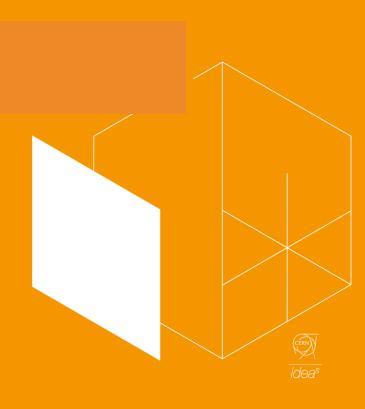


Introduction to prototyping

CERN IdeaSquare Dina Zimmermann





What is a prototype?

Some definitions

"A prototype is a primitive representation or version of a product that a design team typically creates during the design process"

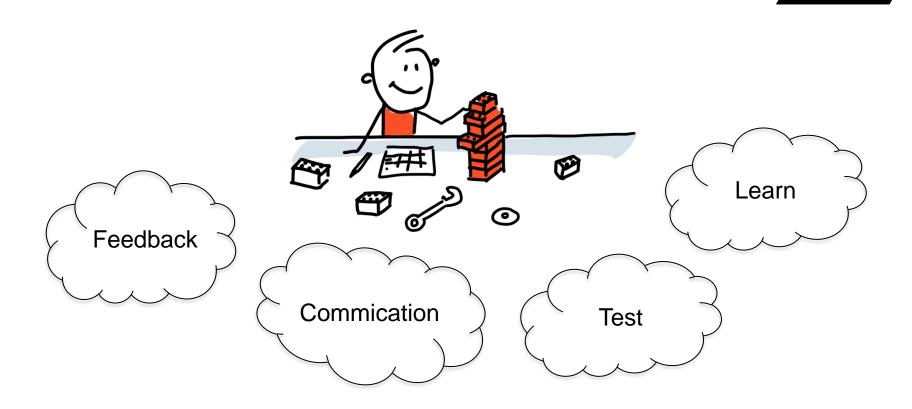
"Any representation of a design idea, regardless of the medium" (Houde and Hill, 1997)

"An approximation of the product along one or more dimensions of interest" (Ulrich & Eppinger, 2016)



What is the purpose of prototyping?

