

HELLA

Jalousien. Markisen. Rollläden.

Motivation & 1st Steps in BIMcatalogs

Weitlaner Robert

Head of R&D + techn. Documentation

HELLA is:





Personal Background

- edu. degree Physics/Math + Degree Building Physics
- Research on Daylight and Integral Building Energy Modelling/Design
- University of Innsbruck Prof. Tautschnig „Merkmalsserver“

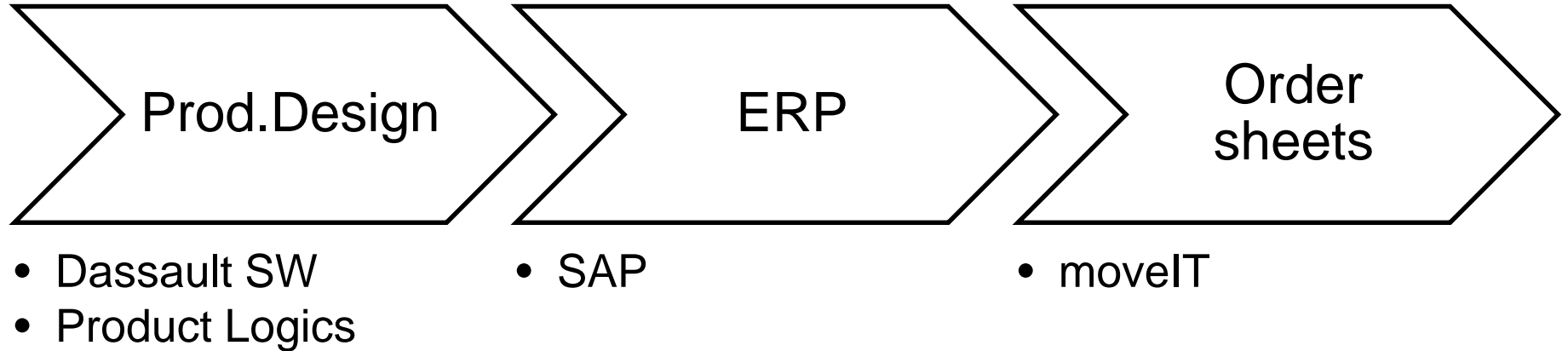
started at HELLA in 2015

Initiation in 2015

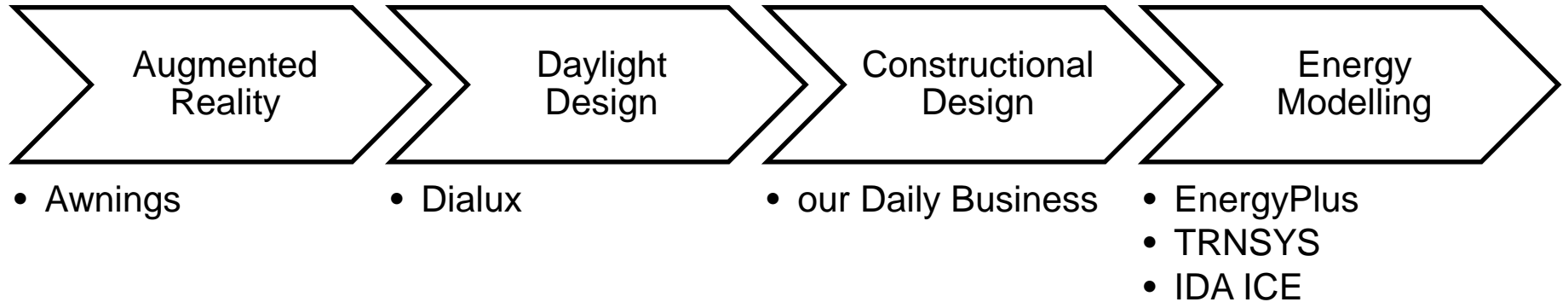


final GO 08/17

Internal (pushing) Forces



External (pulling) Forces



Complexity in Solar Shading

The Fairy Tale or *What Sales Guys tell?*



a Fischer



a venetian Blind ARB80



The Fairy Tale or *What Sales Guys tell?*

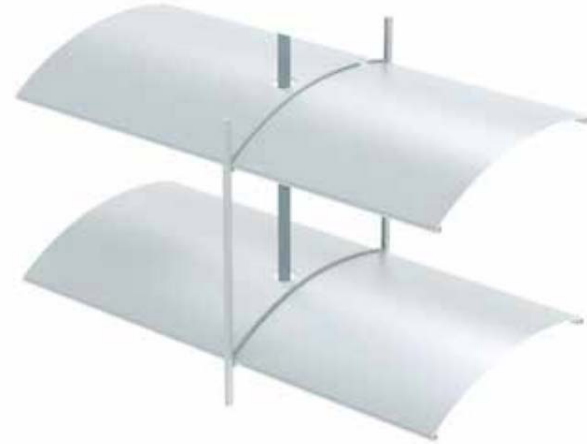


a Fischer



- 3 Questions (or more?)

