PLANON

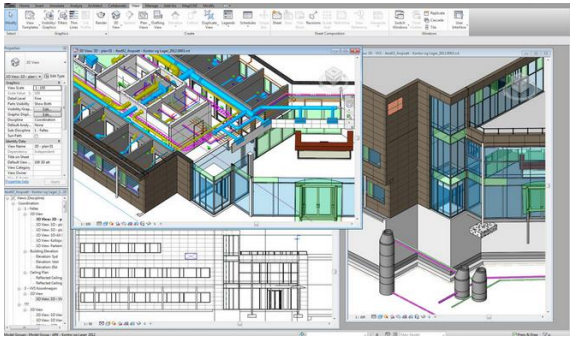
AIM FOR THE OPTIMUM

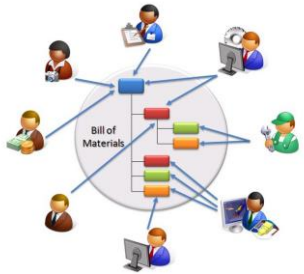
MAKING THE MOST OF BIM

PLANON
AIM FOR THE OPTIMUM

BIM POSITIONING: DIGITAL BUSINESS

Create

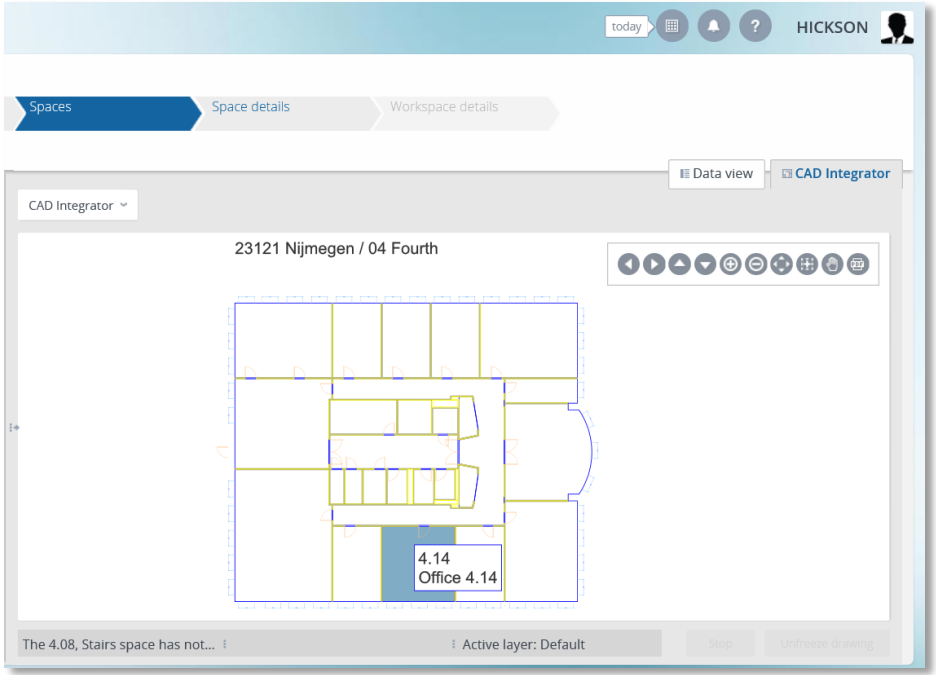


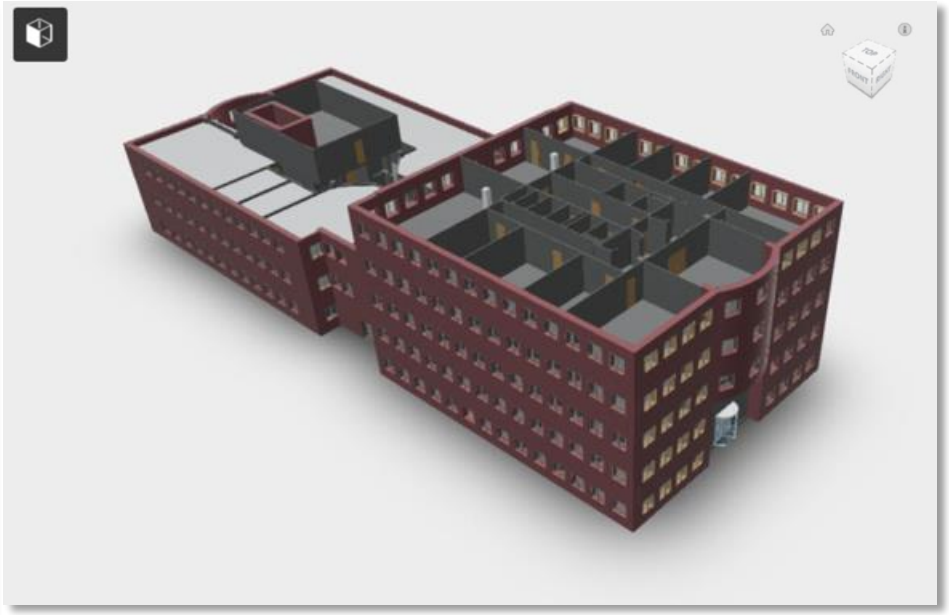


Operate

PLANON
AIM FOR THE OPTIMUM

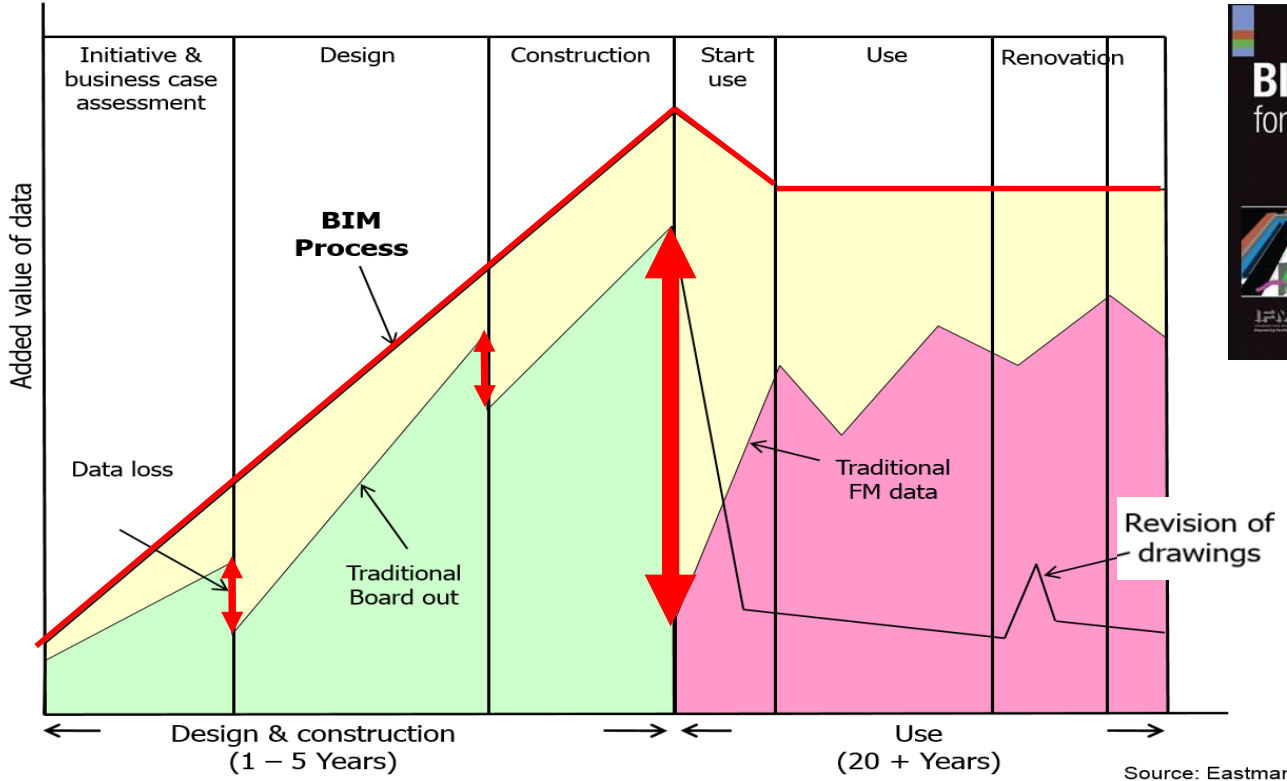
BIM FOR RE & FM: ADDED VALUE



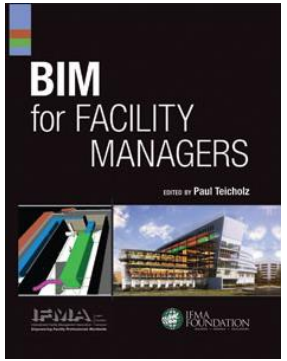


Autocad A360 Viewer

BIM LIFE CYCLE PROMISE



Source: Eastman 2008



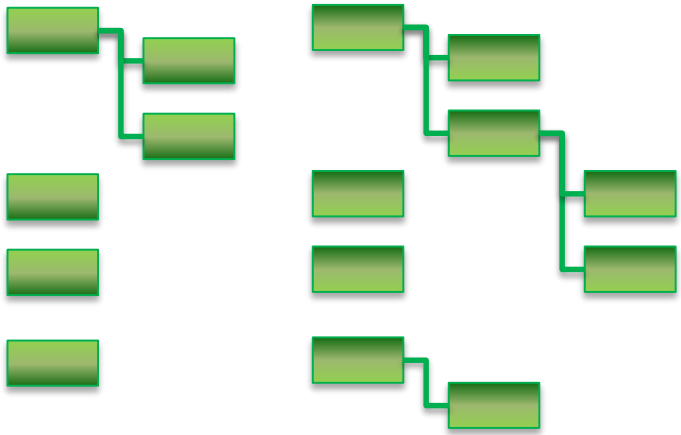
Paul Teicholz:

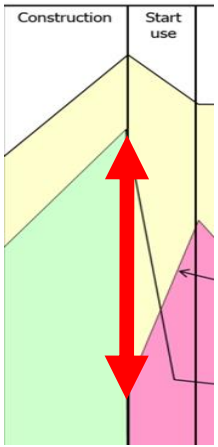
'An inordinate amount of time is spent locating and verifying specific facility and project information from previous activities'

