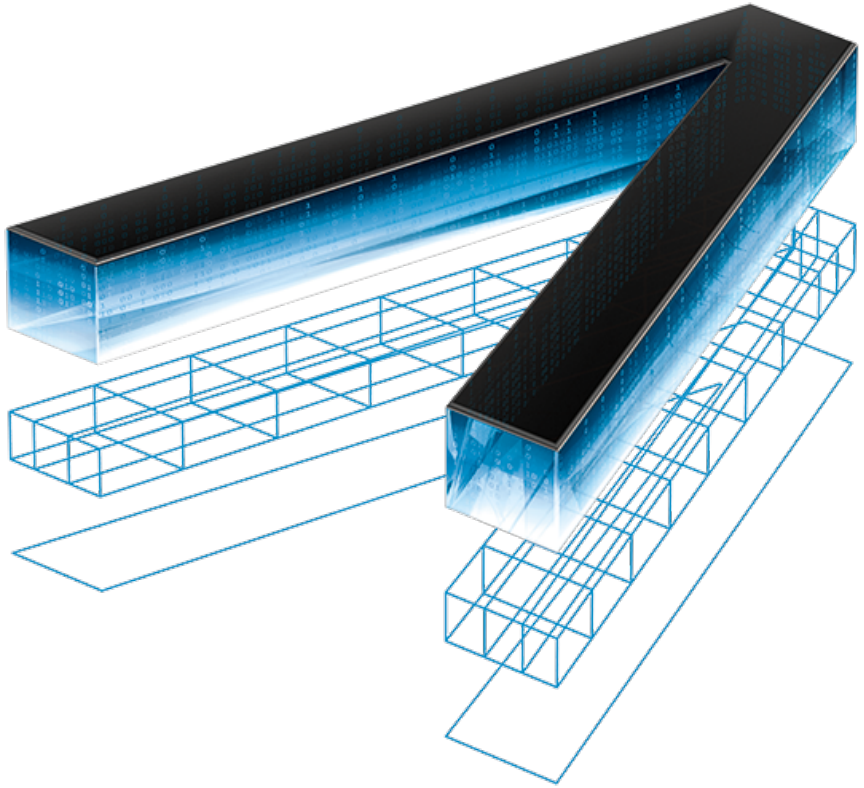
ALLPLAN
A NEMETSCHEK COMPANY

ALLPLAN ENGINEERING

New Features & Benefits

ALLPLAN
ENGINEERING



ALLPLAN
RAISE
YOUR LEVEL

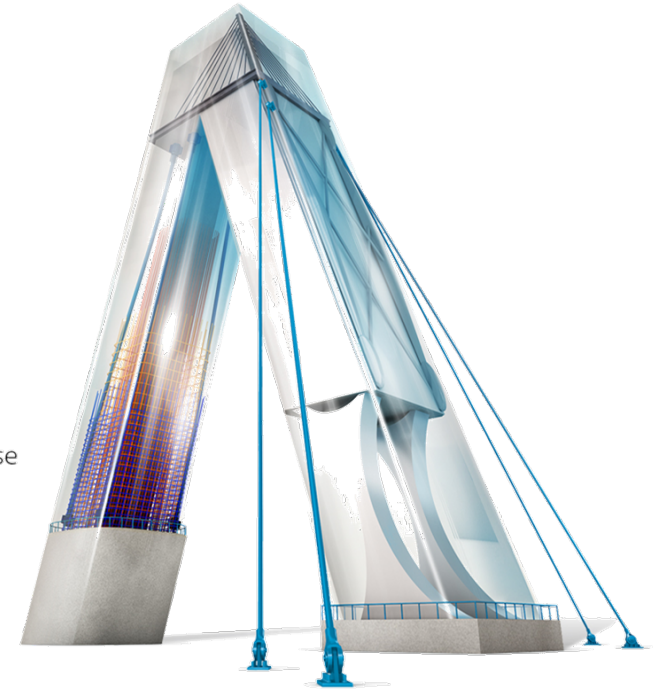
\ ALLPLAN ENGINEERING

ALLPLAN ENGINEERING CIVIL

ALLPLAN
RAISE
YOUR LEVEL

- Limitless modeling of any shapes
- Rapidly reinforce complex structures
- Freely definable longitudinal and transverse sections

