

MTWO

RIB & Microsoft Technologies

Build Faster, Smarter, Better with
the World's #1
Construction Vertical Cloud

The World's #1 Cloud
for the Construction & Real Estate Industry



MTWO

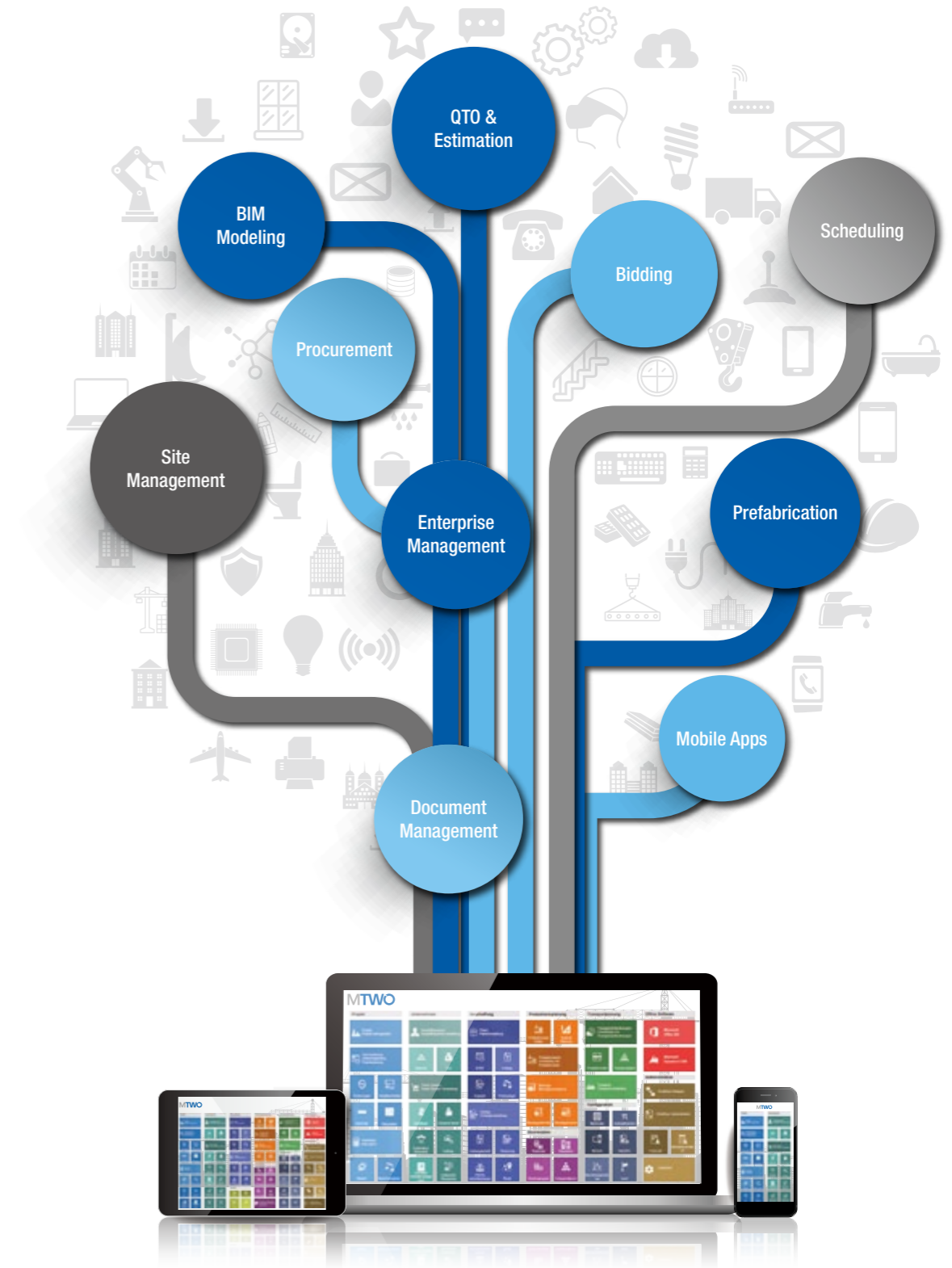
RIB & Microsoft joint solution to accelerate digitalization for the construction and real estate industry

