



# **HYPER TECHNOLOGY AND NEW MANUFACTURING**



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# MANIFESTO

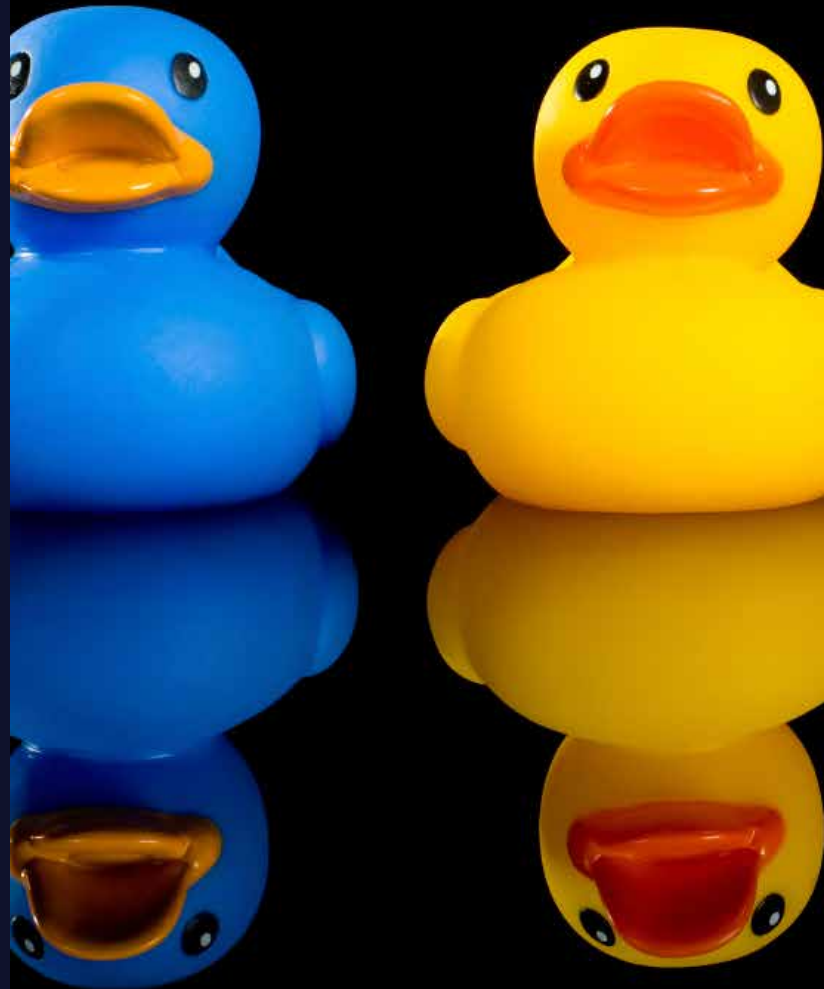
1. Everything surrounding people has to fit them.
2. There's one common, open and direct language, by means of technology.
3. Distances do not exist. Ubiquity shortens them all.
4. Maximizing time means collecting experiences and producing more and more efficiently.
5. Keep everything under control.
6. Support your curiosities, and always be updated.
7. Trust the Nature. Take it as a model, improve and replace it.
8. Embrace technology as an integrated part of humans' body.
9. Explore the intersection of digital and physical world.
10. Get rid of mechanical tasks. Save energy and leave them to robots.

# Adaptability and personalization

Keywords:

**BELONGING  
CHOICE  
PARTECIPATION  
SATISFACTION**

Between billions of people, each of them feel different from the others and need to show its personality, to feel unique and to receive customized treatment tailored on them.





AiQ Smart Clothing Inc. is where electronics merge with textiles to create fashionable, functional, comfortable solutions to meet your everyday needs; whether it's in sports & fitness, outdoor & leisure, home & leisure, home care & health care. We have the drive and capability to make Smart Clothing concepts into reality.