a venetian Blind ARB80



- 85 Questions

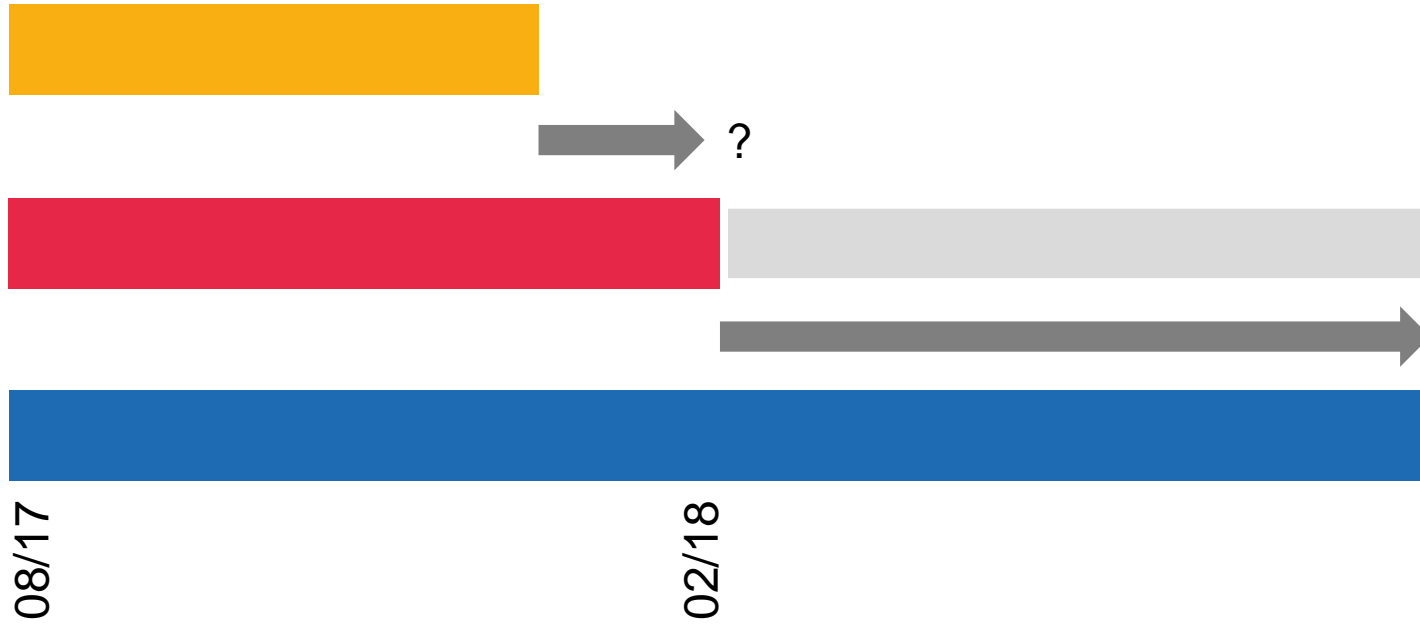


Example

Picture of order sheet

- Picture of additional windcables

When the complextiy showed up to everyone





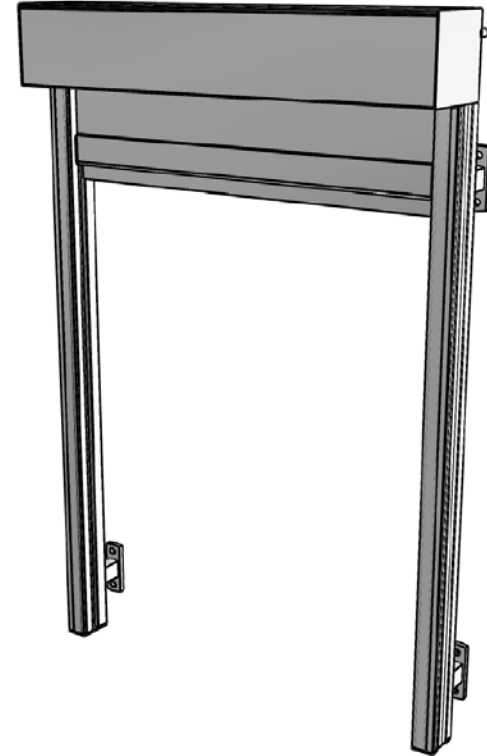
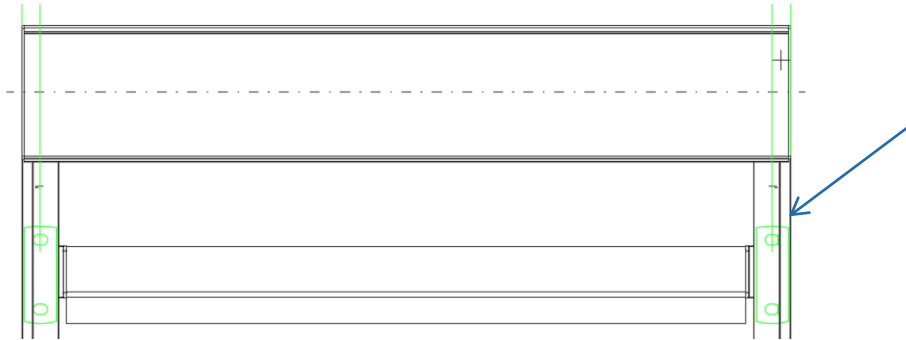
Achievements

February 2018



Facade Awning VB507

- Configuration ✓
- 3D Dimensions in preview ✓
- Cosmetic elements in 2D Downloads ✓





Next Steps



- LOD 1 + 3
- Integrate full portfolio



Definition of Necessary Metadata

- Building Energy characteristics
 - γ (3D)
 - Daylight (BSDF)
 - Energy Solar Heat Gain - reduction (F_c) – depending on the glass
- Bid for Tender Text
- Electrification/Consumption data
- Control characteristics
- Surface Definitions (Renderings)

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Conclusion