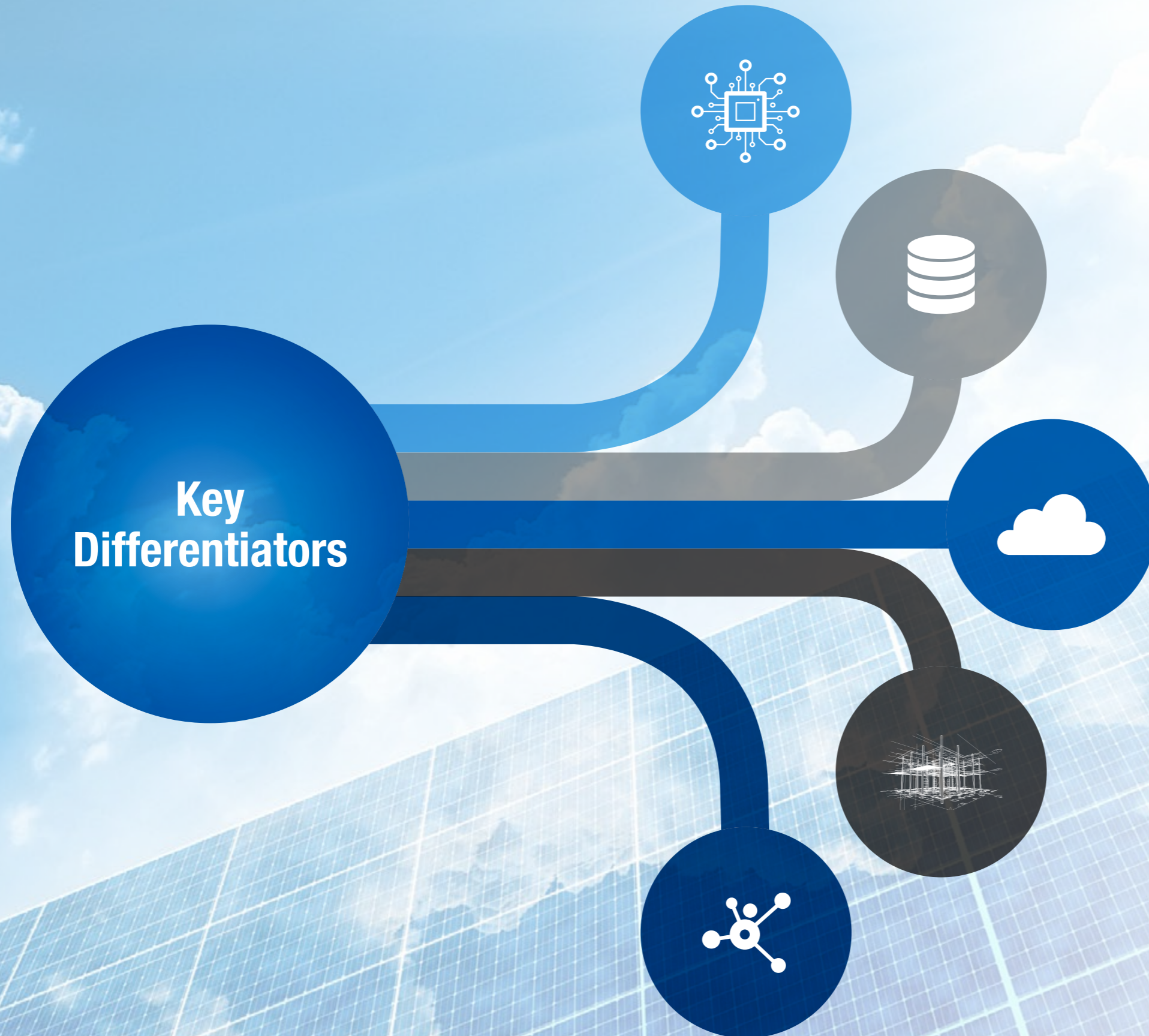
RIB and Microsoft joined forces to empower construction businesses by creating the world's #1 vertical cloud, MTWO, to accelerate the digital transformation of enterprises in the construction and real estate industry. MTWO combines RIB's flagship product iTWO 4.0 with Microsoft Azure, to offer a first class end-to-end 5D BIM enterprise cloud solution, as well as related services for developers, contractors, owners and other project stakeholders.

Founded in 1961, Stuttgart, Germany, RIB is the global leading provider of integrated 5D BIM enterprise cloud solutions. With over 1,000 employees located in more than 30 global offices, RIB is serving more than 100,000 users worldwide in the field of building construction, infrastructure, and EPC sector, etc.