1. Product
2. Application
3. Characteristics





# City farm



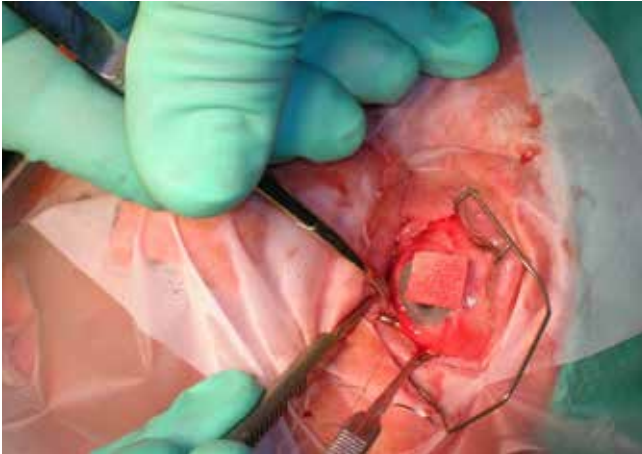
At the MIT Media Lab Open Agriculture Initiative the mission is to bring out the farmer in everyone by creating healthier, more engaging, and more inventive food systems. By making the science behind modern agriculture more accessible, we hope to break down the barrier of entry and put the power of food production back in the hands of the people.



1. Upper view
2. Detail



# Eye color surgery



For the majority of the world's population –an estimated 80% – those elusive movie star eyes can usually only be obtained with the aid of colored contact lenses. But today there's a medical procedure that can permanently turn your brown eyes blue. Pioneered by Stroma Medical, the laser procedure works by eliminating the brown melanin that's present in the anterior layers of the iris.



1. Technology
2. Changing
3. Different eyes

# Accessibility and hyper connectivity

Keywords:

**FLOW**  
**LINK**  
**INFORMATION**  
**CONTROL**

A lot of things regarding us are happening in a short time; we want to be in contact instantaneously with them, in order to be always updated, informed and ready.



# August



Lock and unlock your door, create virtual keys for guests, and know who comes and goes, all from your smartphone.



1. 2. Application
3. Set of product

# Heat Genius



Heat Genius is a heating app which acts as a smart heating control system, helping you cut your household energy consumption and save money.



1. Application
2. Set of product

# A day made of glass

11



Corning's vision for the future use the glass as the material that will be used to access every solution for our needs.



1. 2. 3. Applications



# Superhuman

Keywords:

**NO LIMITS**  
**DEVELOP**  
**UPDATE**

Everything is possible. Using nature as a source of inspiration, we can smartly tear down the limits it built around us to achieve a superhuman power will lead us to the control of further development and the improvement of life quality.



# NE



Dr. Joseph Wang and his team at UC San Diego in California have developed a device that can monitor your workout progress and generate power from your perspiration, by measuring a chemical called lactate that is naturally present in sweat. The more intense the workout, the more lactate your body produces, to generate a small electrical current. Wang hopes the device can eventually power a smart watch or heart rate monitor.



1. 2. Application
3. Product



# Amazonrobotics

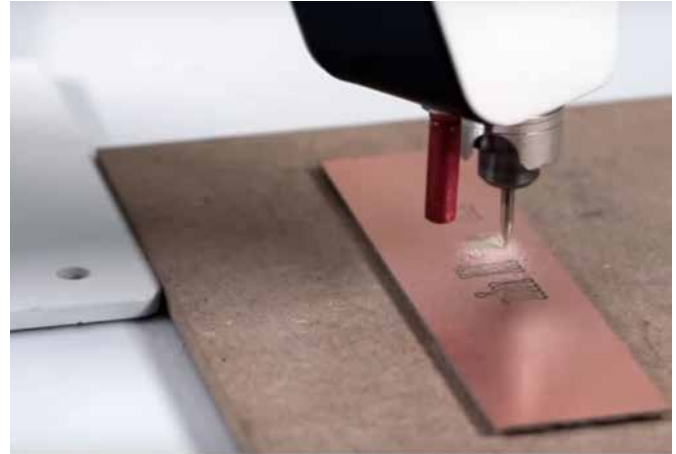


Heat Genius is a heating app which acts as a smart heating control system, helping you cut your household energy consumption and save money.



1. Application
2. Set of product

# Makerarm



A complete digital fabrication system packed into an affordable robotic arm that makes just about anything, anywhere.



1. Product
2. Application
3. Result

# Digitalization

Keywords:

**MERGING  
ONE REALITY  
COMPLEMENTATION**

There are no distinctions between tangible and intangible; the reality is made by both worlds that are going to live together. The digital will earn a concrete value by entering normally in daily habits.

