Building more efficiently with BIM
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.

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.
BIM in practice

Major projects successfully realized with blue.sprint

Residential buildings in Angola, Africa
15,000 units
Customer: KORA Housing
Architect: Jaime Lerner Arquitetos 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