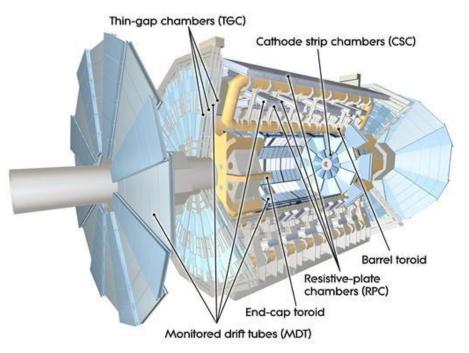
The purposes of prototyping





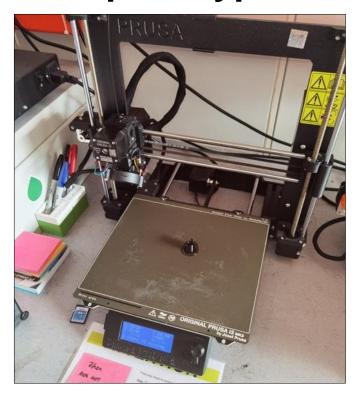
Different types of prototypes

ATLAS MDT detector disassembly

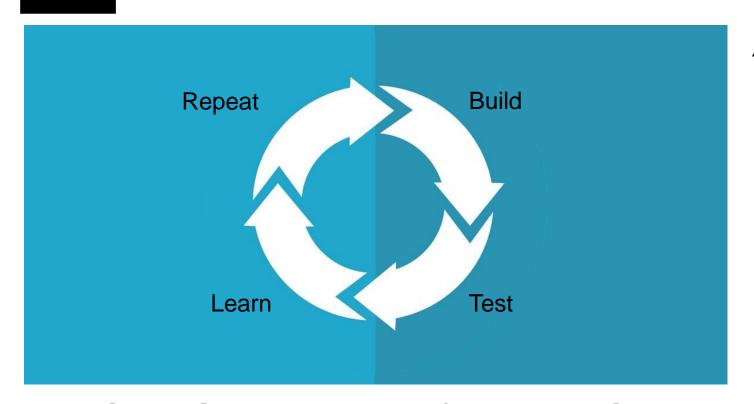




First prototype



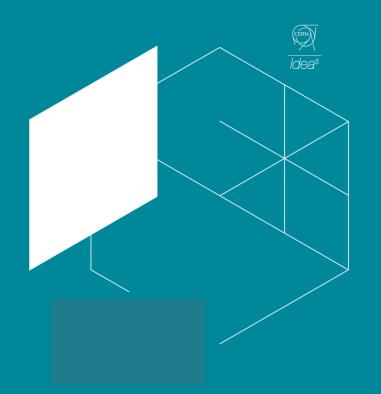




The iterative process of prototyping

Second prototype



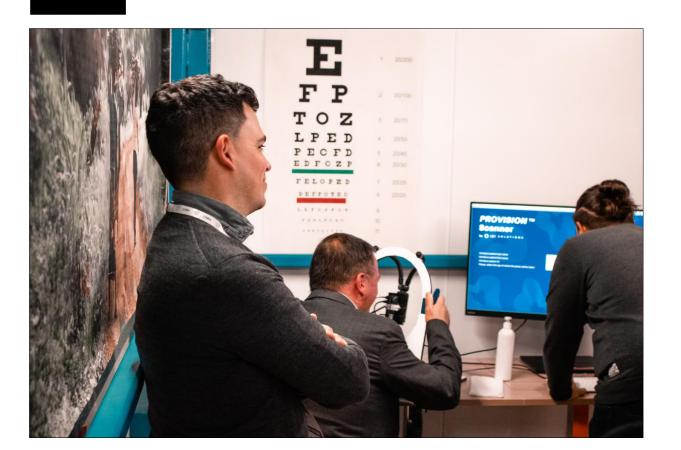


But...

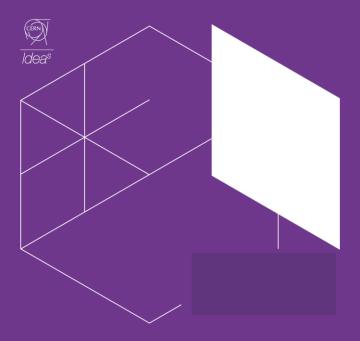
A prototype doesn't have to be a product prototype

Example: CBI FusionPoint Final Presentation

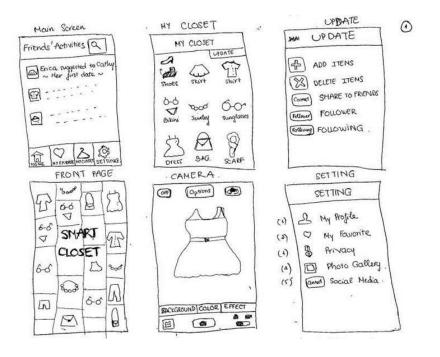








The fidelity of the prototype

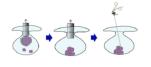


"Fidelity refers to how close a prototype is to the final product"

The fidelity of the prototype



Low fidelity High fidelity









Couceb_t

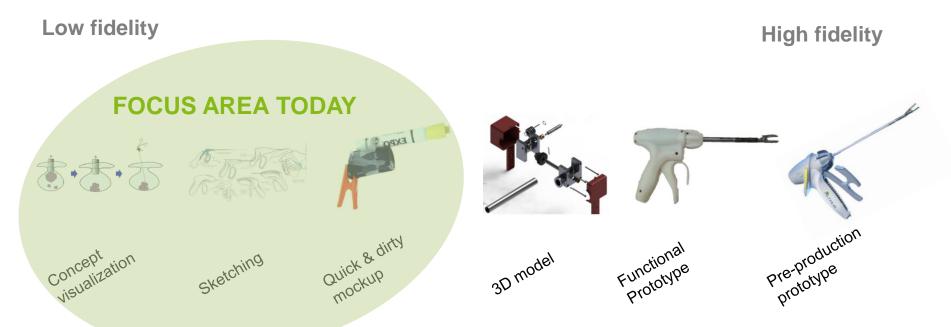
Sketching

wocknb Onick & qiup

3D model

inctional prototype prototype

The fidelity of the prototype



Thank you for your time!

