Transforming New Product Development with Open Hardware

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Open Source Hardware (OSHW) is a term for tangible artifacts whose design has been released to the public in such a way that anyone can make, modify, distribute, and use those things.

— oshwa.org

*Other names and brands may be claimed as the property of others.
Minnowboard Turbot

Beaglebone

Olimex

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How can this help?
Think Like a Maker

- Hack your proof of concept
- Open Source Hardware is free(dom)
- Always be creating (ABC)
OSHW in Research

• Instructions on how to take advantage of digital design sharing
• Explanations of Arduinos and RepRaps for scientific use
DREMELFUGE

Designed and open-sourced by Cathal Garvey, http://www.thingiverse.com/thing:1483
Always be building

- OSHW History
- Design Process
- Derivatives
- 3D Printing
- Production & Manufacturing
Hack Your POC

- Build first, ask questions later
- Prototype early and often
- Use patents specs and drawings (not claims)
- Purchase off the shelf if needed (eBay, Alibaba)
Share the knowledge

w/ multitouch

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Don't reinvent the wheel

*w/ Android

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Learn from other's success
IT’S DANGEROUS TO GO ALONE! TAKE THIS.
Traps & Pitfalls

- Confusing the customer
- Loosing sight of the target
- Always "take 5" and talk to legal

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ALWAYS THINK OPEN

- Think like a maker
- Be part of a community
- Hack first, gather data later
Questions
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