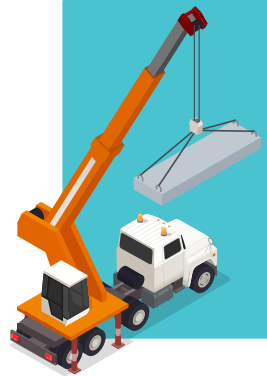




WHAT ARE THE BENEFITS OF USING REVIT FOR BIM PROJECTS?

REVIT IS THE WIDELY USED BIM SOFTWARE WITH A GREAT USER INTERFACE FOR THE AEC INDUSTRY TO WORK ON THE DESIGN AND DEVELOPMENT SCOPE OF WORK. IT IS USEFUL IN THE POST-CONSTRUCTION PHASE FOR **AS-BUILT DRAWINGS**, **FACILITY MANAGEMENT**, AND RELATED ACTIVITIES.



REVIT HELPS TO BRING COLLABORATION AND COORDINATION AMONG THE THREE DISCIPLINES: ARCHITECTURAL, STRUCTURAL, AND MEP ENGINEERING TO DELIVER A CLASH-FREE BIM MODEL AND CONSTRUCTION DRAWINGS. REVIT CAN FUNCTION EFFICIENTLY IN THE BIM ENVIRONMENT THROUGH INTEROPERABILITY FEATURES. THROUGH THE VIRTUAL CONSTRUCTION MODEL, THESE FUNCTIONS CAN BE USED FOR CLASH DETECTION, ASSET TAGGING, INFORMATION MANAGEMENT, SCHEDULING, COST ESTIMATION, ENERGY ANALYSIS, AND FACILITIES MANAGEMENT.



BENEFITS OF REVIT FOR BIM MODELLING



PARAMETRIC FEATURES

STEP - 1

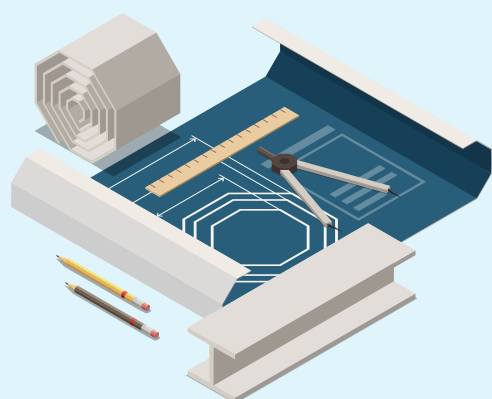
THE MODEL CREATED IN REVIT IS PARAMETRIC, AND CONSTRUCTION COMPANIES ARE PARADIGM-SHIFTING FROM CAD MODELLING TO BIM MODELLING.

STEP - 2

CHANGES OR MODIFICATION DONE IN THE 3D MODEL ARE AUTOMATED IN THE 2D PLANS AND VICE VERSA.

STEP - 3

IT SAVES A LOT OF TIME AND EFFORT. IT ALSO REDUCES ERROR FETCHED IN THE MODEL.



NO REDUNDANCY

STEP - 1

ANY CHANGES MADE TO A PART OF THE MODEL ARE AUTOMATICALLY REFLECTED ACROSS THE MODEL, REDUCING CONSTRUCTION TIME AND ERRORS.

STEP - 2

ALL THE BUILDING DATA IS IN ONE SINGLE MODEL, WHICH REQUIRES EASY ACCESS AND CAN BE UTILISED FOR DIFFERENT PURPOSES.



ENERGY ANALYSIS

STEP - 1

REVIT CAN ENHANCE SUSTAINABILITY IN BUILDING DESIGN.

STEP - 2

REVIT PROVIDES INTEROPERABILITY TO MANY ANALYSIS TOOLS AND PLUG-INS THAT HELP IN BOOSTING ENERGY ANALYSIS. IT ALSO PROVIDES 6D & 7D BIM FOR BUILDING STRUCTURES.



AS-BUILT MODELLING

STEP - 1

REVIT SUPPORTS **SCAN TO BIM SERVICES** USING RECAP, WHICH HELPS CAPTURE EXISTING STRUCTURE SCANS INTO POINT CLOUD FILE FORMATS.

STEP - 2

POINT CLOUD DATA IS THEN CONVERTED INTO 3D BIM MODELS USING REVIT, WHICH CAN LATER BE USED FOR RENOVATION, RETROFITTING OF EXISTING STRUCTURES, DESIGNING NEW STRUCTURES, AND DEMOLITION OF THESE STRUCTURES.

