

The background features a dark teal color with a complex network of glowing blue lines and nodes, resembling a digital or construction network. A prominent wireframe structure of a building is visible on the left side. A large, light green diagonal shape cuts across the image from the top right to the bottom left.

BEXEL MANAGER

**NEXT GENERATION
OF DIGITAL
CONSTRUCTION
MANAGEMENT**



**QUANTUM
GLOBAL
SOLUTIONS**

**BEXEL CONSULTING & QUANTUM GLOBAL SOLUTIONS
ARE GLOBAL PARTNERS FOR DIGITAL PROJECT MANAGEMENT**

MOST ADVANCED SINGLE INTEGRATED SOLUTION

OPEN BIM COLLABORATION

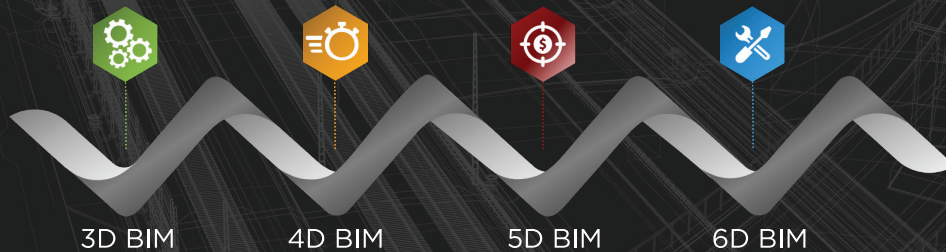
IFC certified platform by buildingSMART International and fully supports open IFC and BCF file formats.

BEXEL Manager is international BIM platform configured according to ISO 19650 & ISO 12006 available in multilanguage.

BEXEL Manager provides a single solution that enables construction professionals to digitalize key workflows through advanced integrated and flexible system. It allows construction companies to better coordinate their workflow and improve efficiency.

Make the right decision and project management easier with all information in one place!

BEXEL MANAGER FULLY INTEGRATES 3D, 4D, 5D AND 6D BIM



SINGLE SOURCE OF TRUTH

BEXEL Manager includes design and data review and analysis, quantity takeoffs, clash detection, cost estimations, change management, value engineering, schedule management and facility management. Platform is optimized for manage colossal projects and integrate hundreds of files.

With BEXEL Common Data Environment change or track changes, share or merge all your team work to one federated model, assign permissions and rights, do all advanced analysis and collaborate smoothly in an openBIM environment.

 **BEXEL MANAGER 20**

REVOLUTIONARY PERSPECTIVE TO BIM PROJECT MANAGEMENT

Optimize the approach throughout the lifespan of the project and plan ahead at each critical point or milestone, drastically reducing risks and inefficiencies and cutting back budget cost & construction time without compromising project goals and vision.

WORK WITH COMPLEX
LARGE-SCALE-PROJECT
WITH OVER MILLION
ELEMENTS AND TENS OF
THOUSANDS TASKS.

GAME CHANGER IN CONSTRUCTION INDUSTRY

Bexel Manager is game changer in construction industry with innovative workflow for construction planning processes. With the intention to move project management process to the next level, to utterly re-invent it, automate it as much as possible and bring it closer to industry 4.0 concept where there will be no place for time-consuming inefficient, un-reliable planning, we have envisioned clear new workflow, understandable and adaptable to any professional and any project in the world.

INTEGRATED EXPERIENCE SWITCH TO RESULT-ORIENTED THINKING

OPEN BIM WORKFLOW MANAGEMENT

BEXEL Manager is designed to meet major construction management needs, changing the perspective of integrated project management.

BEXEL Manager allows advanced user to fully accomplish the vision of integrated digital workflows as rewarding goal that true professionals strive to achieve

FULL OPTIMIZATION AND CUSTOMIZATION OF DIGITAL WORKFLOWS



RE-THINKING CONSTRUCTION PLANNING PROCESS ITSELF

Improve scheduling and minimize time-consuming work of schedule and cost structure creation and define incredible amount of complex relations between numerous tasks.

