
ean	aluminium
power input	929764809262
power supply	108 W
	220 - 240 V

At the bottom of the interface, there are buttons for "INSERT SPECIFICATION", "ADD TO PROJECT", and "CLOSE". The background shows a Revit interface with a toolbar and a project browser.



The screenshot displays the BIM Project Cloud web application interface. The browser address bar shows the URL <https://bimproject.cloud>. The navigation menu includes categories like WALLS, CEILINGS, FLOORS, ROOFS, SANITARY EQUIPMENT, LUMINAIRES, and WINDOWS. The current view is for 'WALLS'. The interface is divided into three main sections: 'requested properties', 'matching products', and a detailed view for the selected product, 'Lambda YQ HL 500'.

requested properties

- MANUFACTURER: does not matter
- SUBCATEGORIES CZBIM: does not matter
- DESIGN TECHNOLOGY: does not matter
- THICKNESS [mm]: 0 1500
- HEAT TRANSFER COEFFICIENT [W/m²K]: 0 3.708
- WEIGHTED SOUND REDUCTION [dB]: 30 80
- FIRE RESISTANCE TYPE: does not matter
- FIRE RESISTANCE LIMIT STATE: REI
- FIRE REACTION: does not matter
- MASONRY CHARACTERISTIC COMPRESSION STRENGTH F_k [MPa]:

matching products

FOUND 23 PRODUCTS

- Generic wall
BIM Project
- KMB PROFIBLOK 240
KM Beta
- KMB PROFIBLOK 300 BRUS
KM Beta
- 1. Ytong Lambda YQ / 499 mm 500**
- Lambda YQ HL 500
Ytong
- Lambda YQ PDK 375
Ytong
- Lambda YQ PDK 450
Ytong

