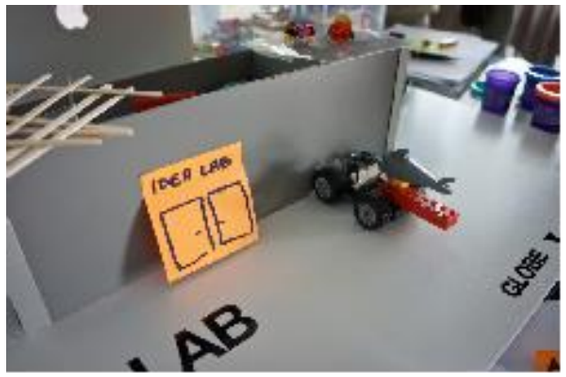


ideasquare

spatial design

H.Toivonen 9.12.2014

ideasquare in brief

“IdeaSquare@CERN is a pilot project that brings together physicists, engineers, industrial partners, early-stage researchers and cross-disciplinary teams of students to work together on detector upgrade R&D technologies. The purpose is to co-develop new technologies for research purposes, and at the same time, create a fruitful environment for socially and globally relevant new product ideas and innovation.”

ideasquare

space development

Phase 1

Phase 2

Phase 3

March 2013

July 2013

December 2014

January 2016

completed

in development

long term objectives

Phase 1

Idealab pilot (B16/153)
April 2013 - July 2014

Use a corner (120m^2) of an existing building / assembly hall B16/B153 to test

Phase 2

development of ideasquare

B3179

July 2013 - December 2014

LOXAM

THE Port
9
Barnes Hammersmith
Kensington
Piccadilly Circus
Charing Cross Bank
ALDWYCH
140
JJD
520D
USED TICKETS
YEARS/ANS CERN
1954 2014

Phase 3

Observing, measuring use of ideasquare to improve

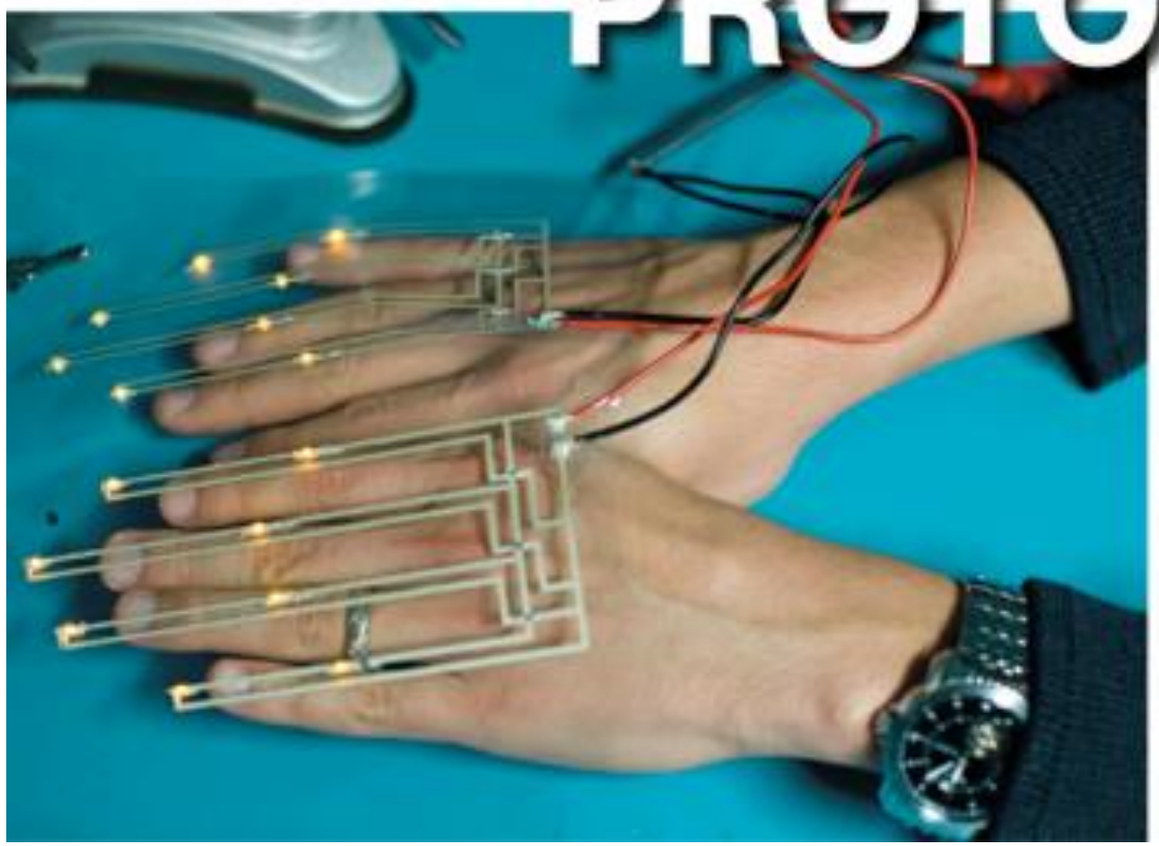
December 2014 - December 2015

9
Barnes Hammersmith
Kensington
Piccadilly Circus
JJD
520D

Why is spatial development important?

