

Hi my name is Marcin - and I'm Catarina. In 2011, I ran a Kickstarter for building the first release of our open source construction machines - and since then - we have been refining our building techniques. We are now joining forces again to launch a new effort - Open Building Institute (OBI)

The open building institute is an open source, crowdsourced effort to make a ffordable housing widely available.

We want to do for housing what Wikipedia did for knowledge. We embarked on a journey to make building your own house easier, cheaper, and faster.

Mission: to solve housing.

*? in 2011 or now?  
we are embarking on...  
? too vague - to bring high-quality, attractive affordable housing to more people*

Affordable housing is a huge issue. So we thought, what if we open sourced this issue? To solve this issue once and for all - not only for ourselves - but for everyone who needs a cheaper way to design their home ~~is in the same position.~~

*how big is this one? how much is labor?*

We have developed a Seed Home microhouse that can be built for as little \$7k in materials - and a 675 square foot modular house that can be built for \$22k in materials - ~~or \$10k more - if you include labor.~~

*Plus want to add*

We have solved the labor issue with an innovative model of modern-day open source barn-raising. Thus - we ~~can~~ not only enable you to design and build a house at a low cost - ~~but~~ <sup>we</sup> also show you how to do it in 5 days!

**Chris Andersen of Wired! has said that the last decade was about innovating new information-age production models - and that this decade is about putting them into practice.** This is exactly what we're doing. We call our build process Extreme Manufacturing. It's like Tim Ferriss meets construction. And we believe that this process can scale to wide adoption in house building.

*home?*

Modular incremental design is our key - build half of a good house up front - using a simple extensible building system - and add to it in modular increments when you can afford it, so that you never have to go into debt. Our designs are based on about 30 panel and utility modules that can ~~be~~ fit together however you like, ~~and can be used~~ to create a simple studio, a fine house, or anything else that you imagine. It's like building a real house out of giant Lego Blocks ~~meets real construction.~~

*home*

*? don't know what this means*

Here's how it works.

*this may vary widely. How much land do you need in acres?*

First, you need land - about \$10k for a building parcel in the USA. You hire us, OBI - and we do the rest for you, - the client. We organize and recruit workshop participants - for an immersion build and skill building experience. We use the open source OBI modules to build the house to your design. These OBI modules are

*specs*

optimized for simplicity of assembly and to enable a high-speed ~~performance~~ and speed ~~by a parallel~~ build. Teams build modular panels in parallel - on the ground - and then assemble them rapidly in the finished building. Panels typically have electrical and plumbing built in, so only simple hookups are necessary at the end. Using this social production model - a large party of up to 100 people can finish a house - under the guidance of a skilled leader. We have found that this experience is educational, productive, and fun - where people wow themselves with their new-found skills. AND - the client ends up with a finished ~~house~~ - in 5 days - at \$10k over the ~~bill~~ of materials ~~cost~~. We can build houses faster than anyone else in the world - starting from raw materials, not prefabricated panels.

~~And~~ If you look at the features of our Seed Home - you won't find any other building service - offering ~~nearly~~ the same features - for anywhere close to this price. This is the power of open source design, where we collect best practices of world experts.

How do we compile the crazy amount of technical expertise - across areas of design, materials, construction, energy, sanitation, food production, materials - and more - that goes into our integrated eco Seed Home? We have learned - that ~~by far~~ the greatest resource of an open source project is ~~the ability to tap~~ the knowledge of many subject matter experts - who are motivated to share their expertise for free. (link to see our advisory team)

We are guaranteeing all this knowledge as open source - for ever. No exceptions.

~~But~~ our package gets even better. To make the use of local construction materials possible - anywhere - we are also open-sourcing the materials production. This includes stabilized Compressed Earth Blocks (CEBs), lumber, and insulation - where we publish the machine designs - and plans for production facilities that employ these machines - for everyone on the internet. Imagine - knowing where your house building materials - actually - came from? And, being able to start up small scale manufacturing of critical building supplies - with minimum barriers to entry?

The catch is - any build of this scope - and speed - relies on the guidance - of a highly skilled leader. This is the hard part - and has been our main block to scaling. To address this, we are starting an immersion 6-month training program for builders. This will allow us to run builds at other sites - and if the training program scales - this housing can be accessible as a turnkey product anywhere in the world.

The goal of this campaign is to refine the building system - while producing the two specific designs and builds of the Seed Home, and the Aquaponic Greenhouse - to develop and build production facilities for brick, lumber and insulation - and to write curriculum for the immersion training program. The production

facilities will be used for training. With this - the world receives tools, techniques, and training - so we can all contribute to solving the world housing problem. We also invite you to our Extreme Manufacturing build workshops if you'd like to uncover your building skills as you build a house from start to finish..

For this Kickstarter, <sup>we</sup> are offering 4 spots for early adopters - on a waiting list for a build - of the Seed Home or Aquaponic Greenhouse - anywhere in the USA. <sup>discover?</sup>

We think we have only scratched the surface of possibility. OBI will provide the tools - so we can all take the housing issue into our own hands - whether in the States, or anywhere else in the world. The world-famous incremental housing architect - alejandro aravena -: **"The purpose of design . . . is to channel people's own building capacity."**

We ask you to help us, and help the world - by contributing to this Kickstarter, sharing on your social media, and emailing your friends. And - build yourself. Build - Your World.