ALLPLAN ENGINEERING

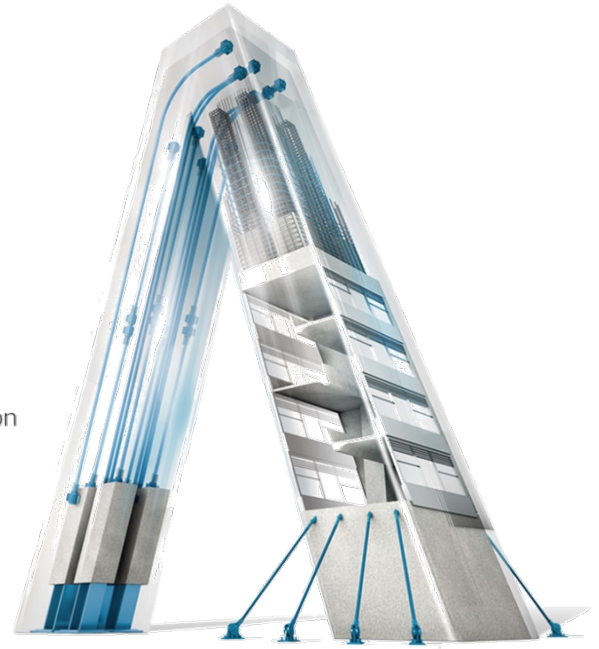


ALLPLAN ENGINEERING BUILDING

ALLPLAN
RAISE
YOUR LEVEL

- Up-to-date documents and professional visualizations
- Efficient reinforcement modeling with high data precision
- Reliable and traceable quantities and costs