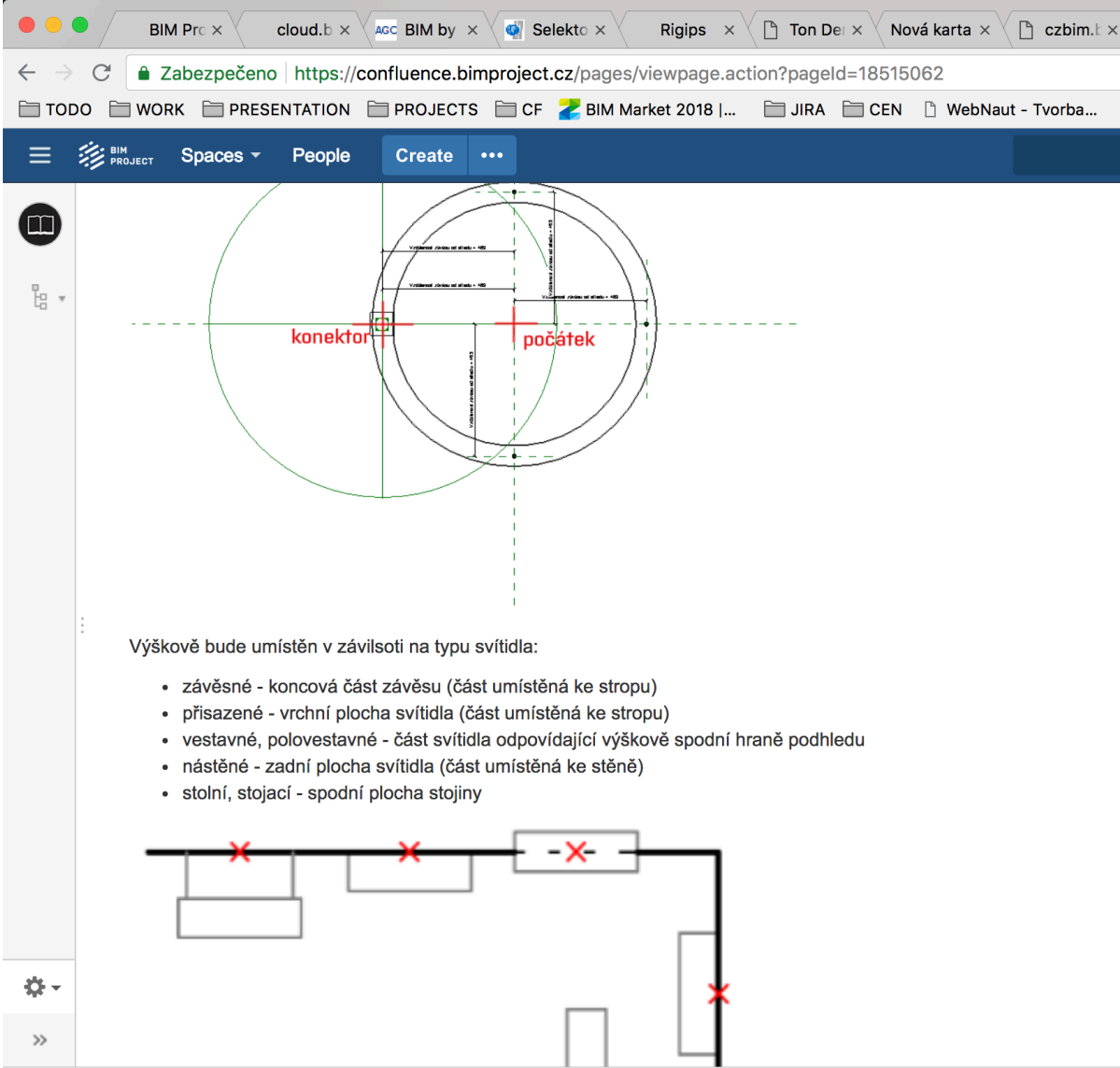
Lambda YQ HL 500

1. Ytong Lambda YQ / 499 mm 500

mass density	300 kg/m ³
diffusion resistance factor	5/10
heat capacity	1000 J/kgK
thermal conductivity	0.083 W/mK
acoustic rating	50 dB
heat transfer coefficient	0.162 W/m ² K
fire resistance rating	REI 180
manufacturer	Ytong
height	249 mm
width	499 mm
length	375 mm
material	autoklávovaný pórobeton kategorie I
colour	bílá
thickness	500 mm

powered by BIM Project - version 0.3.24

BIM types



Výškově bude umístěn v závislosti na typu svítidla:

- závěsné - koncová část závěsu (část umístěná ke stropu)
- přisazené - vrchní plocha svítidla (část umístěná ke stropu)
- vestavné, polovestavné - část svítidla odpovídající výškově spodní hraně pohledu
- nástěnné - zadní plocha svítidla (část umístěná ke stěně)
- stolní, stojací - spodní plocha stojiny

- Parameters
 - geometry
 - properties
- Geometry
 - generic
 - real
 - each BIM software different
- Classification
 - Omniclass
 - Uniclass
 - NBS

Product information import



Excel File Upravit Zobrazit Insert Format Tools Data Okno Nápověda

parameters for boiler (2)