Supported by intelligent scheduling algorithms and rooted in common construction logic and yet flexible enough to suit any specific needs of a project BEXEL Manager brings revolution in project planning process and construction industry as a whole.

INNOVATIVE TECHNOLOGY FOR AUTOMATIC CONSTRUCTION SCHEDULING

Control the project and achieve maximum efficiency of the process which in the end results in lower costs, improved safety risks mitigation and shorter execution period.

With innovative technology for construction scheduling creation speed up planning process and get 4D/5D automatic construction schedule and simulations from basic IFC file. Easy modify, update and change the schedule using most advanced Line of balance scheduling method.

LOST IN DETAILS?
FOCUS ON THE BIG
PICTURE!

RELY ON BEST PRACTICES AND KNOWLEDGE BASE

COORDINATE ALL STAKEHOLDERS TO ACHIEVE INTELLIGENT INFORMATION SHARING

With all information in one solution increase collaboration and communication between stakeholders and obtain valuable information as early as possible.

BEXEL Manager digital ecosystem allows teams to share project models, documents, quantity takeoffs, collisions, schedules, construction methodologies and zones, progress tracking, cost versions and classification, coordinate planning, budgeting and ensuring that all stakeholders have insight into the project.

EFFECTIVELY CUT DOWN BUDGET COSTS AND CONSTRUCTION TIME

BEXEL Manager helps project managers to minimize costs and keep construction projects on schedule, to increase profit margins and make time to do more.

INSTANT IMPROVEMENT IN PRODUCTIVITY

Forget about the risk of using outdated information. With BEXEL Manager be sure that the right information is available at the right time which is essential to completing a successful quality project.

FIND SOLUTION FOR EVERY CHALLENGE

Use BEXEL Manager for diverse and complex project, from sport venues, hotels, hospitals, office or residential complexes to tunnels, metro stations, railways, roads and industrial buildings.

UP-TO-MINUTE REPORTING

BEXEL Manager lets you experience reporting process on a whole new level.

CAPTURE AND EFFICIENTLY REUSE EXPERT KNOWLEDGE AND LOGIC

Access to advanced tutorials, free cost databases and demo models on different languages.

MAKE
MANAGEMENT
EASIER

TIME AND COST
SAVINGS

IMPROVE
QUALITY

MANAGE
DIFFERENT
PROJECT TYPES

ADVANCED
MONITORING

BASE OF
KNOWLEGDE

OPEN BIM

IMPORT, EXPORT AND UPDATE IFC
FILE FORMAT (IFC 2x3, IFC 4)

BIM MULTI MODEL CONTAINER (MMC)

QUANTITY TAKEOFF (QTO) AND
SCHEDULE IFC IMPORT/EXPORT MVD

BCF SUPPORT

POWER BI INTEGRATION AND
REPORTING

CUSTOM INTEGRATION WITH ERP
AND OTHER SYSTEMS

CUSTOM DATABASE INTEGRATION

COBIE SUPPORT

FEDERATED BIM MODELS FROM
MULTIPLE SOURCES

API & ADD-IN SYSTEM



MODEL DATA MANAGEMENT

USE AVAILABLE DATA IN THE MOST EFFICIENT WAY

DATA MANAGEMENT

BIM META-DATA MANAGEMENT

MODEL & DATA REVIEW

DATA ENRICHMENT

COLOR CODED ELEMENT BREAKDOWNS

ADVANCED ELEMENT SEARCH AND FILTERING

AUTOMATE CREATION OF SMART SELECTION SET

ADVANCED REPORTING ENGINE

COLLABORATION

BEXEL CDE CLOUD-BASED PLATFORM



CLOUD BASED MODEL AND DOCUMENT MANAGEMENT PLATFORM
HISTORY OF ALL PROJECT VERSIONS AVAILABLE TO GO BACK TO ARCHIVING
OPTIMIZED INCREMENTAL PROJECT VERSIONING
POSSIBILITY TO INSTALL ON CLIENT PREMISES AS WELL AS PUBLIC CLOUD PROVIDERS (AZURE, AWS)
DEFINE USER ROLES AND PERMISSIONS
COLLABORATION AND SYNCHRONIZATION OF ANALYSIS DONE BY MULTIPLE USERS
FULL API ACCESS FOR CUSTOMIZATION
MODEL & ANALYSES UPDATE NOTIFICATIONS
PUBLISHING OF SUB-MODELS CHANGES TO FEDERATED MODEL

