



Open Prototype Initiative

Transforming the Way America Builds Homes

A project of MIT House_n and Bensonwood Homes



Goals for MIT House_n in the Open Prototype Initiative

Design concepts and systems that result from the following activities will be evaluated by academic researchers and industrial partners for inclusion in each subsequent Open Prototype Initiative Home.

The goals of MIT House_n in the Open Prototype Initiative include:

- To conduct research into new systems and products related to design, fabrication, construction, and use;
- To conduct research into emerging next-generation consumer design, configuration, and visualization tools;
- To actively engage industry in projects that create both market-ready products and prototypes of future products that would increase the efficiency, quality, and cost-effectiveness of housing;
- To deploy new networks, sensors, and applications related to home-based health, energy management, as they become available for implementation;
- To evaluate proposal and product viability with respect to business models, build-ability, marketability, cost-effectiveness, performance, etc;
- To define design and performance standards for building systems related to thermal efficiency, hurricane resistance, mold prevention, life span of systems, maintenance, air quality, noise, dimensional constraints, comfort, etc;
- To make the public aware of new ways of creating places of living through such media as publications, television, and exhibitions;
- To develop intellectual property of value to industry;
- To organize symposia tied to the 18-month prototype schedule, and to host special topic workshops;
- To secure funding for this effort from corporate sponsors and governmental agencies.