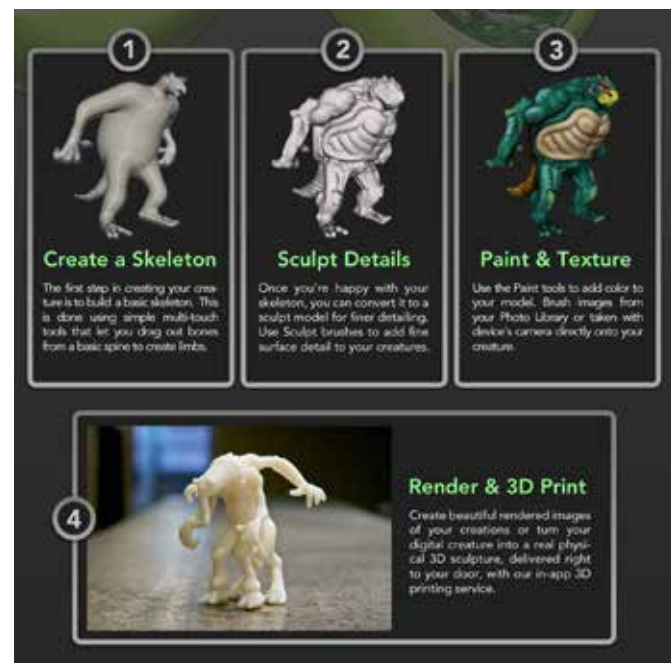


# 123D

17



Capture places, people and things in 3D using your Windows Phone or Mobile device, iPhone, iPad, Android device, or any camera. Share your catches, or 3D print a real object.



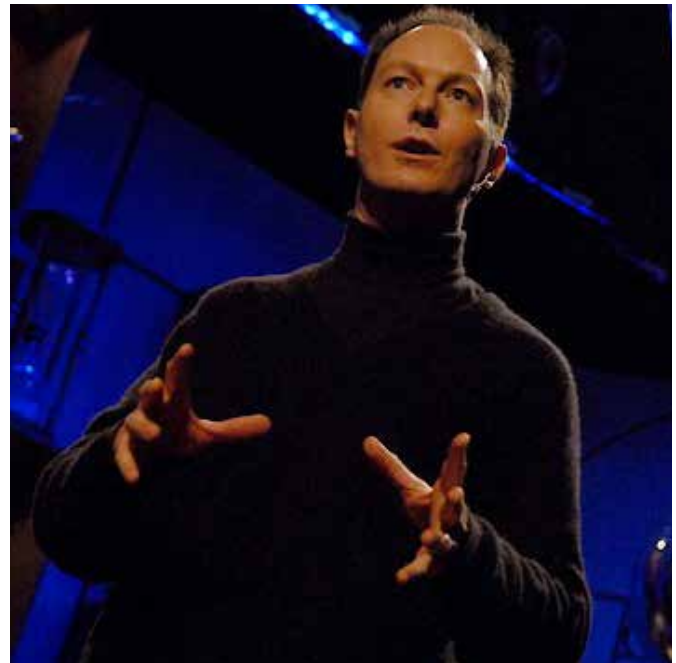
1. Example
2. Application



# A look inside the brain



Neuroscientist and inventor Christopher deCharms demonstrates a new way to use fMRI to show brain activity thoughts, emotions, pain while it is happening. In other words, you can actually see how you feel.



1. Detail
2. Christopher deCharms

# Hololens



Transform your world with holograms. Microsoft HoloLens brings high-definition holograms to life in your world. Microsoft HoloLens is the first fully untethered, holographic computer, enabling high-definition holograms to integrate with your world. Unlock all-new ways to connect, create, collaborate, and explore.



1. 2. Application
3. Product

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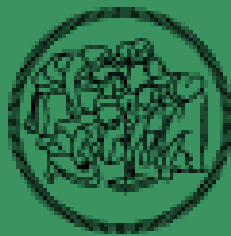
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"I guess you guys aren't ready  
for that yet. But your kids are  
gonna love it"



**POLITECNICO**  
MILANO 1863

**TEAM NUMBER 3**

## **Back to the future**

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