Everything you need to digitalize your projects and enterprise, all in one place, connected





Integrated

- Manage everything in one place
- All project stakeholders connected in one platform
- No info silo, better collaboration

Big Data

- Store and analyze historical data for future projects
- Enterprise data can be turned into dashboards and reports to provide business insights
- Improve project control and decision making

On the Cloud

- Run efficiently anytime, anywhere on all devices
- Minimize hardware investment
- Highly reduce IT and maintenance cost

5D BIM

- 3D BIM connected with time and cost
- 5D BIM multi-scenario simulation
- Forecast cash flow, reduce change orders, increase productivity, better decision making

Highly Scalable

- Open for customized apps development
- Highly compatible with mainstream ERP and CAD systems etc.
- Fulfill your ever-growing business demands

BIM Modeling

Better decision making with smart BIM model management

MTWO allows you to seamlessly import architecture BIM models, structure models, MEP models from mainstream modeling softwares for cross-platform model integration, model check, model navigation and design analysis. This highly improves BIM model management efficiency among all stakeholders and makes it optimal for subsequent construction processes management.

Multi-model integration

Integration of multi models for one project.

Model view

View models from any desired viewpoints to quickly identify potential property issues.

Model comparison

Display model changes clearly to facilitate related work arrangement and avoid repetition work.

iTWO 3D – The Revit for MTWO

Full Revit functions plus Add-on for smarter BIM modelling and real-time model synchronization between Revit and MTWO

iTWO 3D is the joint solution developed by RIB and Autodesk which offers full Revit functions and more than 30 add-on functions to fully integrate BIM design and construction in real time. It improves the real-time integration of 3D construction modeling and schedule (4D) and project cost-related information (5D) in both virtual and physical construction processes on MTWO platform and makes model processing faster, easier and smarter.

Model check & analysis

Model check for enterprise or project standards.

QTO

Quantity calculation and import.

Model navigation & editing

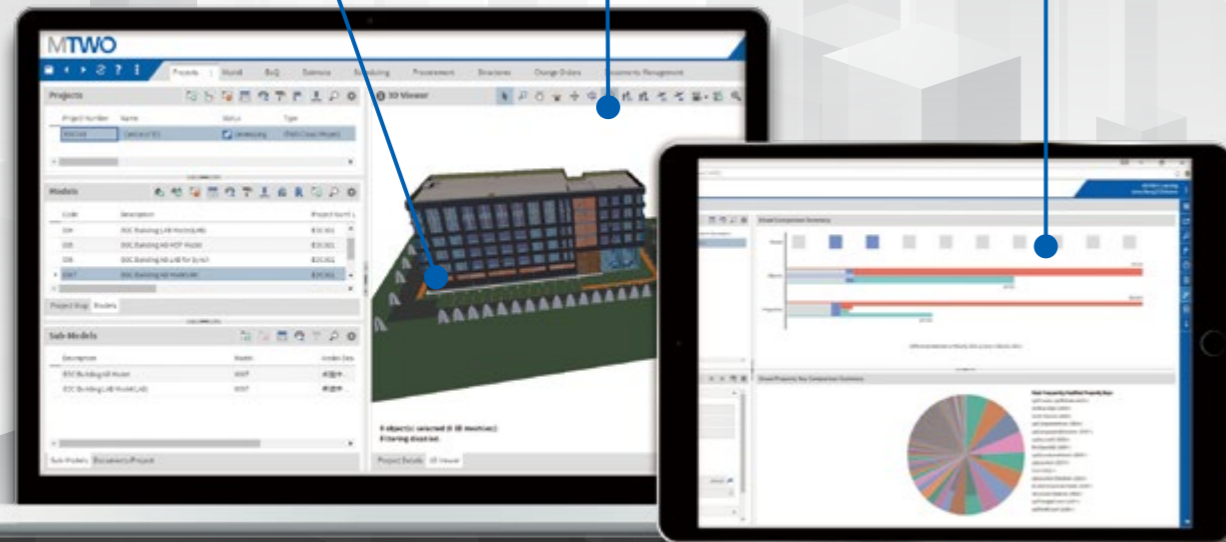
Fast model navigation and editing through smart templates.

Model synchronization

Use the most advanced technologies to synchronize the model data from Revit to MTWO.

