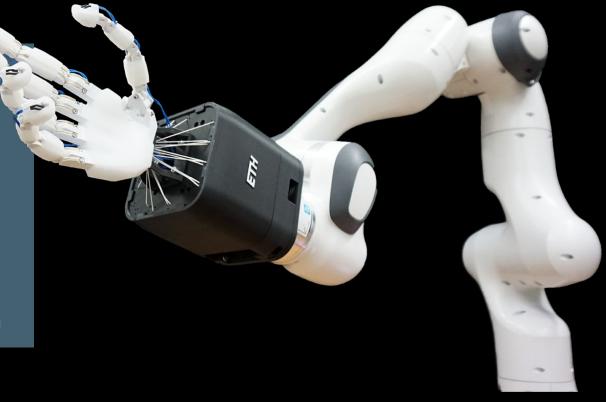




Product Development:
Bringing Your Prototype to
the Market

Prof. Dr. Robert Katzschmann, Soft Robotics Lab

Prof. Dr. Mirko Meboldt, Product Development Group Zurich

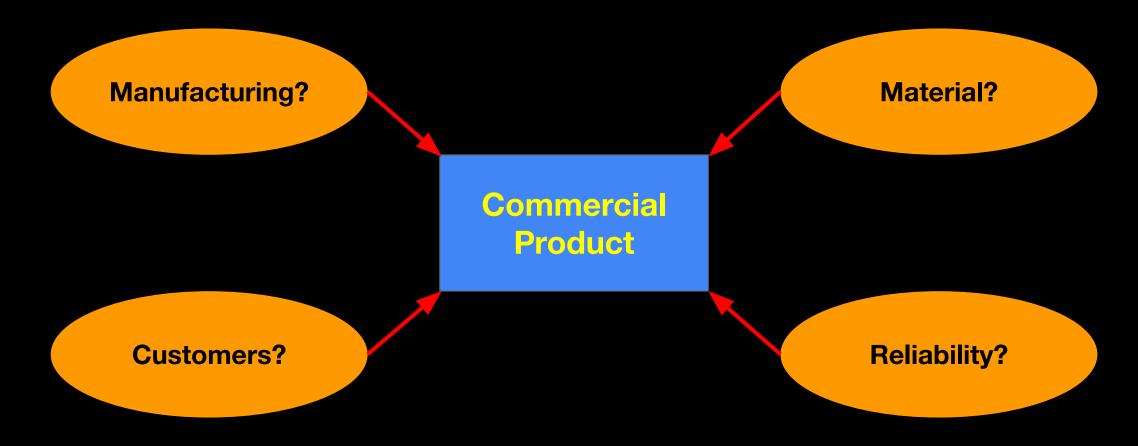


**Fiave Robotics** 



# Next Step

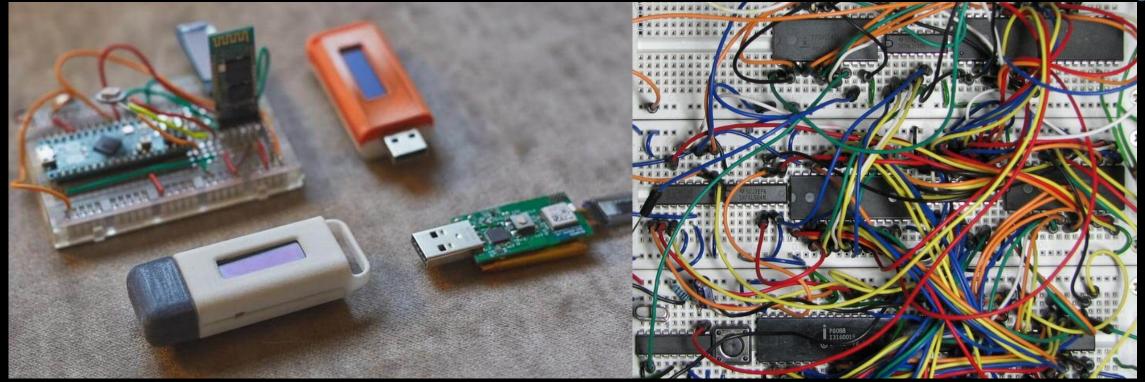








## Transitioning a Prototype to a Real-World Product



ideareality.design

pinterest.com

Reliably √

Quickly √



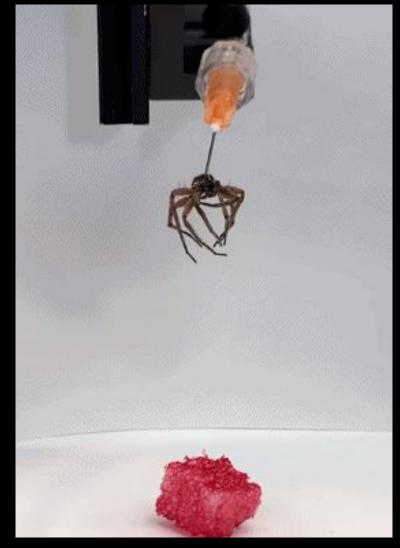


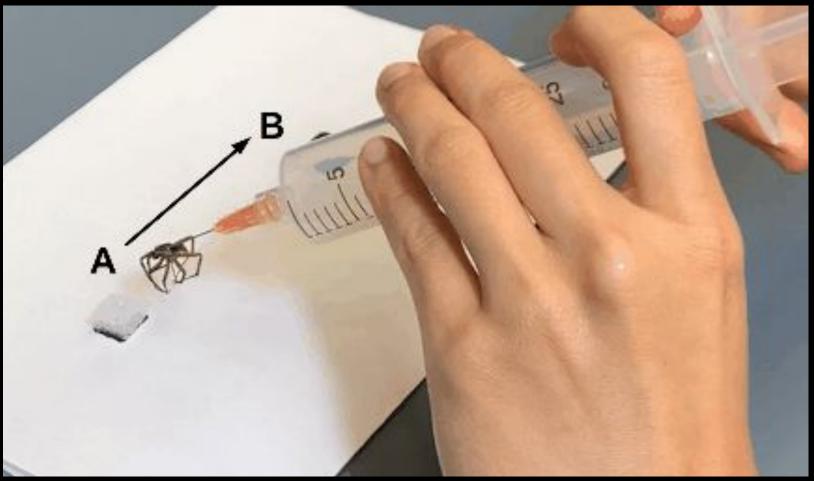




## Differences and Challenges Between Research and Product Development











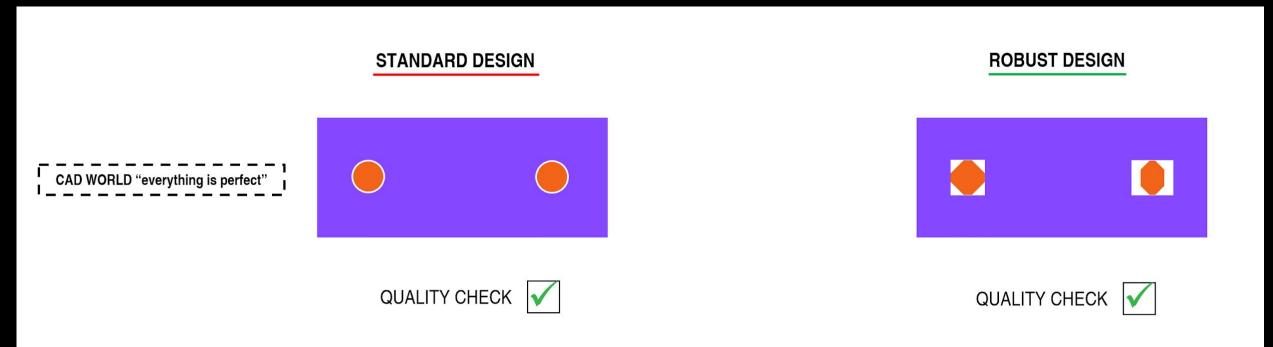
### Design for Robustness







Minimize the impact of variation in a product <





#### Examples of Swiss Robotics Startups - KIVA Systems



- Startup KIVA Systems, nowadays Amazon Robotics (acquired in 2012, name change in 2015)
- Founded in 2003, in Massachusett, USA
- Prof. Raffaello D'Andrea is one of the founders





