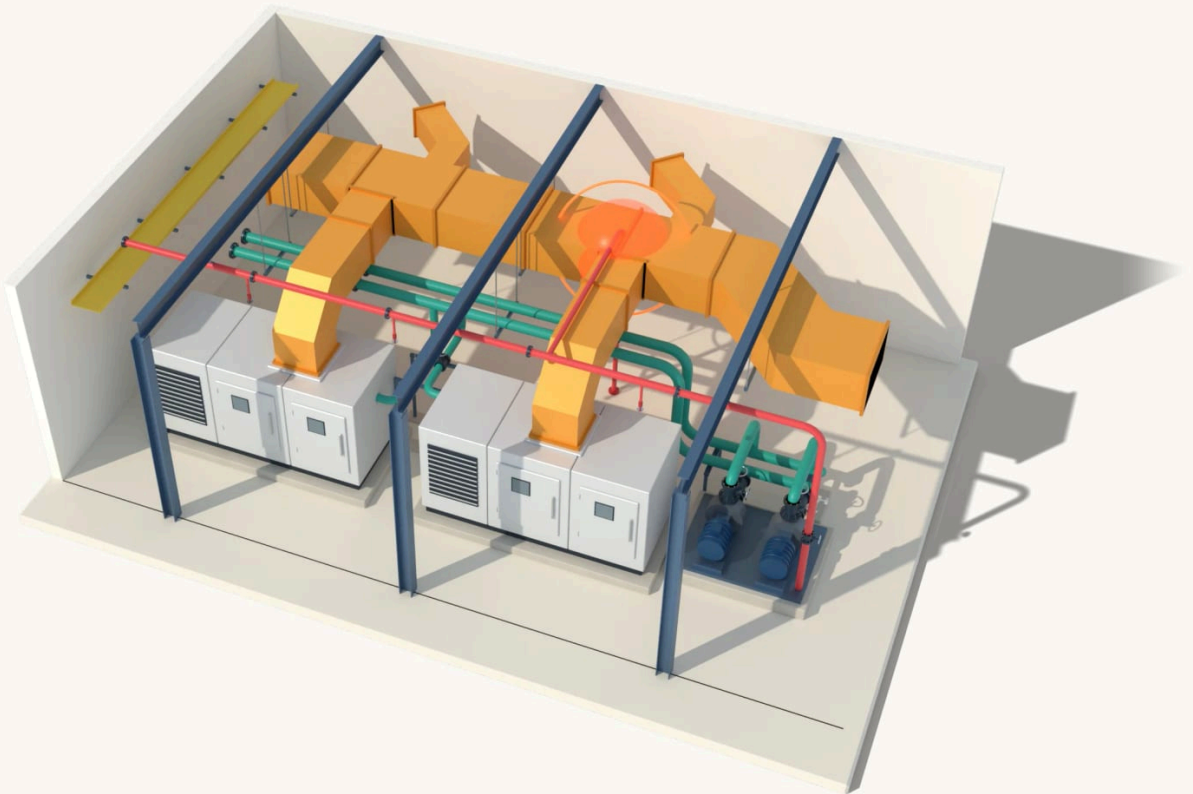


# MEP BIM services

Air, water and power routed in 3D, so installers get a plan that already fits.



ILLUSTRATIVE 3D MODEL

## SOFTWARE

Autodesk Revit, Autodesk Navisworks,  
AutoCAD

## YOU RECEIVE

MEP Revit model, by discipline;  
Coordinated federated model (NWD)  
where in scope

## REPLY TIME

A scoped quote within one working day.  
NDA first if you ask.

## IN PLAIN WORDS

# MEP BIM, explained.

### IN PLAIN WORDS

MEP means mechanical, electrical and plumbing: the ducts, pipes and cables inside a building. We draw every one of them in 3D, find where they collide with each other or with the structure, and produce drawings installers can build from.

MEP is where buildings get crowded. Ducts, pipes, cable trays and sprinklers all compete for the same space above the ceiling, and they have to clear beams, columns and each other. Modeling them in 3D before installation turns a site argument into a desktop fix.

We model HVAC, plumbing, electrical and fire protection to the codes and standards of the project's location, route services with sensible 45-degree transitions and access clearances, and prepare the model so it can be coordinated and turned into shop drawings.