COLLABORATE SMOOTHLY IN AN OPENBIM ENVIRONMENT



VISUALIZATION

REAL-TIME MODEL
NAVIGATION OF COMPLEX BIM
MODEL WITH MORE THAN
500 000 BIM ELEMENTS

REAL-TIME MODEL NAVIGATION
WALK MODE
ADVANCED VISUALIZATION
SCENES AND ANIMATIONS
LEVEL MAP
TEXTURES AND MAPPING



CLASH DETECTION

IDENTIFY 10 000 CLASHES IN
LESS THAN A SECOND

CLASH DETECTION CHECKING
IMPORT AND SET CUSTOM
CLASH MATRIX AND RULES
CLASH DETECTION REPORTS
CREATE, IMPORT AND EXPORT
BCF ISSUES



QUANTITY TAKE-OFF

INCREASE EFFICIENCY AND
GENERATE ACCURATE
QUANTITY TAKE-OFFS

RAPID MODEL-BASED QTO
MANAGE, GENERATE AND
EXPORT CUSTOM QUANTITY
TAKE-OFF
INSTANTLY CREATE BIM-BASED
VISUAL QTO REPORTS

CONSTRUCTION METHODOLOGIES

INTELLIGENT LINE OF BALANCE AND
FLOWLINE SCHEDULING

SMART AUTOMATED 4D/5D PLANNING

FULL-FEATURED CPM ENGINE

SMART MAPPING OF MODEL ELEMENTS TO
SCHEDULE TASKS AND COST ITEMS

ELEMENT BASED COST ANALYSIS

BUDGETING AND BILL OF QUANTITIES

PRODUCTIVITY RATES AND RESOURCE
PLANNING

IMPORT/EXPORT SCHEDULES FROM
VARIOUS SOURCES (e.g. Primavera®, Microsoft
Project®)

ADVANCED CONSTRUCTION 4D/5D PLANNING

*According to ISO 21511

COST ESTIMATION

AUTOMATED CREATION OF COST DATABASE

AUTOMATED COST DATA MAPPING

CREATE AND EXPORT DETAILED BUDGETS

CREATE AND EXPORT COST AND RESOURCE
DATABASE

INTEGRATION OF CUSTOM COST DATABASE
(i.e. Unifomat, Masterformat, Uniclass, DIN 276...)

COMPANY COST DATABASES (USING
CENTRALIZED COST DB)

PREPARATION OF TENDERING PACKAGES

CONSTRUCTION 4D/5D SIMULATION

CREATE AND EXPORT 4D/5D SIMULATION

REVIEW 4D/5D SEQUENCE DIRECTLY IN
REAL-TIME

CUSTOM COLOR Schemes FOR ELEMENTS,
TASKS AND RESOURCES

LOOK-AHEAD ANALYSIS

4D/5D SCHEDULE OPTIMIZATION

ADVANCED ANALYSIS & OPTIMIZATION

CASH FLOW ANALYSIS

RESOURCE MANAGEMENT, ALLOCATION
AND LEVELING

LOB AND FLOWLINE ANALYSIS

A hand holding a tablet with a network overlay. The background is a blue sky with a white network of lines and dots. The hand is holding a tablet, and the network overlay is visible on the screen and extending into the background.

