

# Streamline your design process with KONE BIM

## BUILDING INFORMATION MODELS (BIM)

KONE BIM models provide you with relevant information, measurements, and details relating to our equipment. They ensure efficient communication and collaboration during the planning and design phases of your project. BIM collaboration is a process where the different project partners can share information, avoid potential problems at an early stage, and communicate openly with each other in order to achieve the best possible end result.



### What is BIM

Building Information Modeling is about more than just software models – it describes a method of communication and collaboration between project stakeholders during the design and realization of a building. Building Information Models (BIM) allow you to create simplified 3D models of assets such as elevators and escalators.

These models can include building interface points, the forces applied to the building by our equipment, information about materials, and generic equipment specifications. Our BIM models can be 'plugged in' to a digital representation of a building to assist with planning and cooperation in the design phase.

### HOW WE SUPPORT YOU WITH BIM

- We provide Autodesk Revit Architecture BIM models for all our elevator and escalator products. Other formats, such as IFC, available upon request.
- We offer design-level models (LOD100/200) and construction-level models (LOD300/400).
- You can configure and download KONE BIM models for use in preliminary planning via the KONE Toolbox. For project-specific models, please contact your local KONE salesperson.
- We offer consultation and support for every stage of your project.

## How we support you

We can provide you with BIM models that match your planning needs, whether you need design models for initial plans, or more detailed construction models.

The online KONE Toolbox gives you access to design-level 3D models for our entire volume elevator and escalator range. We can also provide models tailored to your specific needs. Our models provide all the information you need in the early stage of the planning process, such as accurate measurements for elevator shafts and shaft openings. Later on in the design process

we are able to supply more detailed construction-level models that you can use when finalizing your plans. These models include building interface information such as interface forces applied to the building, as well as more detailed equipment specifications. Our equipment models can be integrated with your BIM model in order to perform required checks such as clash detection.

After delivering the final model, on-site support and consultation is available to help with any necessary final adjustments.

### DESIGN MODEL (LOD200) – HIGHLIGHTS

Raw openings for elevator landing doors shown and dimensioned according to KONE requirements

Main elevator components that don't have a direct interface with the shaft are shown as illustrative parts

Openings and cutouts are shown as placeholders with correct dimensions

Correct elevator shaft size reservation with main model dimensions included as parameters

### CONSTRUCTION MODEL (LOD400) – HIGHLIGHTS (IN ADDITION TO LOD200 MODEL)

Lifting hooks used during installation correctly placed on shaft roof

All components that have a physical interface with the elevator shaft walls are correctly positioned in the shaft with visible fixing points

Maintenance access panel (MAP) correctly placed with cutouts

Landing door fixings points can be identified

Signalization components and cutouts correctly placed

Components in elevator pit shown in correct position; fixing points can be identified

Elevator electrical values and mechanical forces included in the model