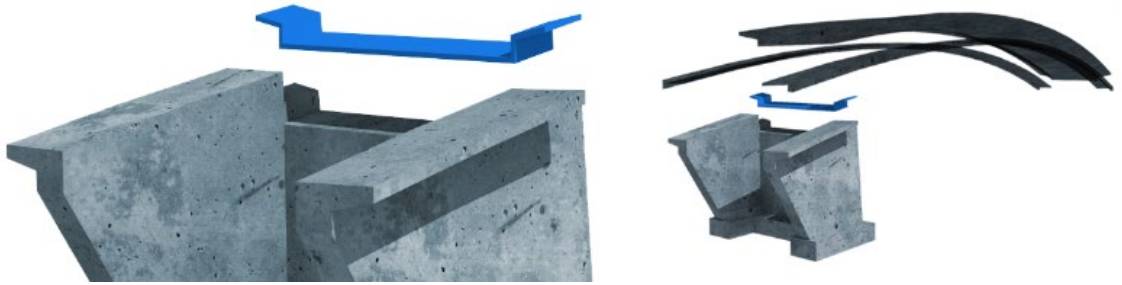
ALLPLAN ENGINEERING



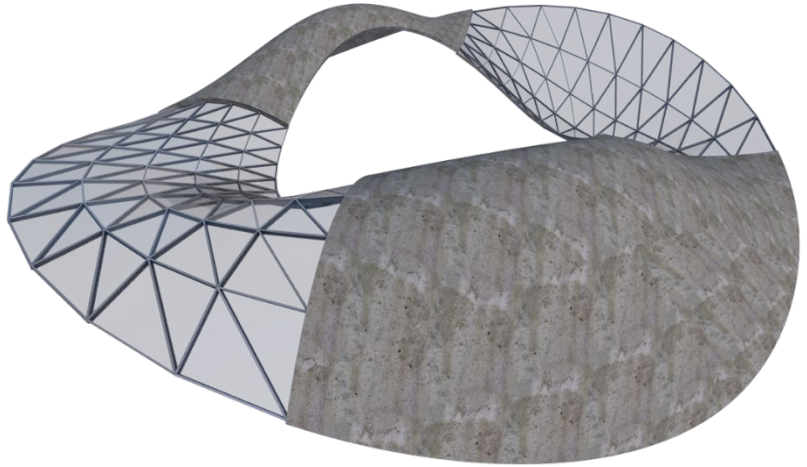
\ 3D MODELING

3D MODELING WITHOUT COMPROMISING

- Simplified workflow for producing 3D curves from complex 2D axes and gradient paths
- Extended input & direct modification support for 3D curves
- Accurate 3D curved result and curved structures are produced
- Powerful patch and shell functions allows rapid modeling of shell constructions
- New modeling functions allows you to perform modeling tasks faster and with highest quality



Bearing gap between abutment and superstructure



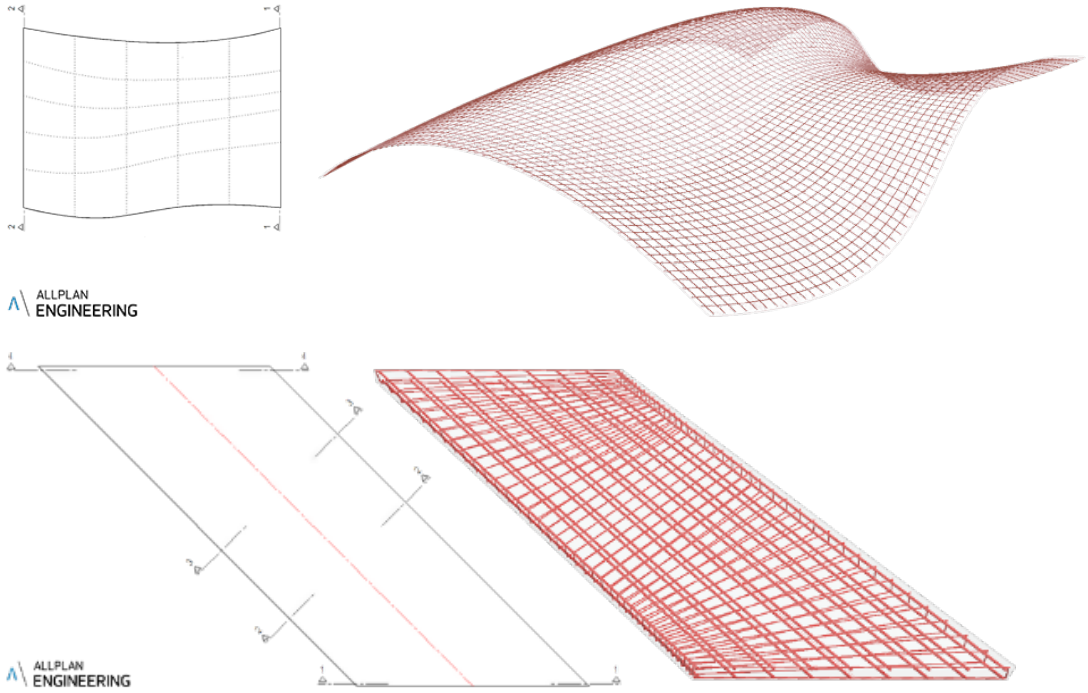
Freeform roof with facade

\ FREEFORM REINFORCEMENT

Only in Allplan
Engineering Civil Cubed

CONVENIENT REINFORCEMENT EVEN OF COMPLEX SUPPORTING STRUCTURES IN 3D

- Reinforcement detailing of construction components with complex geometry
- e.g. ramps, spiral stairs, freeform roofs, bridges, tunnels, retraining walls, hydropower plants
- Rapidly reinforce complex structures
- High quality of 3D reinforcement
- Suitable to be put into practice