Home Insert Page Layout Formulas Data Review View

Cut Copy Paste Format

Calibri 11

Wrap Text Merge & Center

General

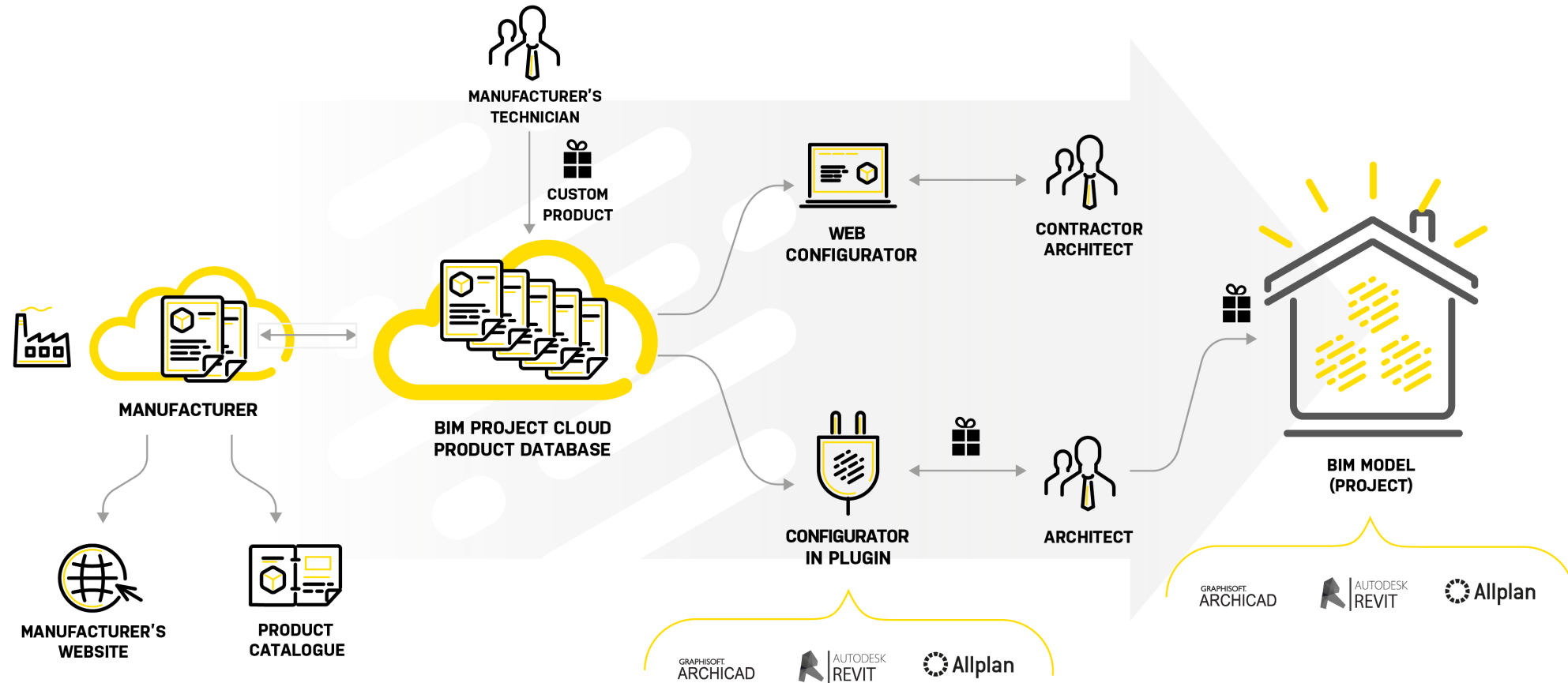
Conditional Formatting Format as Table Cell Styles

Insert Delete Format

D19

	N	O	P	Q	R	S	T	U	V	W
1	Náhledový obrázek	Kategorie paliva	Typ paliva	Hloubka	Šířka	Výška	Hmotnost	Jmenovitý výkon	Modulovaný výkon	Účinnost
	soubor se stejným názvem	Kategorie paliva kotle	kotle. Jednotlivé varianty odděleny	celková hloubka v mm	celková šířka v mm	celková výška v mm	hmotnost kotle	on. Desetinná místa psát s desímkou	on. Desetinná místa psát s desímkou	lní účinnost kotle. Psát jako desetinná
2	FILE	CLASS	TEXT	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
3				mm	mm	mm	mm	kW	kW	
5	edia/cs_CZ/media/666616	plynové	zemní plyn	470	520	980 (1326)	70	63	20.8	97.1
6	edia/cs_CZ/media/666616	plynové	zemní plyn	470	520	980 (1326)	70	95	31.2	97.2
7	lia/cs_CZ/media/631934_	plynové	zemní plyn	420	520	735 (745) (845)	45,6 (51)	48	47.9;16.2	88.7;99.3
8	lia/cs_CZ/media/631934_	plynové	zemní plyn	420	520	735 (745) (845)	45,6 (48)	34	33.7;11.3	88.8;98,8
9	edia/cs_CZ/media/66884	plynové	zemní plyn E, LL	736	670	1470	100 (124)	93	93;31	88.1;98.0
10	edia/cs_CZ/media/66884	plynové	zemní plyn E, LL	736	670	1470	128 (180)	140	139.8;46.5	88.1;97.7
11	cs_media/cs_CZ/media/6	plynové	zemní plyn E, LL	1868	845	1578	410	297	297.2;98.8	88.4;97.3
12	cs_media/cs_CZ/media/6	plynové	zemní plyn E, LL	1868	845	1578	438	367	367.4;121.8	88.7;97.2
13	dia/cs_CZ/media/666626	olejové/plynové	odle DIN 51603, zemní plyn, zkapalněný plyn, bioplyn				1900			
14	dia/cs_CZ/media/666626	olejové/plynové	odle DIN 51603, zemní plyn, zkapalněný plyn, bioplyn				2060			