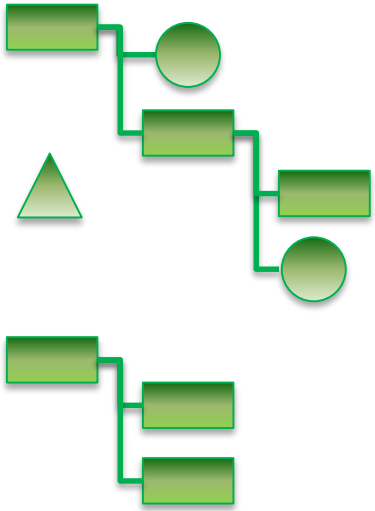
PLANON
AIM FOR THE OPTIMUM

FROM ‘AS BUILT’ TO FM INFORMATION

Design → Build → Model preparation → Operate







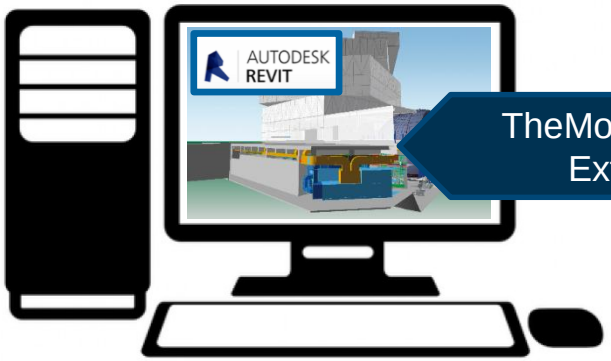
Architecture, design, ..

Walls, Pipes, ..

Rooms, Space types, Assets

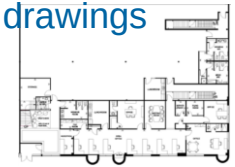
PLANON
AIM FOR THE OPTIMUM

PLANON CONNECT FOR BIM



TheModus Model Extender

2D CAD drawings



XML

Bill of Material data (COBie)

BIM Exchange

Planon Enterprise Platform

Cadac Group

PLANON
FACILITY MANAGEMENT & REAL ESTATE SOFTWARE

FEATURES

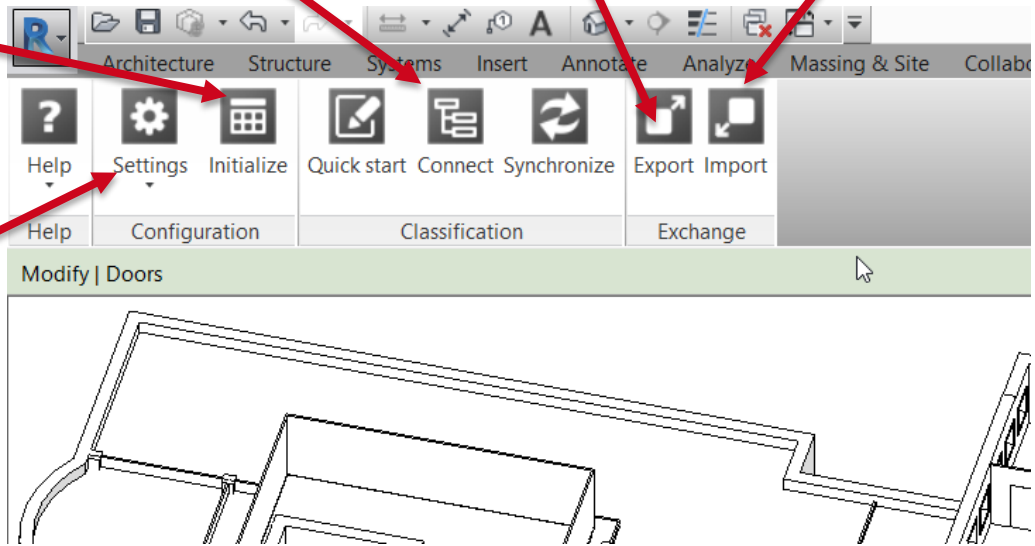
Map elements to classifications/ references

