

Building more
efficiently with BIM

blue.sprint

Xella digital planning



Digitization at Xella

Plan before you build

blue.sprint, Xella's digital planning service, offers you all services that make your construction projects easier, faster and more cost-effective right from the start. In addition, our experts help you optimize the selection of materials for your individual needs. Our planning service includes:

- › Project consulting already during the design phase
- › A single contact for your cooperation with an interdisciplinary team of specialists (key account managers, engineers, logistics experts, customer service representatives)
- › Provision of a digital product library
- › Consulting to optimize the selection of building materials and alternative materials, statics, building physics and economic efficiency
- › Project-specific individual pre-picking
- › Seamless order and supply chain thanks to track & trace as well as just-in-time delivery
- › Maximum cost and time savings due to optimized material management

The added value of digital planning at a glance

Based on numerous construction projects, we can demonstrate how the cooperation of manufacturers, planners and trades can be improved. From the design phase to production and logistics to implementation:

1. Transmission of the BIM model



Check of the usability of the 3D model by Xella's Technical Service department via BCF (BIM Collaboration Format). First feedback on the wall/ceiling/roof model by Xella. Update of the wall model by partners and transmission to Xella.

2. Model optimization and wall planning



Xella checks the progressive model optimizations and changes. Feedback is communicated digitally via BCF in a timely manner. Xella then unitizes all wall elements and executes the clash detections.

3. Digital production



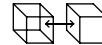
The approval of the 3D model is followed by the digital production. The BIM model is used for automated production. The BIM model is used for automated production.

4. Transmission to the customer



Now, the 3D data model including all important parameters (such as compressive strength, etc.) is transmitted to the customer. All information on the construction project is stored in the 3D-model and can be accessed on a long-term basis.

5. Production of the building materials, logistics



Xella produces all building materials individually and adapted to the respective project and picks and packages the goods. Finally, Xella delivers the wall materials just-in-time to the construction site.

6. Construction phase



Improved construction site logistics, shorter construction time, lower construction costs due to fewer errors in the 3D model and thus minimum waste.

Material optimization, cost reductions and time savings – these are the main advantages of digital planning with BIM. Talk to us: We would be happy to show you our references.



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BIM in practice

Major projects successfully realized with blue.sprint



Residential buildings in Angola, Africa

15,000 units

Customer: KORA Housing

Architect: Jaime Lerner Arquitectos

Associados



Tivoli Green City in Brussels, Belgium

500 units: apartments, offices and shops
(BREEAM-certified)

Customers: Citydev.brussels and PARBAM

Architect: Tijdelijke vereniging Adriana

Construction companies: CFE Brabant,
Besix, BAM



Assisted living in Tonbridge, Great Britain

59 apartments

Customer: Abbeyfield Kent Society

Construction companies: mfs' Masonry
Frame Systems with Jenner Ltd.



Hornehoof in Weert, Netherlands

Retirement home | 89 apartments

Customer: Wonen Limburg

Architect: Inbo

Construction company: Jongen-Meulen



Marissa Holiday Park, Germany

450 holiday properties: apartments,
detached and terraced houses

Customer: Wald & Welle

Architect: Thorsten Bick

Construction company: Alfred Döpker



Oostflank in Wijchen, Netherlands

19 houses, 118 apartments

Customer: Talis, Newomij, Gemeinde Wijchen
and KlokGroep Bouw & Ontwikkeling

Architect: LSWA Architecten, FAME Architecten
Construction companies: KlokGroep Bouw &
Ontwikkeling

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Xella

YTONG

silka

multiopor

hebel


URSA