BIM
BUILDING INFORMATION MODELING

VISUALIZATION OF DESIGN

ENERGY ANALYSIS

SITE PLANNING AND UTILIZATION

VIRTUAL CONSTRUCTION

COST ESTIMATING

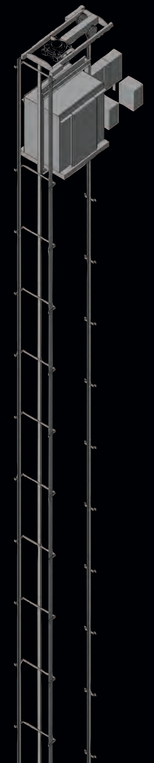
INTEGRATION OF SUBCONTRACTOR'S DATA

COLLISION DETECTION

DOCUMENTATION

ASSET AND EQUIPMENT INVENTORY

OPERATION AND MAINTENANCE



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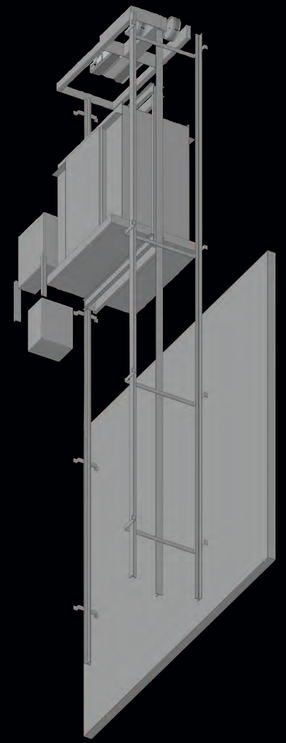
thyssenkruppelevator.com | version 10.10



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BUILDING INFORMATION MODELING

BIM

taking design to the next level

ThyssenKrupp Elevator Americas

ThyssenKrupp

A NEW DIMENSION OF BENEFITS

As the only elevator company that offers complete 3D modeling, ThyssenKrupp Elevator's BIM program has extensive benefits, making it a valuable tool for the construction design process.

improves engineering accuracy
Coordinated and reliable project information is generated to give the most accurate analysis of the building's design needs.

introduces a universal building language
Giving the complete building process a common vocabulary, making it easy for all parties involved to communicate at any stage.

creates visual construction
With the 3D computer simulation program, you can virtually build without actually "breaking ground", perfecting exactly what you want before construction begins.

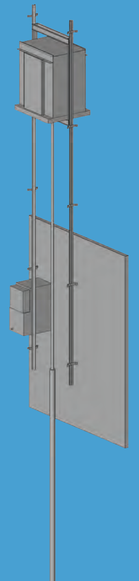
reduces rework
Your design can be adjusted to your satisfaction using our 3D modeling program, reducing costly design errors leading to any rework on the construction site.

better animation and automations
Advanced technology gives BIM the best animations and automations for premium visuals and proficient system settings.

environmentally savvy
Digital designing limits the amount of scrap materials both in production and construction.

DESIGN WITH A PURPOSE

Building Information Modeling was created to resolve conflicts that often occur between participants during the design phases of a building project. Because the BIM program manages all the project information, team members can insert, extract, update or modify data and simultaneously share it in a single repository, where it will be incorporated into all project documents. BIM promotes a collaborative environment for architects, engineers and contractors to better understand each other's role in the design process, ultimately moving the design into construction and eventually building operation.



BIM MODELING

ThyssenKrupp Elevator continues to stay on the forefront of technology by finding innovative ways to improve the building design process. Building Information Modeling (BIM) presents and visualizes building components, construction sequences, resource allocation and other elements of the construction process. It generates a coordinated reliable design into a 3-dimensional format using model-based technology that is linked to a set of rules and parameters. Architects, designers, general contractors and vertical transportation providers now have a better way to share individual aspects of the design.

With BIM, construction documentation is produced with ease, allowing users to spend more time on the building design. And, ThyssenKrupp Elevator's 3D models are more user-friendly and complete than the competition. ThyssenKrupp Elevator is currently the only major vertical transportation manufacturer to offer BIM models for elevators, escalators and moving walks.

USING THYSSENKRUPP'S BIM MODELS

The exceptional technology of Building Information Modeling gives users the advantage of predicting performance, appearance and cost in the earliest stages of design and production. We have programmed vertical transportation constraints of our products into our BIM models, giving users the ability to quickly adjust key aspects such as:

- Speed
- Travel
- Number of landings
- Number of openings
- Door height
- Cab height

With these user-adjusted elements, BIM immediately shows how the project design is affected. Users can also see space requirements, review connection points to the building, view structural support requirements and other crucial information needed to accurately design their building.