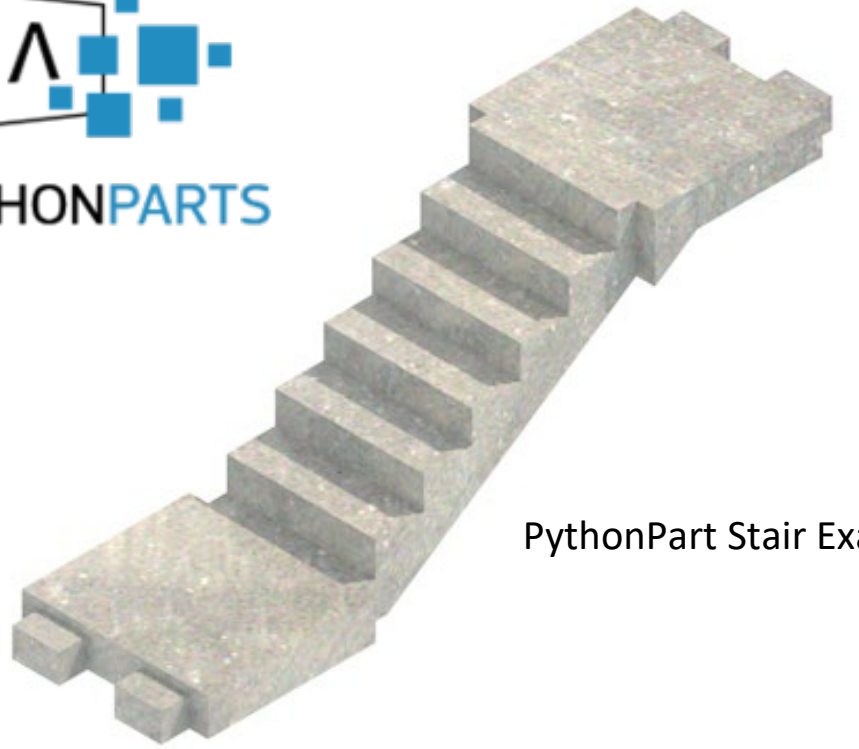
Freeform Reinforcement

\ PYTHONPARTS

RECURRING TASKS ARE COMPLETED RAPIDLY

- Creating your own parametric content without writing any single line of code
- Combine basic elements from the predefined building sets and join them together visually
- The building sets include columns, girders, downstand beams, foundations and stairs
- Rapidly reinforce standard structures
- High quality of 3D reinforcement