### LEVEL OF DETAIL

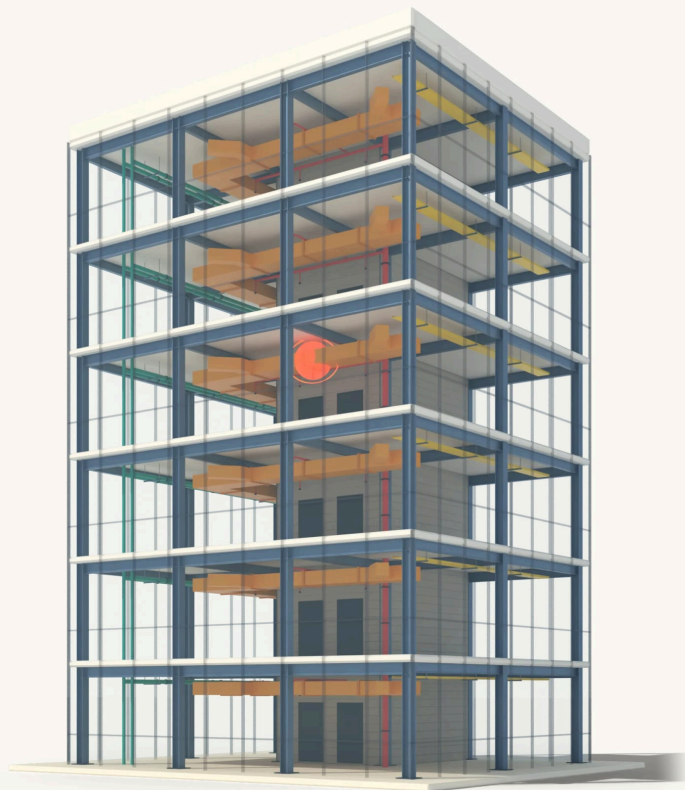
LOD 300 for design coordination, LOD 350 for trade coordination, LOD 400 for fabrication and installation drawings.

### SOFTWARE AND FORMATS

Autodesk Revit, Autodesk Navisworks, AutoCAD. Delivered as RVT, RTE, IFC, DWG, PDF, NWD.

### WHO IT IS FOR

MEP consultants and engineers. MEP contractors and installers. General contractors running coordination. Facility managers who need an as-built services model.



## WHAT IS INCLUDED

# What we build and deliver.

|                                                                                                                                              |                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>01</p> <p><b>Mechanical (HVAC)</b></p> <p>Ducts, fittings, air terminals, equipment, chilled water and refrigerant pipework.</p>          | <p>02</p> <p><b>Plumbing and drainage</b></p> <p>Water supply, soil and waste, storm drainage, fixtures and pump rooms.</p>                      |
| <p>03</p> <p><b>Electrical</b></p> <p>Cable trays, conduit runs, panels, lighting layouts and containment.</p>                               | <p>04</p> <p><b>Fire protection</b></p> <p>Sprinkler mains, branches, heads and risers modeled to the design criteria supplied.</p>              |
| <p>05</p> <p><b>Shop drawings</b></p> <p>Mechanical, plumbing and electrical installation drawings extracted from the coordinated model.</p> | <p>06</p> <p><b>Quantities and families</b></p> <p>Take-offs by system and size, and MEP Revit families for manufacturer-specific equipment.</p> |

### What you send us

- Design drawings, schematics and equipment schedules
- Design criteria and any code requirements
- Architectural and structural models or drawings to coordinate against
- Your title block, sheet size and naming standards
- A named contact for questions

### What you receive

- MEP Revit model, by discipline
- Coordinated federated model (NWD) where in scope
- Installation and shop drawings
- Sleeve, penetration and hanger information
- Quantity schedules by system and size

## — HOW A PROJECT RUNS

# Four steps, **written down.**

01

### Send us your drawings

Share what you have: DWG, PDF, a Revit model or a point cloud, with the services and level of detail you need.

02

### We scope and quote

We read the drawings and write down the scope, the LOD and any assumptions, then give a fixed price or a rate.

03

### We model and check

Our team builds the model, then checks it: model health, coordination and clash tests where in scope.

04

### You receive the model

Revit, IFC, DWG, PDF and NWD files with a note of what we assumed and flagged. Revisions follow the agreed scope.

## — WHERE WE WORK

UNITED KINGDOM

UNITED STATES

CANADA

AUSTRALIA

UAE AND THE GULF

EUROPE

Standards, units and working hours differ by region. Our market pages at [www.sactik.com](http://www.sactik.com) explain each one.

## — COMMON QUESTIONS

### Can you design the MEP systems?

We model the systems your engineer has designed. Where design information is incomplete, we raise a query rather than guess, and record the assumption we proceed on.

### Do you produce shop drawings?

Yes. Once the model is coordinated and signed off, mechanical, plumbing and electrical shop drawings are extracted from it, so what is drawn is what was checked.

### Which codes do you work to?

The ones your project specifies. Tell us the jurisdiction and standards at the start, and we model to them.

## Send us your **drawings.**

We reply with a scoped quote, usually within one working day. We will sign your NDA first if you ask.

 Shivalik Satyamev, BRTS Stop, 621, Sardar Patel Ring Rd, near Ambli - Bopal Road, South Bopal, Bopal, Ahmedabad, Gujarat 380058, India

 +91 98983 48022

 [connect@sp-acecrafts.com](mailto:connect@sp-acecrafts.com)

 [www.sactik.com](http://www.sactik.com)

 [linkedin.com/company/102757633](https://www.linkedin.com/company/102757633)

 [instagram.com/sactikservices](https://www.instagram.com/sactikservices)

 Facebook: Sactik Services



REQUEST A QUOTE



FIND OUR OFFICE