Export-Revit to Planon

Import Planon-information

Check the model

Manage own classifications/ references



Cadac Group

Revit: Model Extender

PLANON
AIM FOR THE OPTIMUM

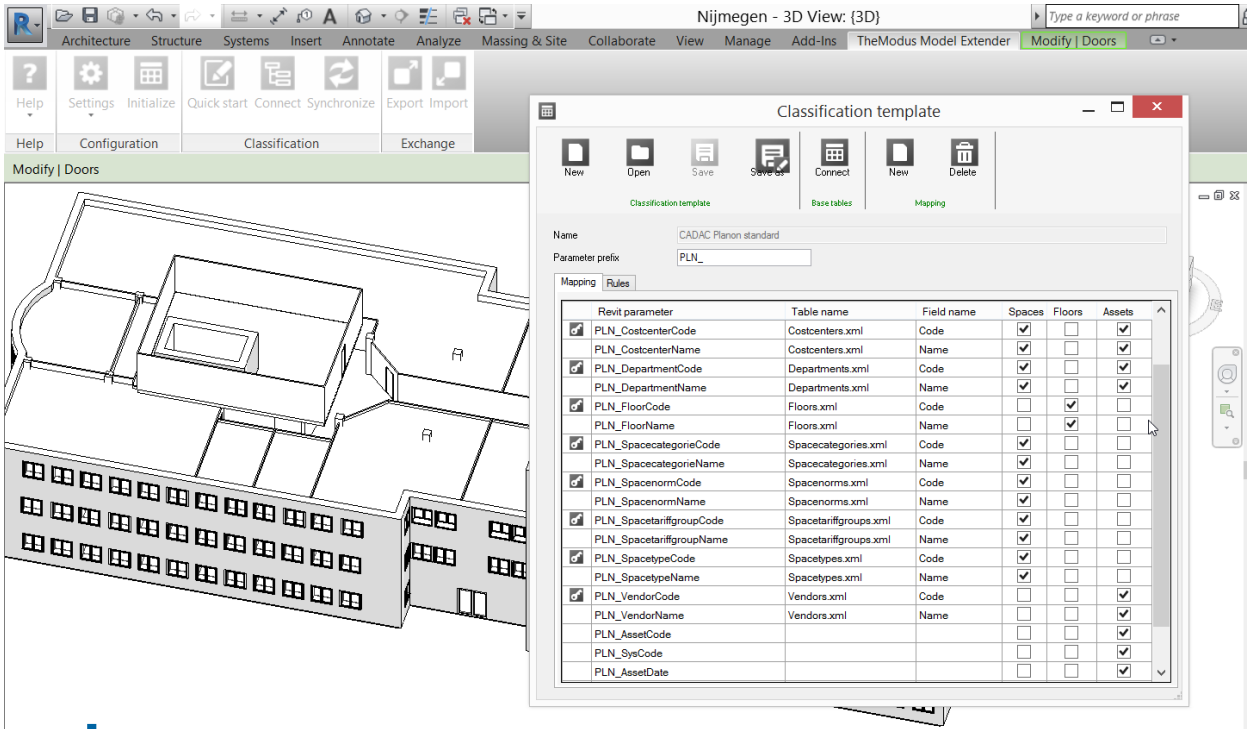
CLASSIFICATIONS

Possible to map:

- Floors
- Spaces
- Assets (building elements, installations & furniture)

Features:

- Define what to sync
- Add free tables/fields



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Revit: Model Extender

PLANON
AIM FOR THE OPTIMUM

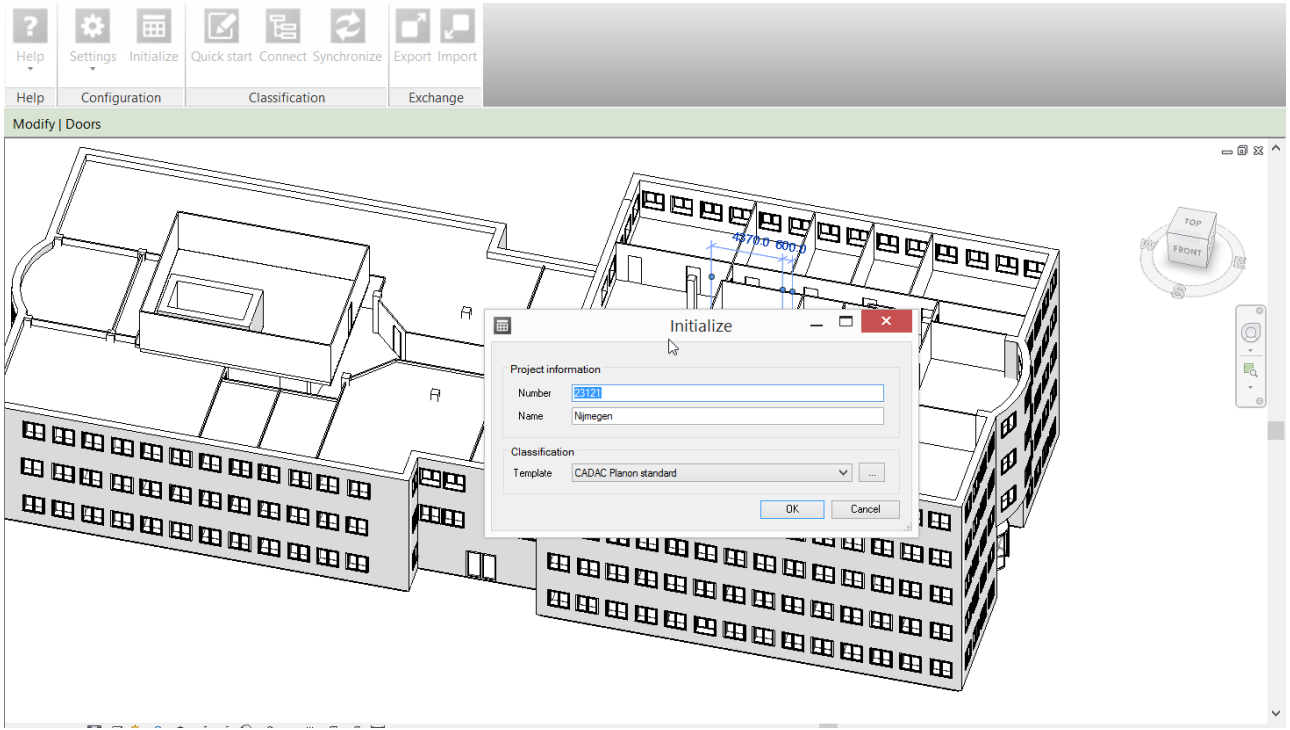
INITIALIZE (CHECK THE MODEL)

For every model:

- Define project number
- Classification standard

Checks on:

- Rooms/Spaces
- Automatic reference of Spaces & Floors to Assets
- Ungrouping of assets/spaces