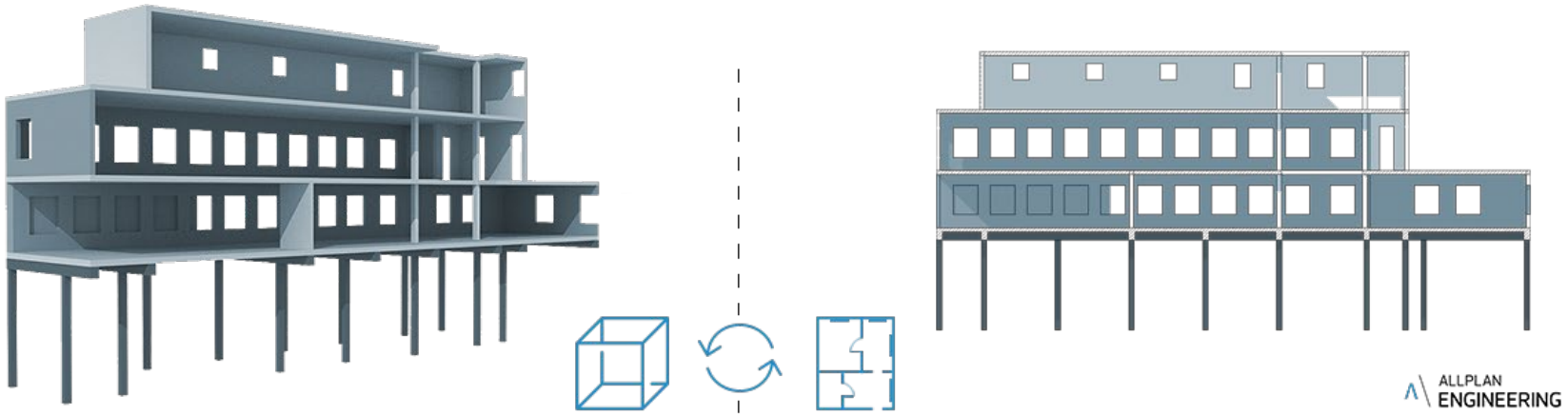
PYTHONPARTS



PythonPart Stair Example

\ ASSOCIATIVE VIEWS

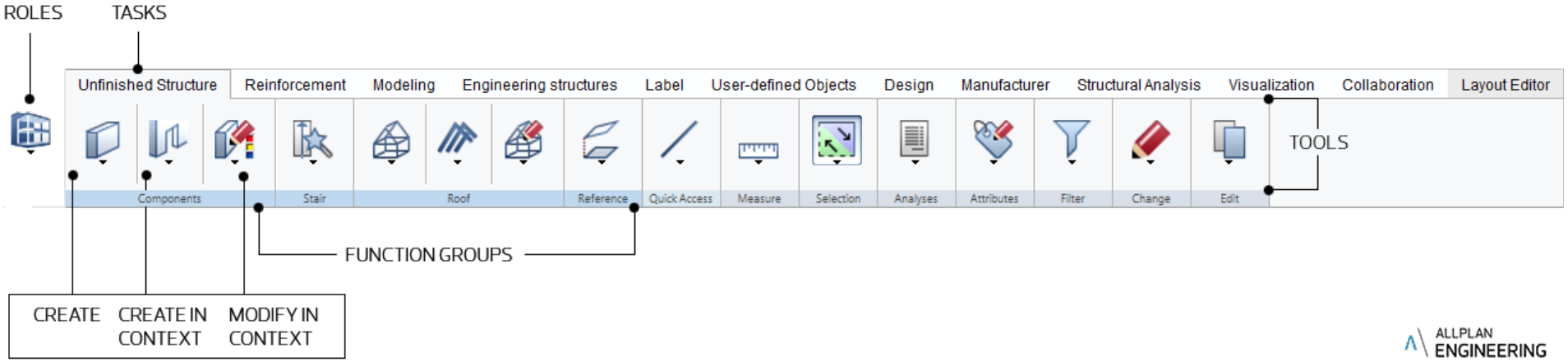
INTUITIVE WORKFLOWS WITH GENERAL ARRANGEMENT DESIGN



- Associative views allow to make changes to the general arrangement design at any position – in the model, a certain section or a view
- Simplified working and consistent documents
- All plans and models associated with this are updated immediately
- Increased productivity in the general arrangement design