MTWO integration

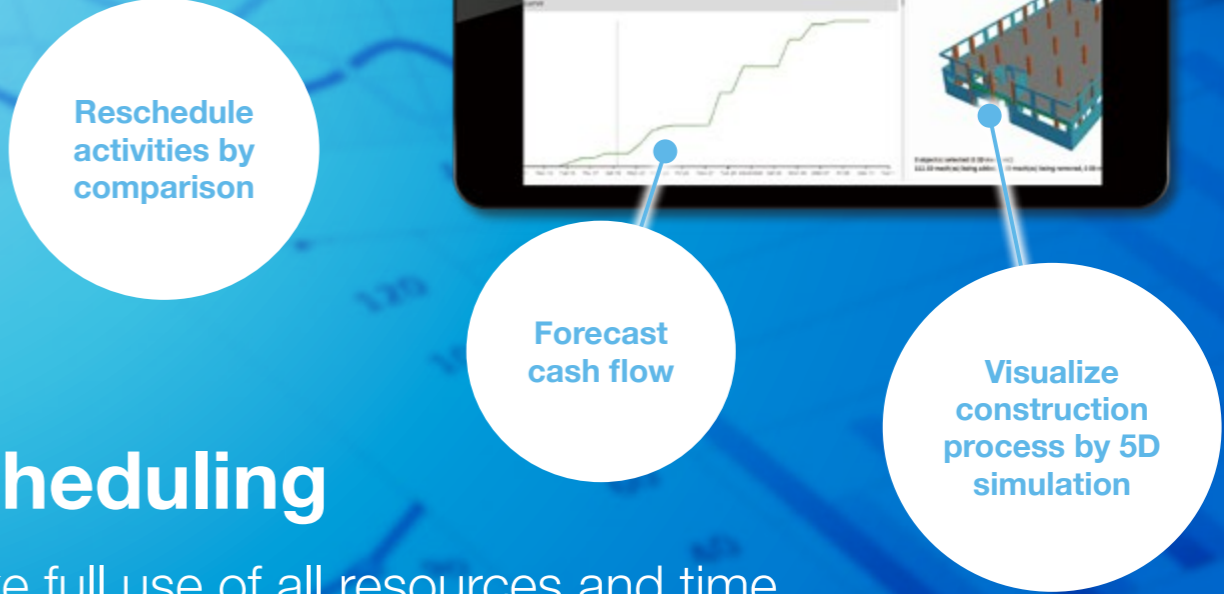
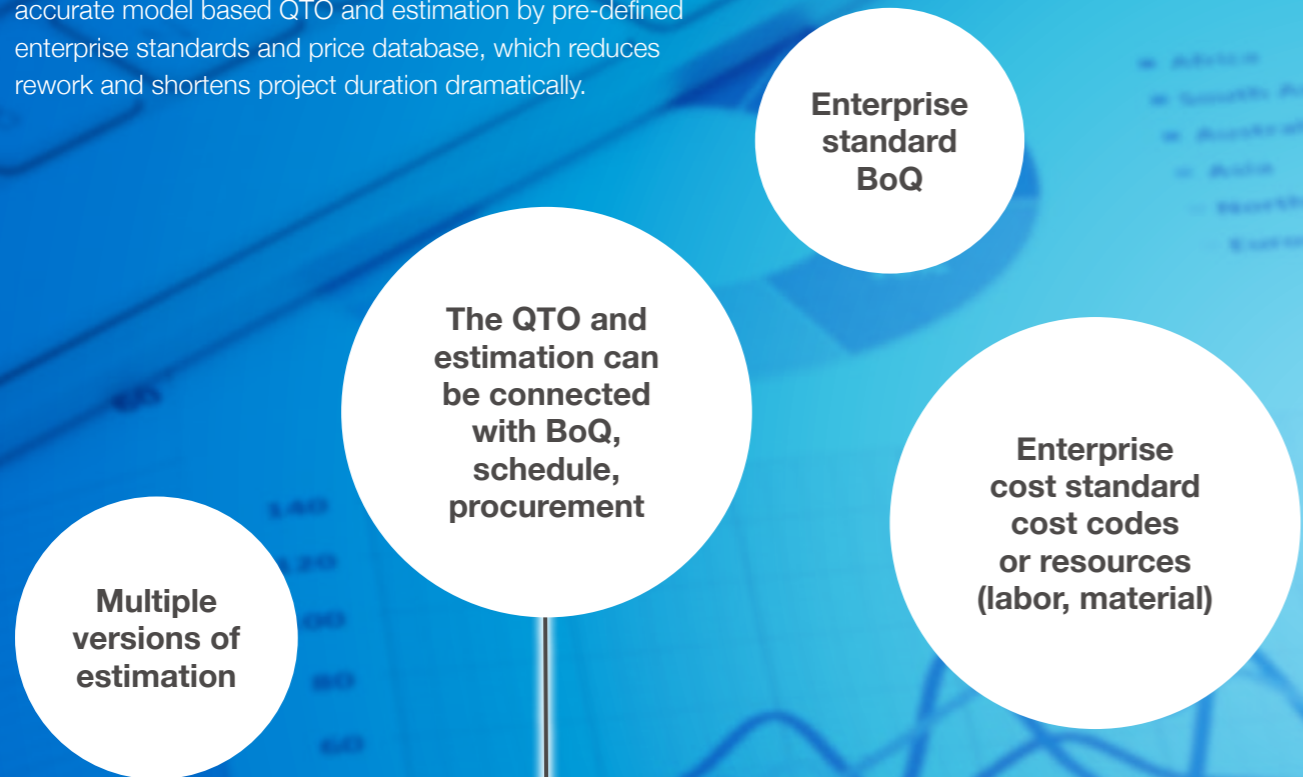
Integration of platform material information, Integration of purchased product Revit Family.



