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Sweet Onion Creations to Offer Premium 3D Architecture Models

Bozeman company to be outsourced solution for models

(Bozeman, MT, December 15, 2006) Sweet Onion Creations announced today that it will be offering complete architecture modeling solutions from its Bozeman office. Borrowing tools from the engineering design community, the company plans to take the hassle out of translating 2D designs to 3D models.

“We are excited to offer an outsourced solution for architects or developers wishing to model their designs for client meetings”, said cofounder Jake Cook. “We took a look at how engineers go back and forth from a physical object to their computers in the design process and thought, “Why not apply this to architecture?” Most people struggle to understand blueprints and a model can save a lot of headaches down the road.”

Traditional hand-built models can take weeks or even months to build off of blueprints and the results are limited by the materials at hand. Land features are typically represented with terraced cut-out lines from cardboard or wood. This method for representing an idea is often times tedious and the end result can fail to communicate critical material details. These reasons are why many architecture firms have shied away from building 3d models even though they are often times the most effective way to communicate with a non-technical audience.

Sweet Onion Creations' process starts with the [architect's computer aided design \(CAD\) file](#). Using software tools, Sweet Onion checks the integrity of the file for mistakes and then feeds the data into a specialized machine that reads the digital information and builds a physical object. The raw materials for the process includes a corn starch like material and a sugar-based “glue” that holds the structures together. The model is then hardened and painted for final presentations.

The company can work off of existing 3D data or convert a 2D design into a three-dimensional representation. A pure digital file is crucial to making the transition from the computer to the machine. Without this foundation producing a physical object can be virtually impossible and is often times the most tedious task in the process.

The technology for this process requires minimal environmental impact. Raw material waste is roughly 3% per model. All of the excess material is able to be recycled through the machine. The company has chosen to offset its electrical use through green tags purchased from the Bonneville Environmental Foundation. Which generates power in part from Montana wind farms near Glacier National Park.

The order process includes a brief phone consultation regarding the goals of the model and the upcoming client presentation. Quotes for a proposed project are usually done within 24-48 hours and clients can customize their model based on factors such as final quality, color, and site details.

About Sweet Onion Creations

Sweet Onion Creations was founded in 2006 in Bozeman, Montana, and builds premium 3d scale architecture models. The company offsets its environmental impact with renewable energy credits and recycles 100% of its raw material waste. Examples of the company's current work can be viewed online in its [Architecture Modeling Gallery](#) section.