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Revit: Model Extender

PLANON
AIM FOR THE OPTIMUM

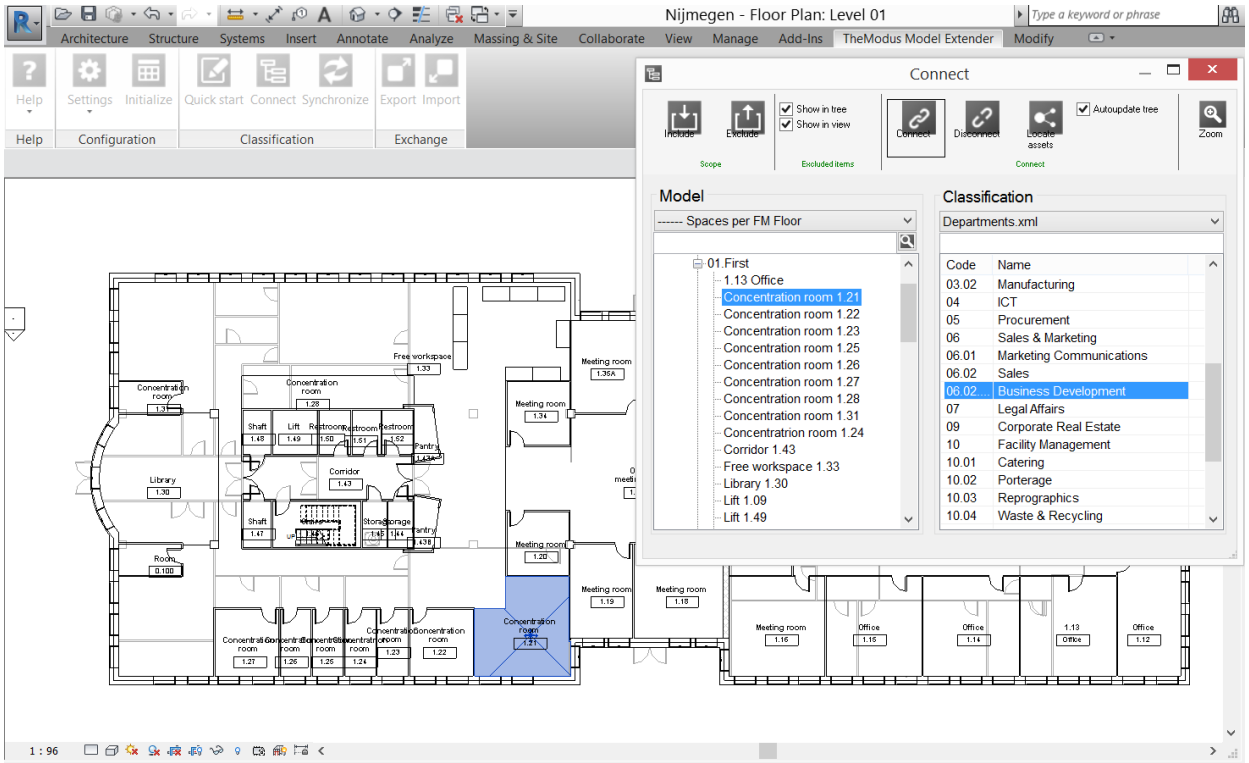
CONNECTOR (ADD REFERENCES)

Enrich the model with Planon information:

- Departments
- Vendors
- Costcentres
- Etc.

Extra features:

- Rule based connecting
- Highlight in the model



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Revit: Model Extender

PLANON
AIM FOR THE OPTIMUM

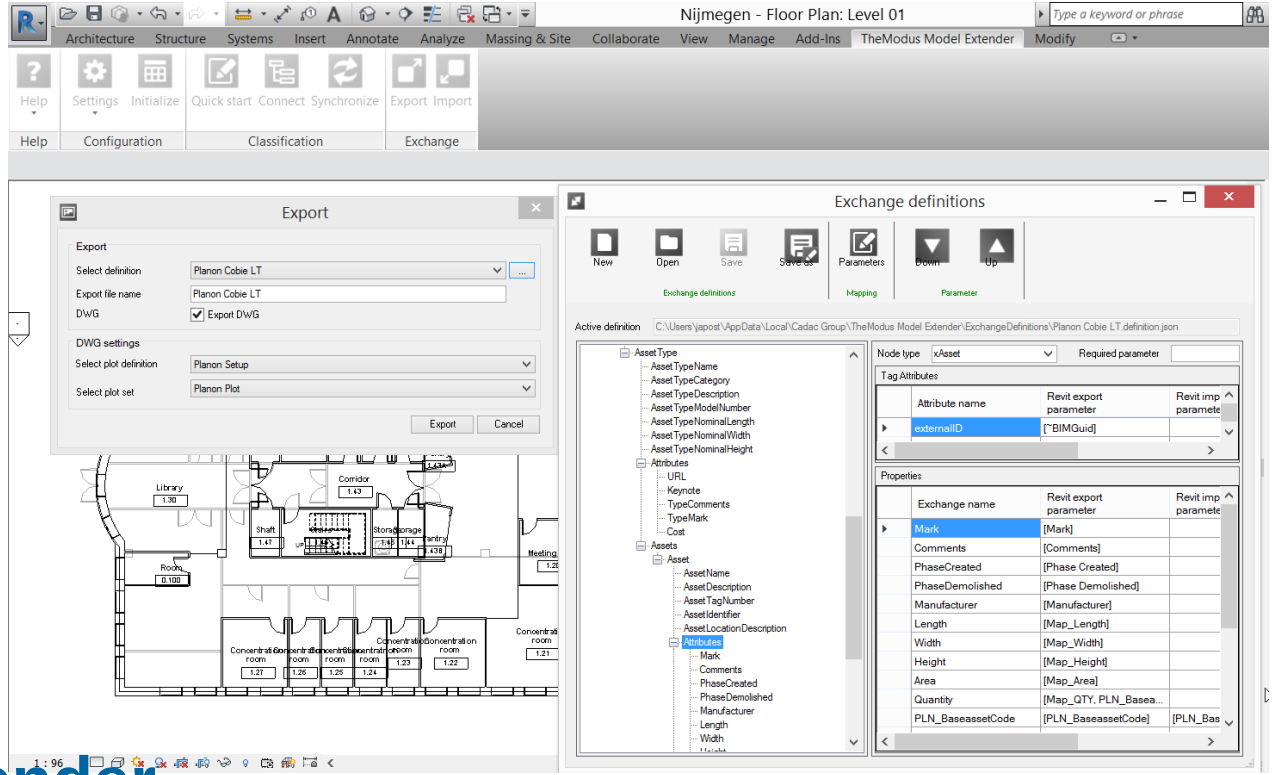
EXPORTS MODEL INFORMATION

Standard export definitions:

- Drawings (DWG)
- Building elements (XML)
- Unique assets & additional information (XML)

Additional features:

- Define what type of details to export (m1/m2/m3)
- Add defaults



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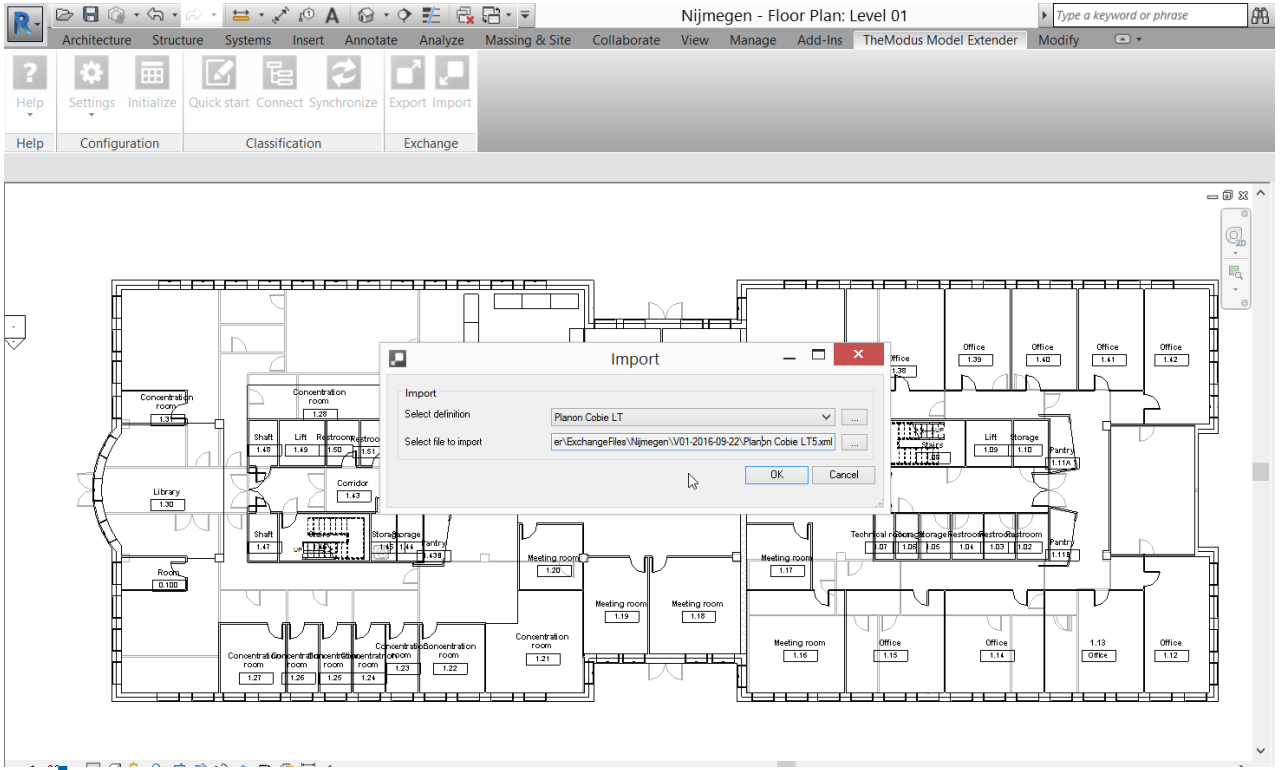
Revit: Model Extender