Custom products



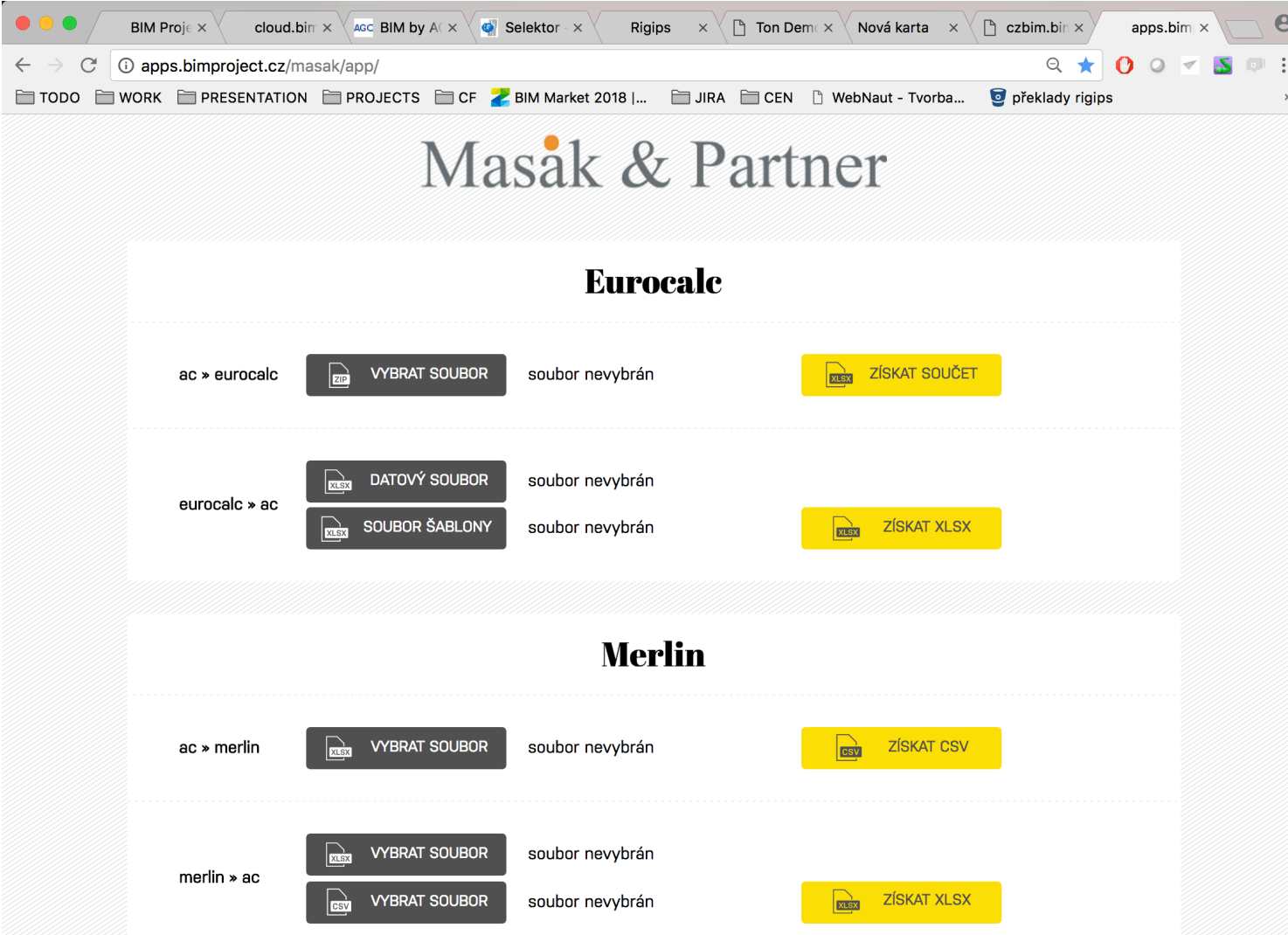
Case studies



SCHINDLER
SEKO ARCHITECTS






 **OBERMEYER**
HELIKA a.s.

 Masak & Partner








Masak & Partner

Eurocalc

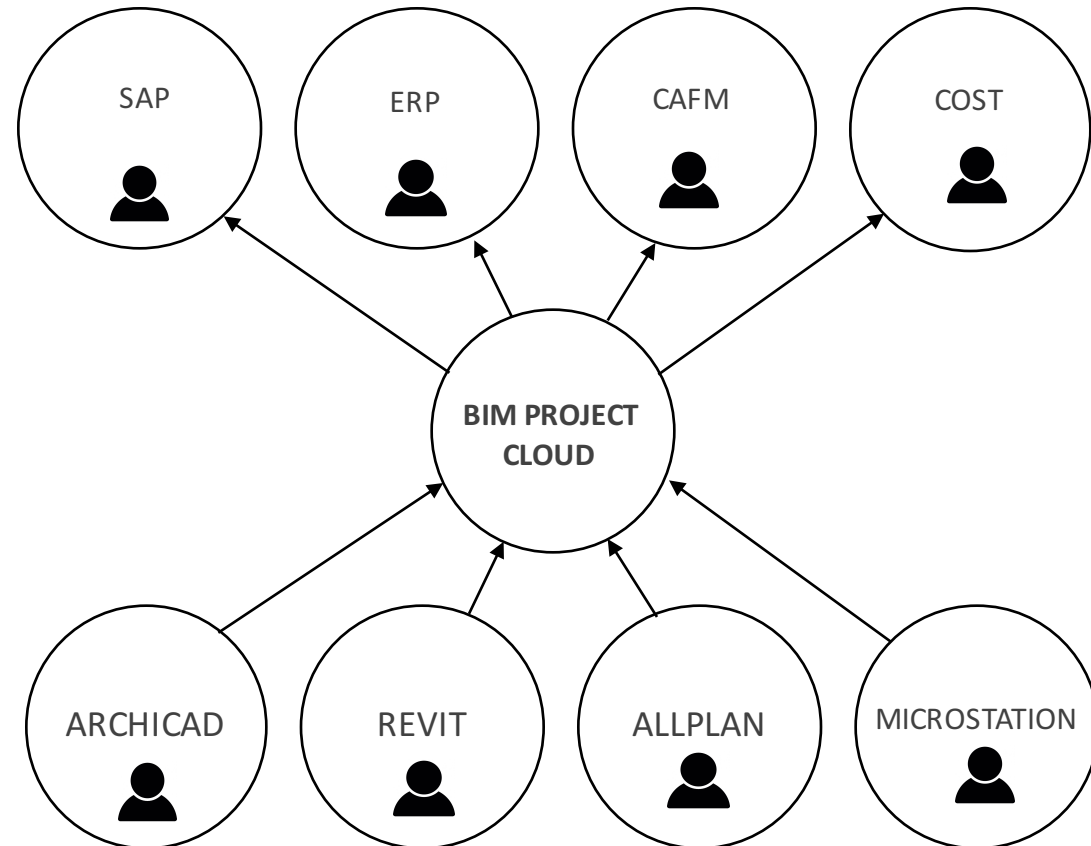
ac » eurocalc	 VYBRAT SOUBOR	soubor nevybrán	 ZÍSKAT SOUČET
eurocalc » ac	 DATOVÝ SOUBOR	soubor nevybrán	 ZÍSKAT XLSX
	 SOUBOR ŠABLONY	soubor nevybrán	

Merlin

ac » merlin	 VYBRAT SOUBOR	soubor nevybrán	 ZÍSKAT CSV
merlin » ac	 VYBRAT SOUBOR	soubor nevybrán	 ZÍSKAT XLSX
	 VYBRAT SOUBOR	soubor nevybrán	