LEAN 4D/5D BIM MANAGEMENT

PROGRESS TRACKING

DETAILED 4D/5D TASK REPORTS

SCHEDULE COMPARISON

PLANNED VS ACTUAL ANALYSIS

EARNED VALUE ANALYSIS

CASH-FLOW MONITORING

RESOURCE MONITORING

WBS REPORTING

CUSTOMIZABLE MONTHLY
PAYMENT CERTIFICATE

EXECUTIVE REPORTING

POWER BI REPORTING

KPI TRACKING

6D FACILITY MANAGEMENT

INTEGRATE AS-BUILT PROJECT
DOCUMENTATION

INTELLIGENT DOCUMENT LINKING

LINK AND MANAGE DOCUMENTATION IN
CLOUD-BASE ENVIRONMENT

USER PERMISSION RIGHTS

DOCUMENT MANAGEMENT

REPORTING ON MAINTENANCE COSTS

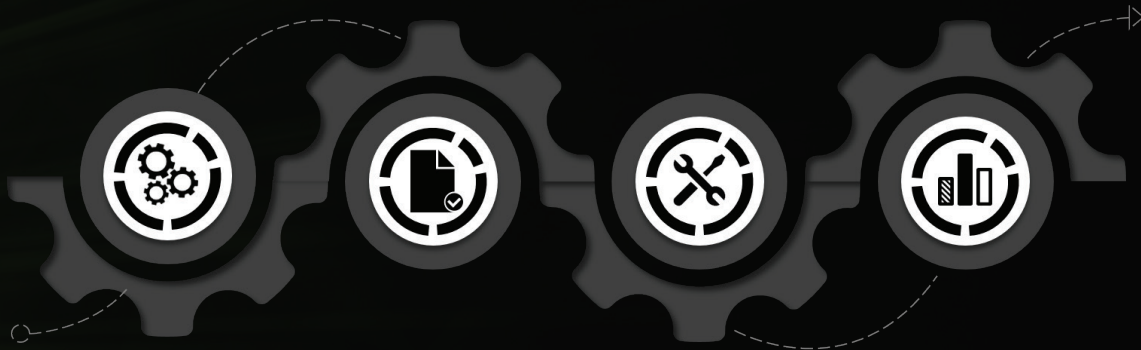
REPORTING ON REGULAR MAINTENANCE
ACTIVITIES

REPORTING ON EMERGENCY
MAINTENANCE REPAIRS AND DEFECTS

REPORTING TEMPLATES

FM CONTRACTS EXECUTION REPORTING

6D BIM REPORTING



ASSET MANAGEMENT

AS-BUILT MODEL

ASSET MODEL DATA

BIM MODEL LINKED TO QR CODING

FACILITY MAINTENANCE PLANNING

INTEGRATE FACILITY MAINTENANCE PLANS
INTO 6D BIM MODEL

MANAGE FM ACTIVITIES AND ENTRIES

SCHEDULE MAINTENANCE TASKS AT REGULAR
INTERVALS

PLANNING AND MONITORING MAINTENANCE
COSTS

NOTIFICATIONS ON PLANNED FM ACTIVITIES

CONTENT MANAGEMENT

INTELLIGENT KNOWLEDGE MANAGEMENT

EXTENSIVE EDUCATIONAL MATERIAL

- SAMPLE MODELS
- STEP-BY STEP GUIDES
- VIDEO LECTURES AND TUTORIALS
- HANDBOOK AND MANUALS
- OPEN BIM WORKFLOWS
- REGULAR WEBINARS