PLANON
AIM FOR THE OPTIMUM

IMPORTS TO PLANON

Standard import definitions

- Clustered building elements (XML)
- COBIE file (updated elements)



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Revit: Model Extender

FEATURES

Import building elements

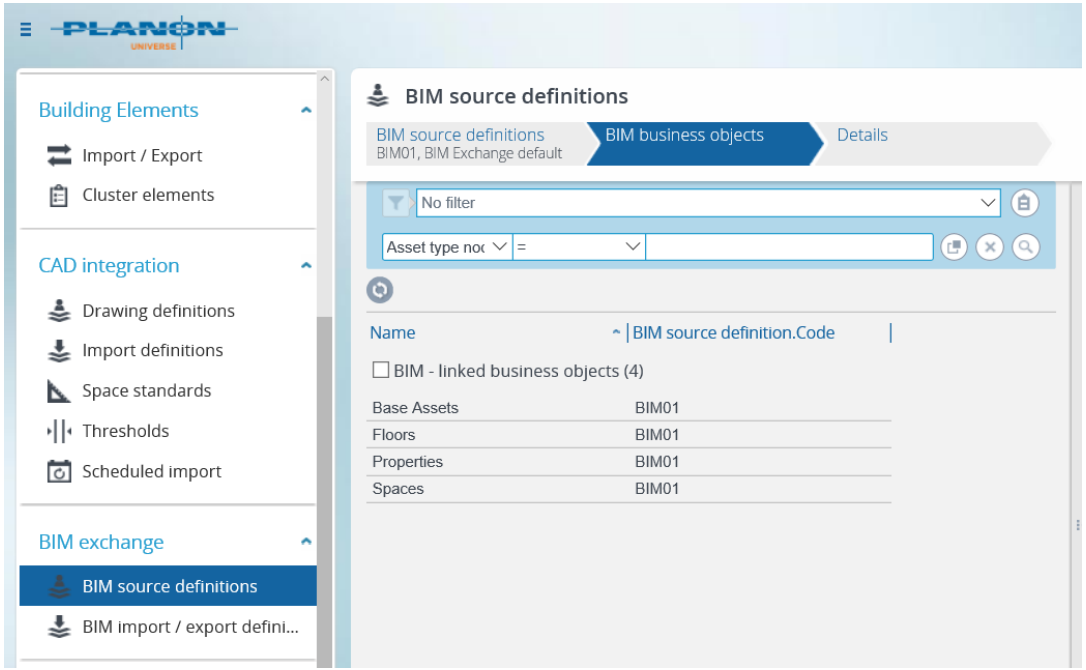
- Export library to Revit
- Import building elements
- Cluster elements
- Export GUID’s

CAD launch centers

- Import floors/spaces (life cycle)
- 2D CAD integration

BIM Launch centers:

- Template definition
- Import/Export



Planon BIM Exchange

PLANON
AIM FOR THE OPTIMUM

BIM EXCHANGE

BIM Import

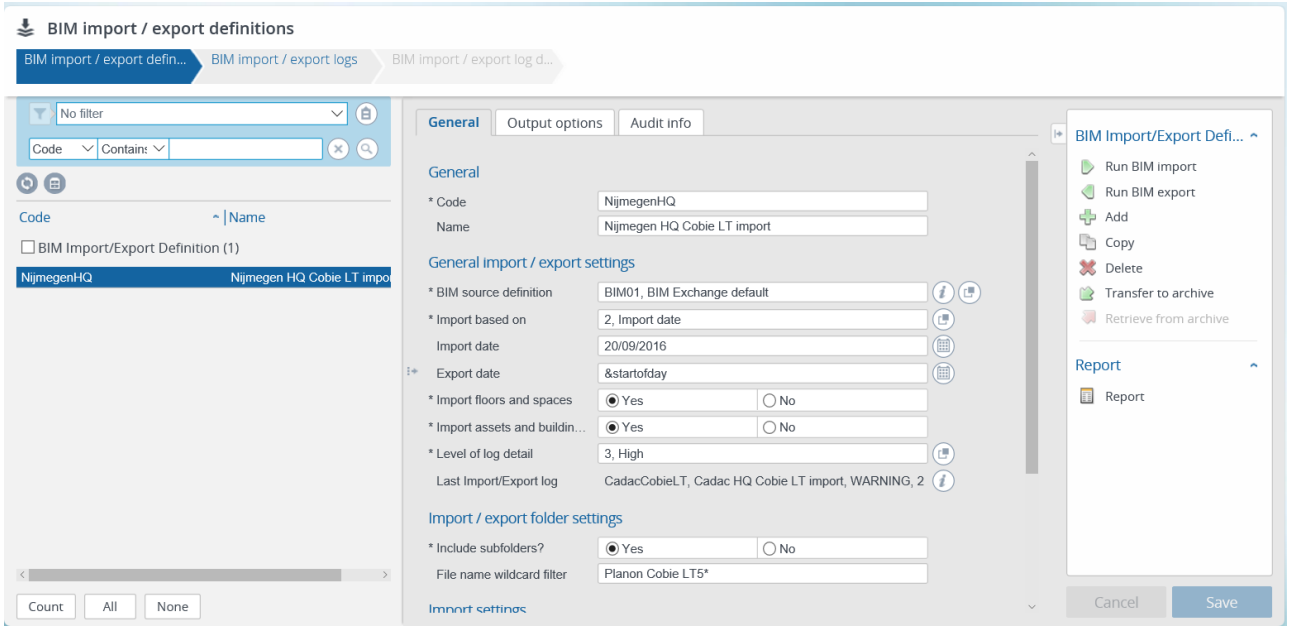
- Import COBIELite XML from Revit

BIM Export

- Export COBIELite XML to Revit
- Added (condition) data

Features:

