



RECREATING ECONOMIES WITH 3D PRINTING

Open Source Ecology measures success in days, not weeks, with LulzBot.

From factory to farm

LEGO aren't just for kids anymore. Open Source Ecology (OSE) is building its network of farmers, engineers, and supporters by creating life-size sets of modular tools, similar to the ever-popular building blocks of our youth. Except instead of make-believe forts and killer robots, the tools created by OSE, called the Global Village Construction Set, allow for the easy, do-it-yourself fabrication of the 50 different industrial machines it takes to build a sustainable civilization with modern comforts.

OSE's open source, low-cost, high-performance technological platform is designed to lower the barriers of entry into farming, building, and manufacturing, creating entirely new economies in the process. But it takes a lot of iterations to create and test the small-scale models that someday will be large, metal, operational equipment. Finding a way to

“Rapid prototyping allows you to build at a very low cost because you're doing it once instead of ten times.”

Marcin Jakubowski
Founder and Director, Open Source Ecology

create prototypes quickly and affordably was essential for OSE to continue on their mission of providing a method for rural communities, urban redevelopment areas and the developing world to have access to machines—everything from tractors and wind turbines to bread ovens and dairy milkers.