What we need

- More users
 - & feedback
- Partners to connect with
- Partners for sales
- Considering investments



BIM for FREE



BIM Project cloud Web configurator	FREE	✓
BIM Project cloud plugin	FREE	✓
Data import	FREE	✓
Generic geometry	FREE	✓
PIM administration	FREE	✓
All languages	FREE	✓

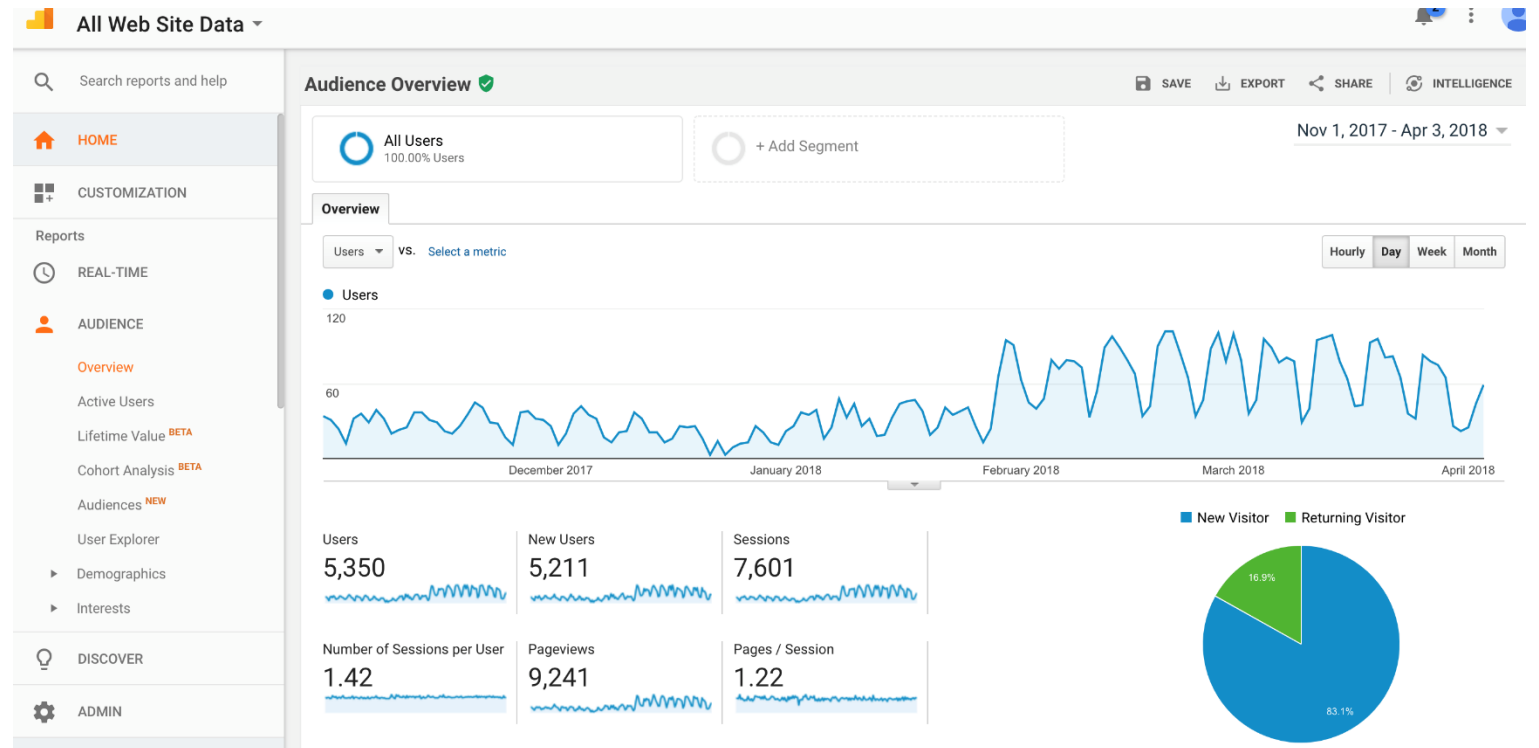
Premium features



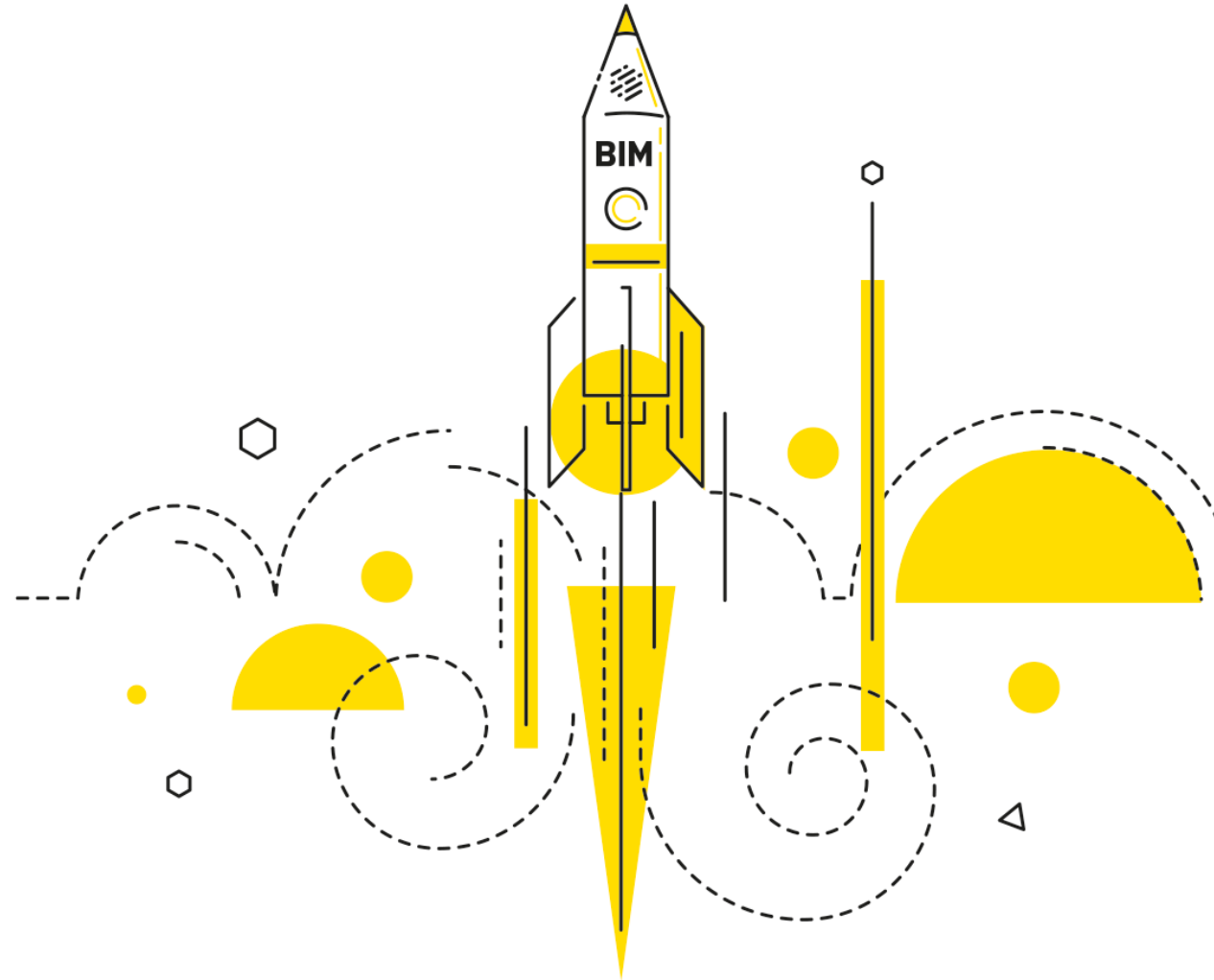
Premium features



- Branded configurators in plugins
- Branded web configurators
- Analytics



Questions?





**Thank you
for your attention!**



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