- Scheduled import/exports
- Choose what to import

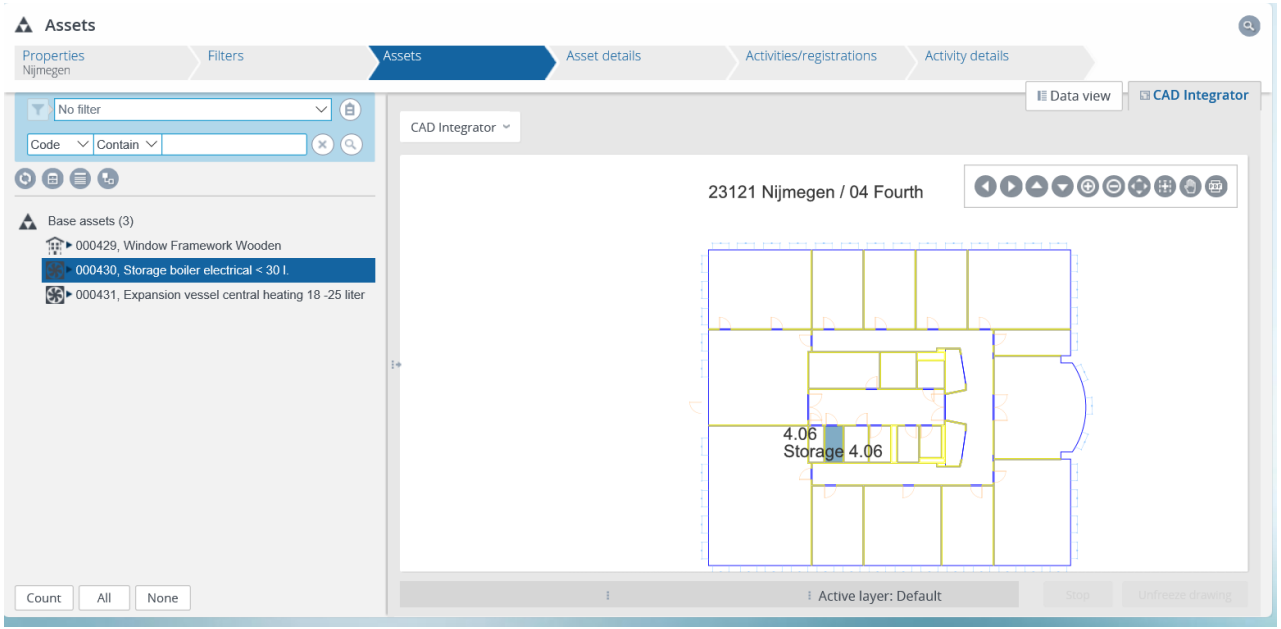


Planon BIM Exchange

RESULTS IN PLANON

Assets

- Generated building elements with Maintenance plan
- Location of installations in 2D

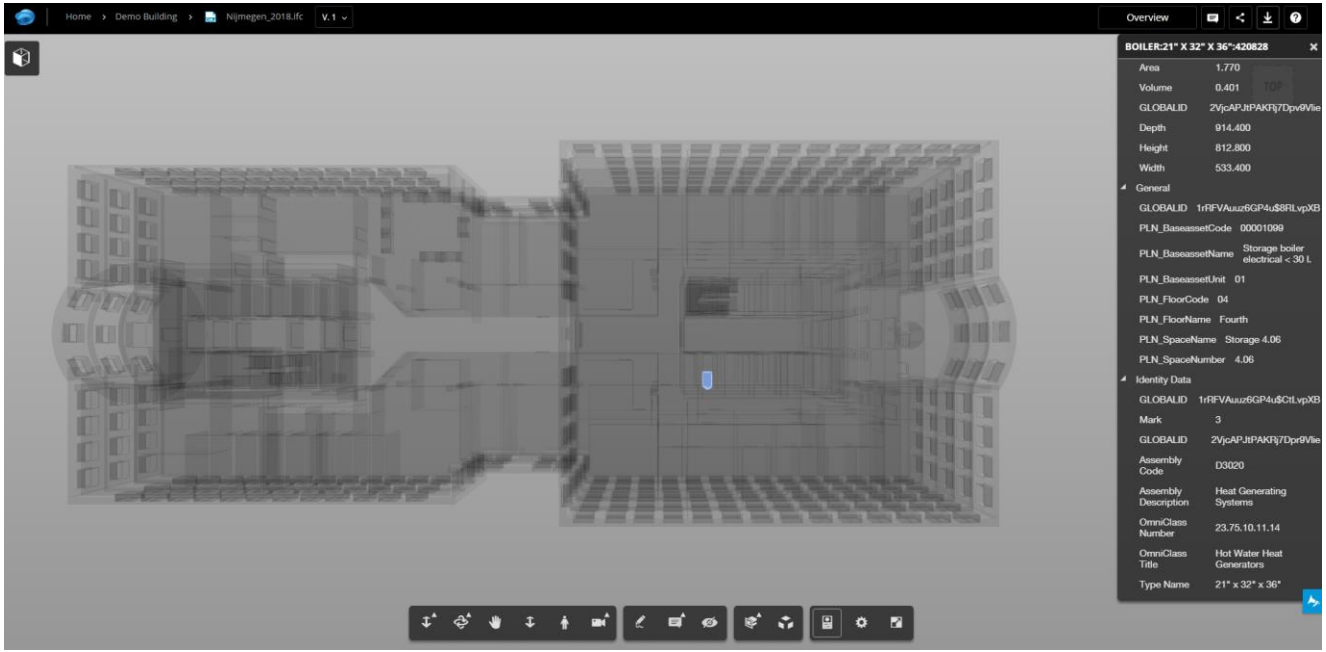


Planon BIM Exchange

RESULTS IN PLANON

Assets in 3D

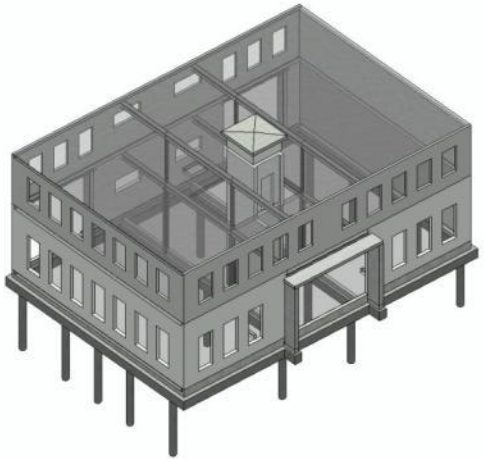
- Find asset with asset code from Planon
- View PLN synced details in properties of assets

