



## About DUDASTUDIO Ltd.

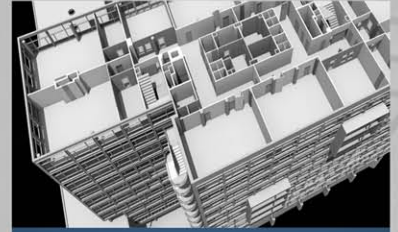
The main goal of DudaStudio Ltd. is supporting construction industry with 3D model based virtual construction services that helps to reach a better construction quality and can spare money and time for our customers. We strongly believe and know that this construction orientated service approach brings great benefits to our clients. We are proud of our participation in those large international construction projects from US, Scandinavia, UK, Germany and Singapore over the last decade where we gained large experience on the field of Virtual Construction in wherewith we can serve to our current and future partners. We hope you will be welcomed among our happy and satisfied partners and we can cooperate together!

## Construction BIM & Design & Management

### Construction modelling

This is the basis of every virtual construction work that is a result of a special modelling technique and methodology that focuses on construction and represents the erection of a building as it happens on the site. With this special workflow, we turn 2D design or construction and shop drawings into 3D models in different modelling applications like **REVIT** and **ArchiCAD**. The construction-specific building model is a perfect tool to coordinate the constructability of all construction trades involved in 3D and generate quantities from the model. Furthermore, visualizations of the project can assist all team members, from site operatives to company executives.

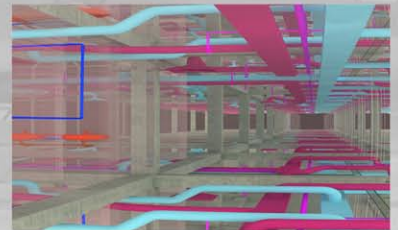
- **Structural modelling:** Substructure: Pilings, retaining walls, foundations, etc.  
Superstructure: Frame modelling, upper floors, roofs, stairs, etc.
- **Architectural modelling:** Exterior: Exterior walls, openings, curtain walls, cladding, etc.  
Interior: Partitions, doors, finishes, sanitary, etc.  
Lift and conveying systems  
Site: Landscaping, roads, fencing and gates, etc



### MEP coordination modelling

Nowadays the mechanical modelling gets more and more important since the complexity of the mechanical design can be controlled and monitored efficiently only in 3D.

- **MEP modelling:** HVAC systems  
Plumbing system  
Fire protection  
Electrical  
Equipment elements



### Model based quantification

We offer a **Quantity take-off service** based on our internally developed 3D models that serve the requirements of estimations as well. We use a process in which BIM can assist in the generation of accurate quantity take-offs and cost estimates throughout the life cycle of a project. This process allows the project team to forecast the cost implications of their design changes during all phases of the project, which can help to curb excessive budget overruns due to project modifications. Specifically, BIM can provide the cost implications of additions and modifications, with potential to save time and money, which can be most beneficial in the early design stages of a project.



### 4D and 5D simulation

DudaStudio LTD provides **4D Simulation** services - a process in which a 4D simulation is generated from the 3D models, with the added dimension of time. This can effectively plan the phased occupancy in a renovation, or show the construction sequence and space requirements on a building site. Stepping further, we provide **5D Simulation** as well that integrates 3D design, construction cost and construction schedules, that visualize the project cash-flow and generate construction movies. 5D simulation is a great tool for project feasibility studies where the monitoring of project cost and project schedule is mandatory.



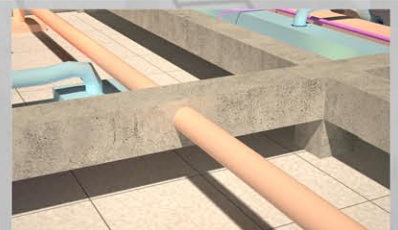
### Construction visualization

DudaStudio LTD offers a full Architectural and Construction Rendering and illustration service, via flexible and personalized solutions to our clients. We can build our own 3D construction model or work from external models as well. On our service palette, **high level rendering pictures, building animations, fly-throughs, walk-throughs, virtual walks** can be found.



### Clash detection

Our company offers **3D Coordination and Clash Detection** services as well, in which process Clash Detection software (e.g.: Solibri) is used during the coordination process to determine field conflicts by comparing 3D models of building systems. Via this system we can help the designers to increase their communication with their design partners, by facilitating live clash detection meetings that might run parallel with the design process. The goal of clash detection is to eliminate the major system conflicts prior to installation that can save large amount of money and time to our customers. This service might be the most valuable one from the service palette that BIM can provide.



**“ CREATION IS OUR PASSION... ”**