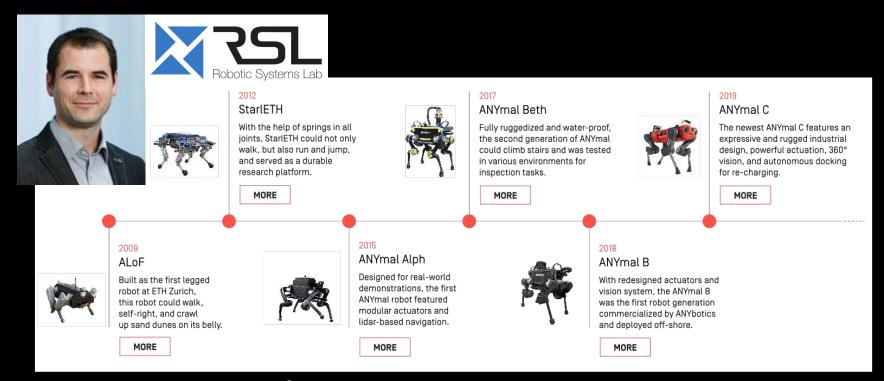




## Examples of Swiss Robotics Startups - ANYbotics



- ETH spin off
- Professor Marco Hutter's lab (RSL)
- Founded in 2016
- Robots for industrial inspection







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#### StarlETH



With the help of springs in all joints, StarlETH could not only walk, but also run and jump, and served as a durable research platform.

MORE







Built as the first legged robot at ETH Zurich, this robot could walk, self-right, and crawl up sand dunes on its belly.

MORE



#### ANYmal Alph

Designed for real-world demonstrations, the fir ANYmal robot featured modular actuators and lidar-based navigation.

MORE







#### Examples of Swiss Robotics Startups - Scewo



- Bachelor's focus project back in 2014
- D-MAVT, ETHz and ZHdK
- Wheelchairs that climbs stairs

Two Videos:
Scewo BRO - Power
wheelchair. The new
generation. - YouTube

Scewo BRO | Remote Control - YouTube