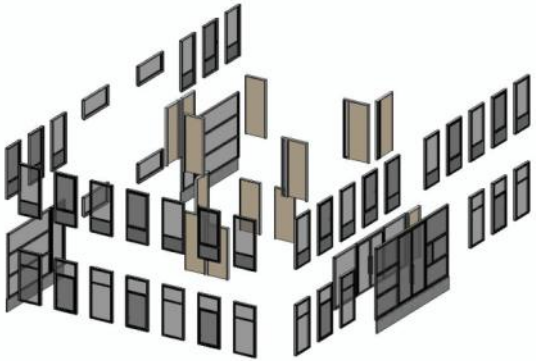


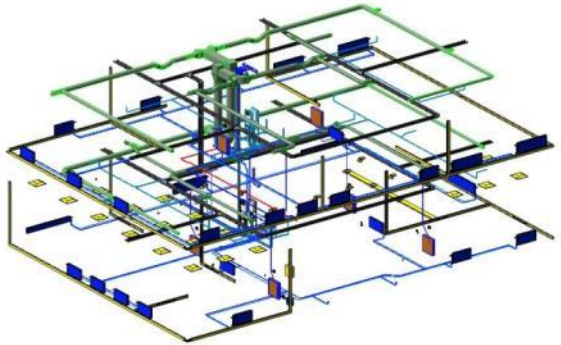
Planon BIM Exchange

BIM & ASSET MANAGEMENT: CLUSTERING

Asset management
- Long Term Maintenance Plan
- Estimated costs, Schedules

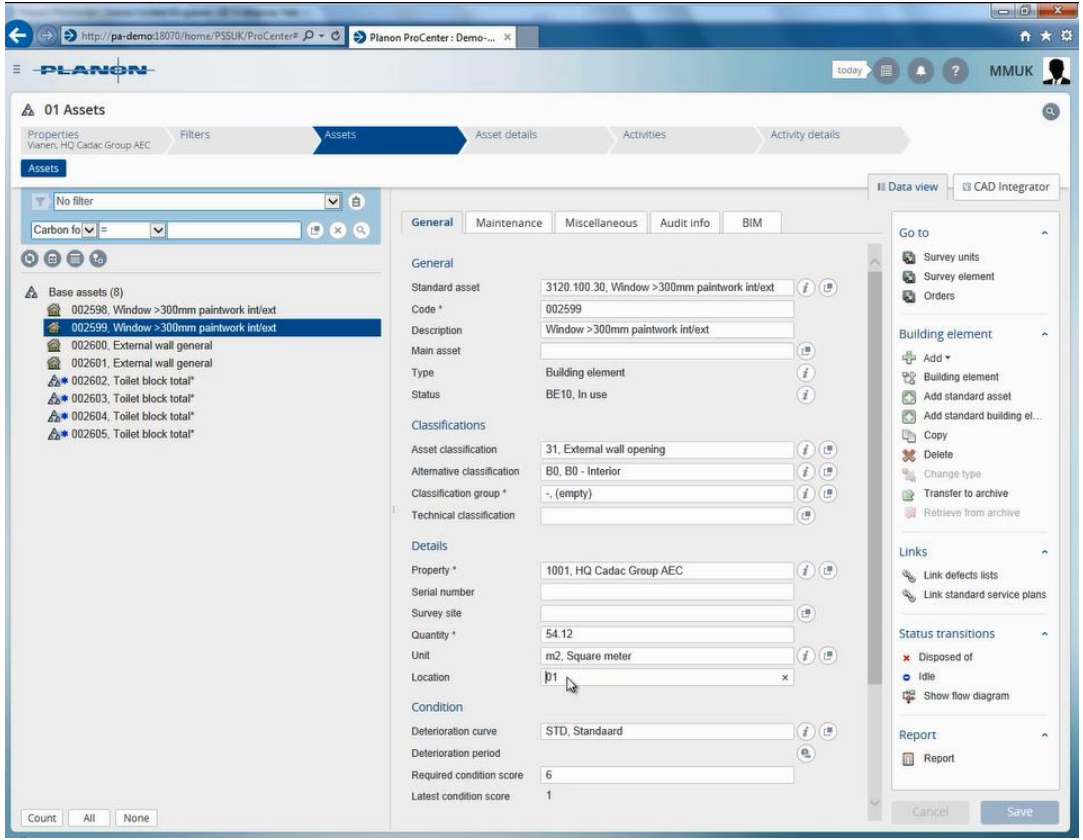






PLANON
AIM FOR THE OPTIMUM

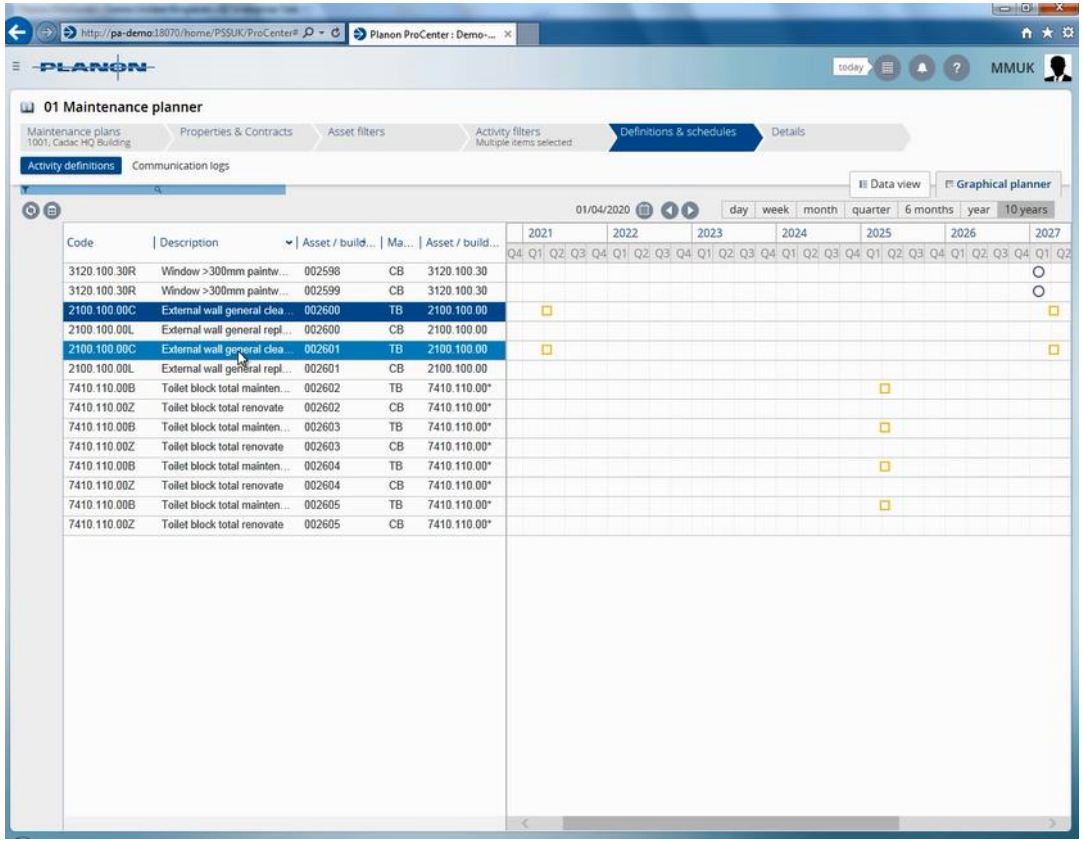
ASSET MANAGEMENT & PROCESSES



- ✓ Bill of materials
- ✓ Relevant data
- ✓ Location
- ✓ Grouping
- ✓ Contracting
- ✓ Depreciation
- ✓ Malfunctions
- ✓ Maintenance
- ✓ Costs
- ✓ Projects
- ✓ Energy
- ✓ …

PLANON
AIM FOR THE OPTIMUM

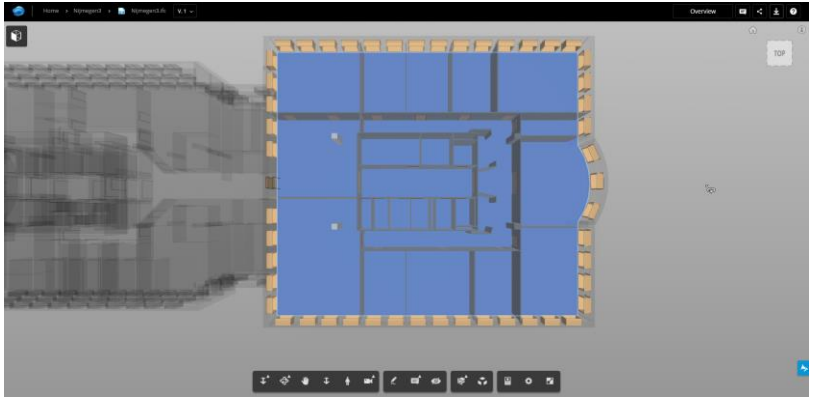
MAINTENANCE: PLANNING & EXECUTION



- ✓ Budgeting
- ✓ Scenario planning
- ✓ Execution
- ✓ Work orders
- ✓ Outsourcing
- ✓ Monitoring
- ✓ Cost control
- ✓ Laws and Regulations
- ✓ Reporting
- ✓ …