QTO & Estimation

Fast and accurate BIM-based QTO & Estimation

MTWO QTO & Estimation empowers you to create fast and accurate model based QTO and estimation by pre-defined enterprise standards and price database, which reduces rework and shortens project duration dramatically.



Scheduling

Make full use of all resources and time

MTWO scheduling offers you the Line of Balance, Grant Chart and all the tools you need to design and plan the optimal BIM-based schedules, which helps to make full use of all resources and make the best work arrangement, dramatically reducing rework and shorten project time in construction phase.



Procurement

Simplify and standardize your procurement process

Dynamically connecting Tender & Bid Management, Business Partner Management, and Direct Purchase on the cloud, MTWO Procurement module helps to simplify the labor and document intensive procurement process into a standard and structured process, incredibly improving project efficiency.

Auto creation of procurement package

Bidding

Easy to track your whole process of bidding

From creating bid, generating contract, to recording work process and issuing invoice, MTWO bidding provides lifecycle control for bidding, which will effectively reduce the workload of creating bid and help to manage the bidding process with standard method.



Real-time synchronization of result from estimation to bid

Keep the record on track

All modules will inherit BoQ from estimation to eliminate errors

Prefabrication

Realize lean construction management with higher productivity

MTWO Prefabrication module (iTWO PPS) enables the digital management of the whole prefabrication process including sales, planning prefab engineering, prediction logistics and mounting. It streamlines the prefabrication process and can be seamlessly integrated into the construction entire lifecycle management. The integration offers a complete solution that digitalizes the entire modular constitution process in a single data platform, realizing lean construction management with higher productivity and lower time and cost.



Sales

Controlling sales process from offering via ordering to invoicing.



Utilization Planning

Plan resources (project, procedures and material) optimally, maximizing productivity.



Prefab Engineering

Import prefab models from prefab CAD systems and utilize it for the production and the subsequent processes.



Production Control

Make data available for production and seamlessly integrate with iTWO MES system.



Stock/Shipping

Create transport orders of all prefab products and arrange delivery and return of assisting tools and materials. Barcode and RFID-scanners can be connected to the module for identification and tracking of the prefab products.



Mounting

Create optimal mounting plan concerning the installation dates, teams and machines by the planning board.



Performance measurement

Actual vs. planning schedule analysis & comparison.
Critical path analysis.

Document management

Activities based document management.
Easy to upload various kinds of documents.

Defect management and To-do app

Upload photos and carry out quality control.
Real time record and respond to defects.

Site Management

Control progress and quality with ease

MTWO helps you effectively manage your construction site by Performance Measurement, Defect Management, Document Management and more. Each activity performance is clearly displayed for progress management; defects are timely recorded for quality improvement; it's easy to upload documents for follow-up and project control.



Enterprise Management

Manage enterprise resources in one place

As a big data enterprise-level platform, MTWO enables global management of companies, projects, materials and all resources in one big data library. Multi workflows, multiple working calendars, Quantity take-off rules and unit rate can be predefined and created to provide smart working methods.

Document Management

Manage various scenario documents covering the whole project lifecycle in one platform. It's easy to upload documents and relate them to relevant modules for approval and invoice process.



Mobile Apps

Working on the go with MTWO technologies

MTWO offers various apps that help you use certain modules of the platform directly from your mobile devices, bringing you higher efficiency and faster access. You can quickly respond to any request and collaborate better within the whole team.





RIB
running together

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