TOOLS & RESOURCES

Get the Attenuation Objects Before Your Next Hamina Design

By **Keith Parsons, CWNE #3** · 2026-08-12 · originally on LinkedIn

If you do predictive design in Hamina, go get Robin Decloedt's attenuation object library before your next project.

Hamina ships attenuation profiles and the tools to draw shapes, and it leaves the everything else to you. That is why so many models stop at the walls, and why a warehouse full of loaded pallet racking ends up drawn as one big block. Asking for a ready-made object library is not a new idea, either. People have asked Hamina for one in public, more than once.

Robin went and drew the furniture. Desks, task chairs, steel cupboards, server racks, pallet racking, forklifts, each one built part by part at real dimensions instead of approximated as a solid box.

Here is the workflow.

1. Open https://lnkd.in/gkWxpeSk and pick an object.
2. Copy it to your clipboard from the page.
3. Need it turned, resized, or made of a different material? Paste it into Robin's object editor at https://lnkd.in/gbpAbMQR, adjust it there, and copy it back out.
4. Paste it into your Hamina project.

That is all of it. Both pages are Robin's.

Joel Crane's Hamina clipboard tool came first, at https://lnkd.in/g3g8B74c. It rotates objects in steps of 1, 5, 22.5 or 45 degrees.

I know it came first because Robin says so, on his own editor page: "Inspired by Joel Crane's Hamina clipboard tool, which came first and also handles whole-canvas rotation, bulk zone-type conversion, and circle and grid generation." At the foot of that page: "With thanks to Joel Crane for the idea.

Nobody made him write that. Keep both bookmarked, because they do different jobs. Robin's editor is where you resize an object or change what a part is made of. Joel's is where you rotate a whole canvas, convert zones in bulk, or generate a circle or a grid.

Robin publishes the objects under Creative Commons Attribution 4.0, and he says plainly that dropping one into a survey or a client deliverable needs no credit at all. Use them commercially, change them, build on them. Credit is owed only if you republish the objects themselves.

Kjetil Teigen Hansen built the other half, at https://lnkd.in/gzPNSpvH. Generators for office clutter, vehicles, vegetation and people, a 3D object editor for changing geometry and attenuation properties, and editors that open Hamina and Ekahau project files directly. Robin's library hands you finished objects; Kjetil's tools hand you the means to make your own. I asked Kjetil how he wants his tools shared. He said share them, and that they are all free.

All of this lives on the authors' own sites rather than on a vendor's. I teach Hamina in my Wi-Fi design courses, this will make a fun new student exercise. I have not seen another object library like Robin's anywhere else.

Robin takes submissions, and contributors are credited by name on every object they send.

What is the one object you keep redrawing by hand that ought to be in there?

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