‘TIME TRAVEL’ INTO FUTURE: PROJECTS AT HAND

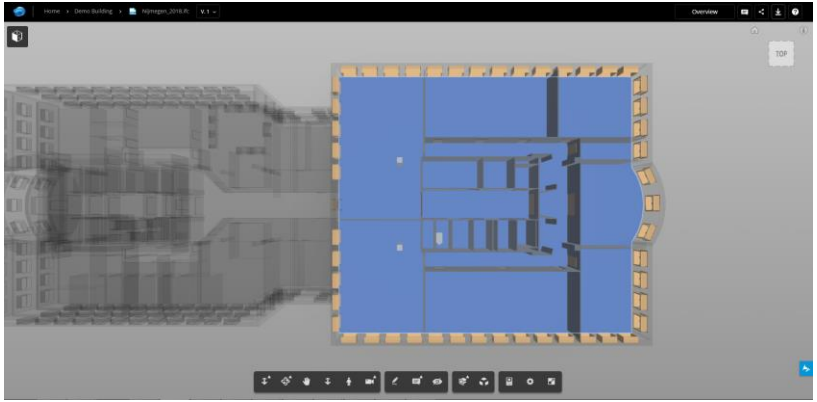
Rooms, now



Lifecyle url:

http://a360.co/2cpe7cc

2018



http://a360.co/2cp9G1m

Autodesk A360 Viewer

PLANON
AIM FOR THE OPTIMUM

SCENARIO'S TO USE BIM EXCHANGE

1. Get Bill of Materials at Hand-over in Planon >

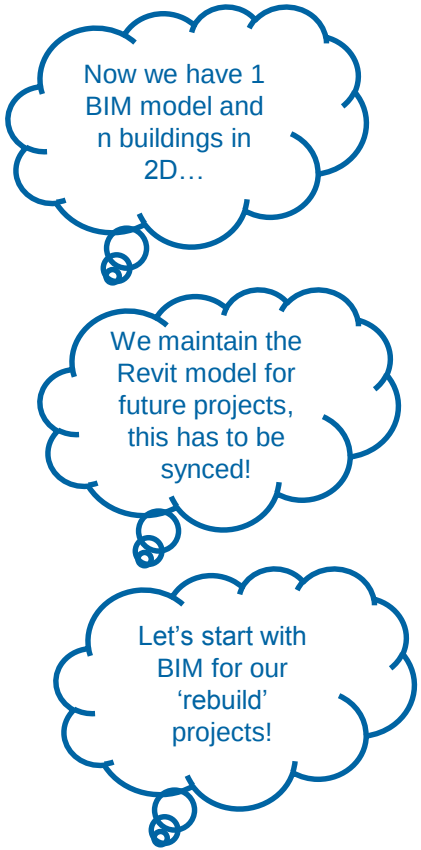
- Create new building/store/plant
- Import floors/spaces for Space Management/ Rentable units/Reservations/Kiosk/Apps
- Import building elements to start Long-term Maintenance Plan (MJOP)
- Import assets to start linking calls/orders to asset / sla's and service contracts

2. Keep Revit-model in sync with Planon ><>

- Import base-data from Planon to identify floors/spaces/assets
- Import to Planon, export periodically with updated assets/space properties/ call history
- Export space changes, new building elements, projects

3. Scenario-planning (lifecycle BIM) <><><>

- Early involvement in a decision/design phase to export future space lay-out, maintenance plans
- Exchange Planon data to design & construction parties via model
- Smooth hand-over as the model is already classified and suited for exchange to Planon



BIM CHALLENGES

PLANON
AIM FOR THE OPTIMUM

BIM - FROM PROJECT TOOL TO BUSINESS SYSTEM

‘Views’ of the Model

Multi-user access

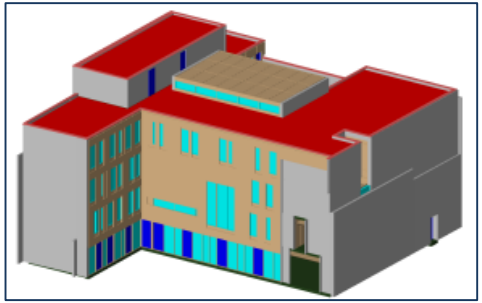
Real-time updates

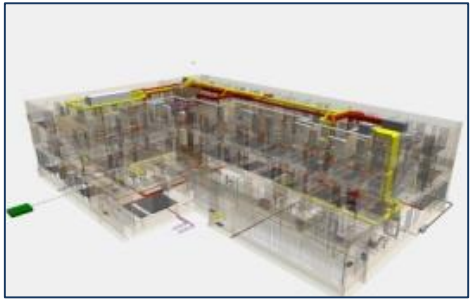
Web based access tools

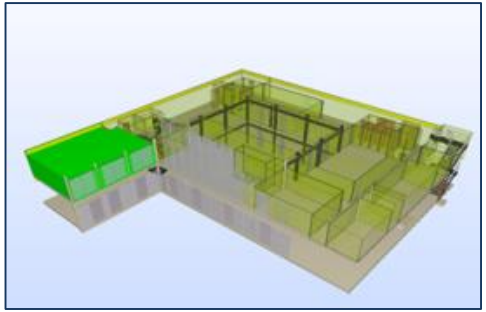
Authorization

Model Size

Model Versions &
BIM SW Upgrades

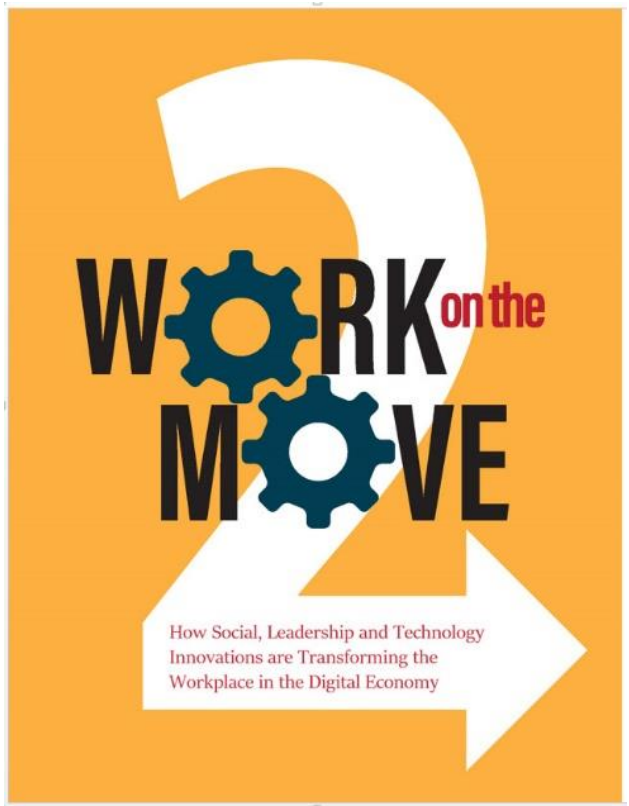






PLANON
AIM FOR THE OPTIMUM

IFMA FOUNDATION
MAKING FM A CAREER OF CHOICE



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Thank you