\ ACTIONBAR

THE RIGHT TOOLS ALWAYS AT YOUR FINGERTIPS



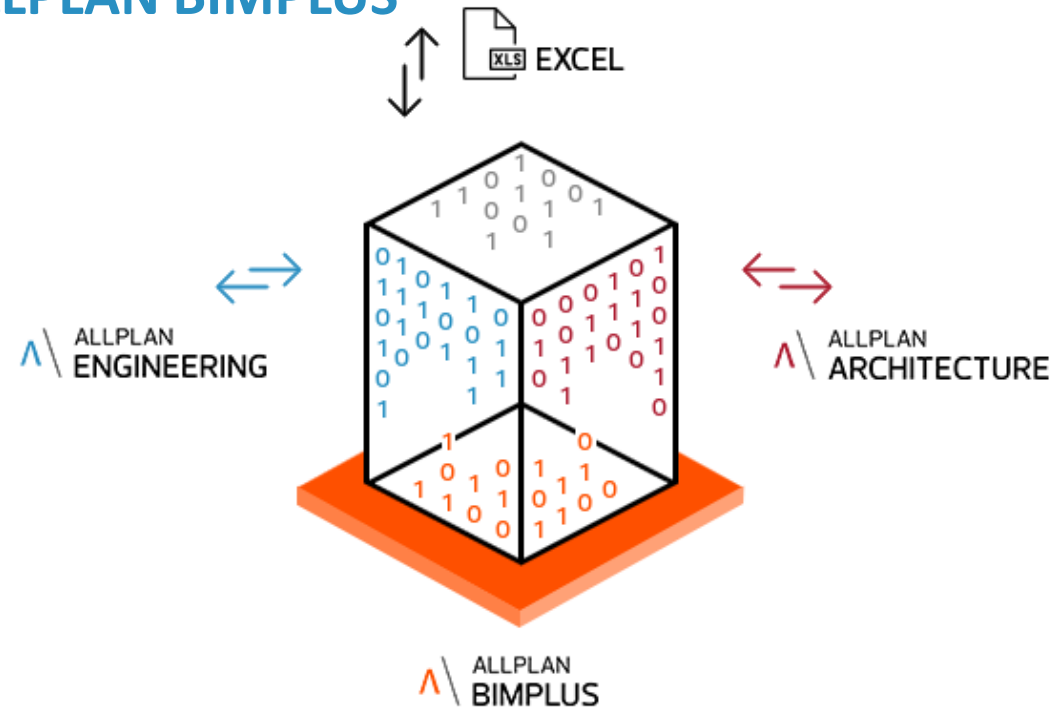
ALLPLAN ENGINEERING

- Functions are ordered roles- and task-oriented
- Frequently used functions are on the top position, less used are subordinate
- All necessary functions to realize a task are directly accessible
- Better orientation and more intuitive access to functions
- Training time / onboarding will be shortened
- Faster and more effective workflows

\ ATTRIBUTE MANAGEMENT WITH ALLPLAN

EFFICIENT INFORMATION MANAGEMENT WITH ALLPLAN BIMPLUS

- Allplan 2018 & Allplan Bimplus helps you to deliver a complete attributed BIM model
- Save time by using pre-defined attribute templates or create your own standard
- Maintain control for attribute changes by “compare dialog”
- Choose the tool you like: Allplan, Allplan Bimplus or Excel



Central attributes in Bimplus connected to Allplan and Excel

\ IFC4

ADVANCED DATA EXPORT WITH IFC4

- Send BIM model data, including freeform geometry, to your planning partner completely and without any losses
- Significantly improved quality and precision of your BIM model
- Using IFC4 also leads to better control across the BIM project

\ INTEGRATED INTERFACES - SCIA

DATA EXCHANGE WITH SCIA ENGINEER AT THE PUSH OF A BUTTON

- Data transfer between Allplan Engineering and SCIA Engineer in one step
- Export and import of supporting structure models
- Direct connection simplifies the interaction between construction and structural analysis considerably

SCIAENGINEER

\ NEW OPTION: ALLPLAN SHARE

SIMPLIFIED COLLABORATION VIA ALLPLAN SHARE

- Allplan Share is based on Allplan Bimplus and enables instant project collaboration
- Easy Allplan project sharing and access in real-time – across locations
- Significantly reduced drawing file size – high performance data compressing is active
- No danger of inconsistencies
- No need for cost intensive IT infrastructure and maintenance

TechScience

Δαγκλή 22, 55337

Τριανδρία

Θεσσαλονίκη

ΤΗΛ.: 210 6625268
e-mail: info@techscience.gr

© ALLPLAN GmbH, München