CONSTRUCTION SEQUENCE METHODOLOGIES TEMPLATES

- IFC CATEGORIES BASED
- INFRASTRUCTURE BASED
- REVIT BASED AND MORE

BIM READY COST CLASSIFICATIONS

QUANTITY TAKEOFF TEMPLATES

- MODEL META-DATA AND AUTOMATED CHECKS,
- ADD-INS AND API SCRIPTS



ACCESS
BEXEL **MANAGER**
USER AREA



COMMAND LINE APPLICATION

CREATE AND UPDATE PROJECTS

manage large number of different sources and BIM models

RUN MODEL META-DATA CHECKS

GENERATE REPORTS

EXECUTE ADD-INS, COMMANDS AND SCRIPTS

using open API

AUTOMATICALLY RUN PREDEFINED ACTIONS

for any set of input IFC files and Bexel Manager projects

ENRICH IFC WITH 3D, 4D, 5D DATA OR ANALYSES

using CMD application

EXPORT DATA AND REPORTS IN BCF, XLXS, HTML, PDF

file formats or achieve custom integration with third-party applications

using API

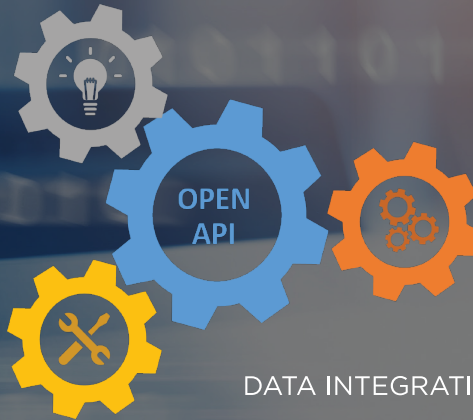
ACTIONS CAN BE SCHEDULED AND EXECUTED AS A

BACKGROUND SERVICE WITH NO UI REQUIRED

ADD NEW FEATURE OR
FUNCTIONALITY

CUSTOMIZE OR EXTEND EXISTING
FEATURES

AUTOMATE REPETITIVE
TIME-CONSUMING TASKS



EASILY IMPLEMENT YOUR COMPANY,
COUNTRY AND REGION SPECIFIC
STANDARDS AND WORKFLOWS

AUTOMATED PROPERTY
GENERATION AND STANDARDIZED CHECKS

GROUPING AND FILTERING ELEMENTS BY
PROPERTY VALUE OR RANGE

RELATIONS CHECK

DATA INTEGRATION WITH ERP (SAP)

IMPLEMENT GOOGLE TRANSLATE SERVICES TO
TRANSLATE MODEL PROPERTIES

BAR CODE READING AND LINKING WITH
GS1 - GTIN CODES AND RESPECTIVE DATA

EXPORT TO GAEB FORMAT

SEND BACK ACTUAL AND PLANNED COSTS TO THE BIM
AUTHORING SOFTWARE

EARNED VALUE ANALYSES AND INTEGRATION WITH
POWER BI

ABOUT BEXEL MANAGER

BEXEL SOFTWARE SOLUTION PORTFOLIO

Bexel Manager is developed by Bexel Consulting and based on advanced technologies intended to make projects proceed to completion smoothly and fast.

Our dedication to excellence in BIM software lasts for more than 15 years of research and exploration of BIM practices and principles.



BEXEL MANAGER LITE

BEXEL Manager Lite is the perfect tool for small to medium size projects that contain up to 15,000 BIM elements.



BEXEL ENGINEER

BEXEL Engineer is 3D BIM solution for the model view, review, analysis and quantification.



BEXEL MANAGER

BEXEL Manager is BIM management software where all analysis are integrated into a single model and single solution.



BEXEL CDE ENTERPRISE

BEXEL CDE Enterprise is fully customizable and scalable BIM platform. Integrate it with ERP system, third party apps or your custom database. This software version includes BEXEL Engineer or BEXEL Manager, depending on the user's needs.



BEXEL FACILITY MANAGEMENT

BEXEL Facility Management is software for centralized model-based 6D facility maintenance, planning and asset tracking. This software version includes BEXEL Engineer or BEXEL Manager, depending on the user's needs.



MULTILANGUAGE

Supported languages: Alongside English, Bexel Manager is now also available in German, Spanish, French, Italian, Russian, Korean, Hungarian, Slovenian, Serbian, Croatian and Bosnian language. More languages coming soon.

- ENGLISH • GERMAN • SPANISH • FRENCH •
- ITALIAN • RUSSIAN • KOREAN • HUNGARIAN •
- SLOVENIAN • SERBIAN • CROATIAN • BOSNIAN •



EDUCATIONAL LICENCE USERS

Academics from 136 countries use BEXEL Manager for educational purposes.



WINNER OF
INNOVATION AWARD
for implemented technology



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