

Revit family creation services

Reusable digital parts for your products, so designers can drop them into their models.



ILLUSTRATIVE 3D MODEL

SOFTWARE

Autodesk Revit, Autodesk Navisworks, AutoCAD

YOU RECEIVE

Revit families (RFA) with type catalogs where relevant; RTE template if a project template is needed

REPLY TIME

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

— IN PLAIN WORDS

Revit family creation, explained.

IN PLAIN WORDS

Designers build models from ready-made digital parts, such as doors, chairs and air handlers, called families. If you make or supply a product, we build its digital part so architects can place it in their models and specify it.

A Revit family is a reusable, parametric object: a window that resizes, a duct fitting with the right connectors, a light fitting with its photometric data. Good families are light, correctly categorized, and carry the right parameters. Bad ones slow a model down and break schedules.

We build families for manufacturers who want their products in designers' models, and for design and construction firms that need project-specific or standard content. We work from CAD files, product sketches, PDFs or catalog data, and deliver in Revit family format or IFC.

LEVEL OF DETAIL

Families are built to the detail the user needs, usually LOD 300 to 350, with lighter 2D representation in plan so models stay fast.

SOFTWARE AND FORMATS

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

WHO IT IS FOR

Building product manufacturers and suppliers. Furniture and fixture makers. Equipment manufacturers. Design firms building a standard content library.



WHAT IS INCLUDED

What we build and deliver.

01 Architectural families Doors, windows, curtain wall panels, fixtures, casework and furniture.	02 Structural families Connections, anchors, custom sections and precast elements.
03 MEP families Equipment, fittings, terminals and fixtures with connectors and flow data.	04 Manufacturer libraries A coherent, branded family library with types, parameters and a naming standard.
05 Parametric behavior Sizes, materials and options controlled by parameters and type catalogs.	

What you send us

- CAD files, drawings, sketches or product PDFs
- Dimensions, variants and materials
- The parameters you want exposed to designers
- Any manufacturer data, such as model numbers and performance values

What you receive

- Revit families (RFA) with type catalogs where relevant
- RTE template if a project template is needed
- IFC objects where required
- Parameter list and naming guide
- A test project showing each family loaded and scheduled

— 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 explain each one.

— COMMON QUESTIONS

What formats do you deliver?

Revit families (RFA), project templates (RTE) and IFC. Tell us the version of Revit your audience uses.

Can one family cover all my product sizes?

Usually yes, with parameters or a type catalog. We recommend the structure after seeing the product range.

Will families work with schedules and quantities?

Yes. We set up the categories and parameters so they schedule correctly, and test that in a sample project.

Send us your **drawings.**

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

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