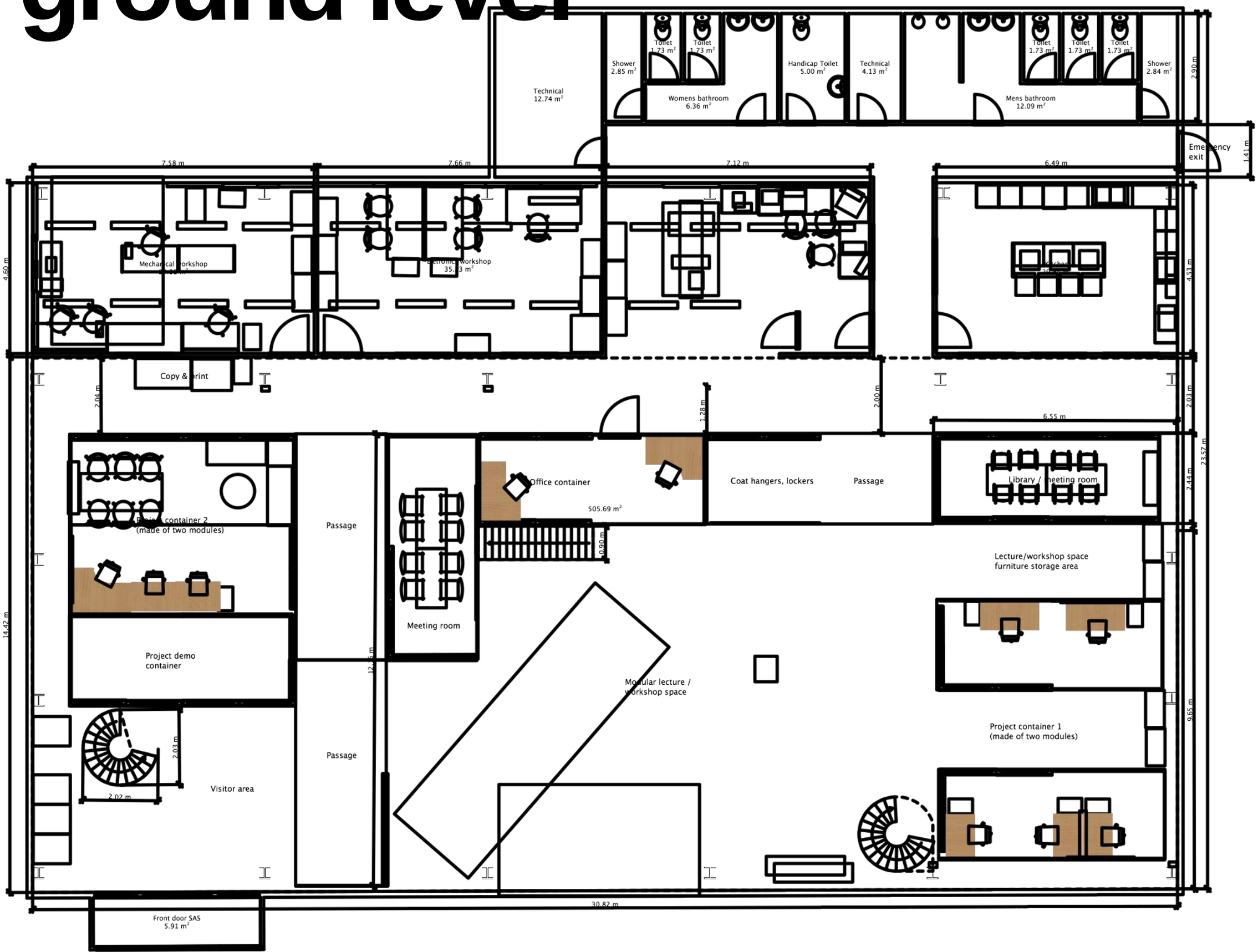
- Development work (at ERI´s, CERN, universities, companies..) is shifting from traditional researcher-developer-manufacturer relationships to collaboration to co-creation
- In order to make order-of-magnitude leaps in technology and its applications, we need to try and find new and improved ways of working
    - with people, processes, spaces, funding..
- Ideas need an experimentation place (physical/mental) to be developed further
- Hypothesis: Value on ideas from basic research is easier to build upon when they are realized in tangible format (prototypes)

PROTOTYPING

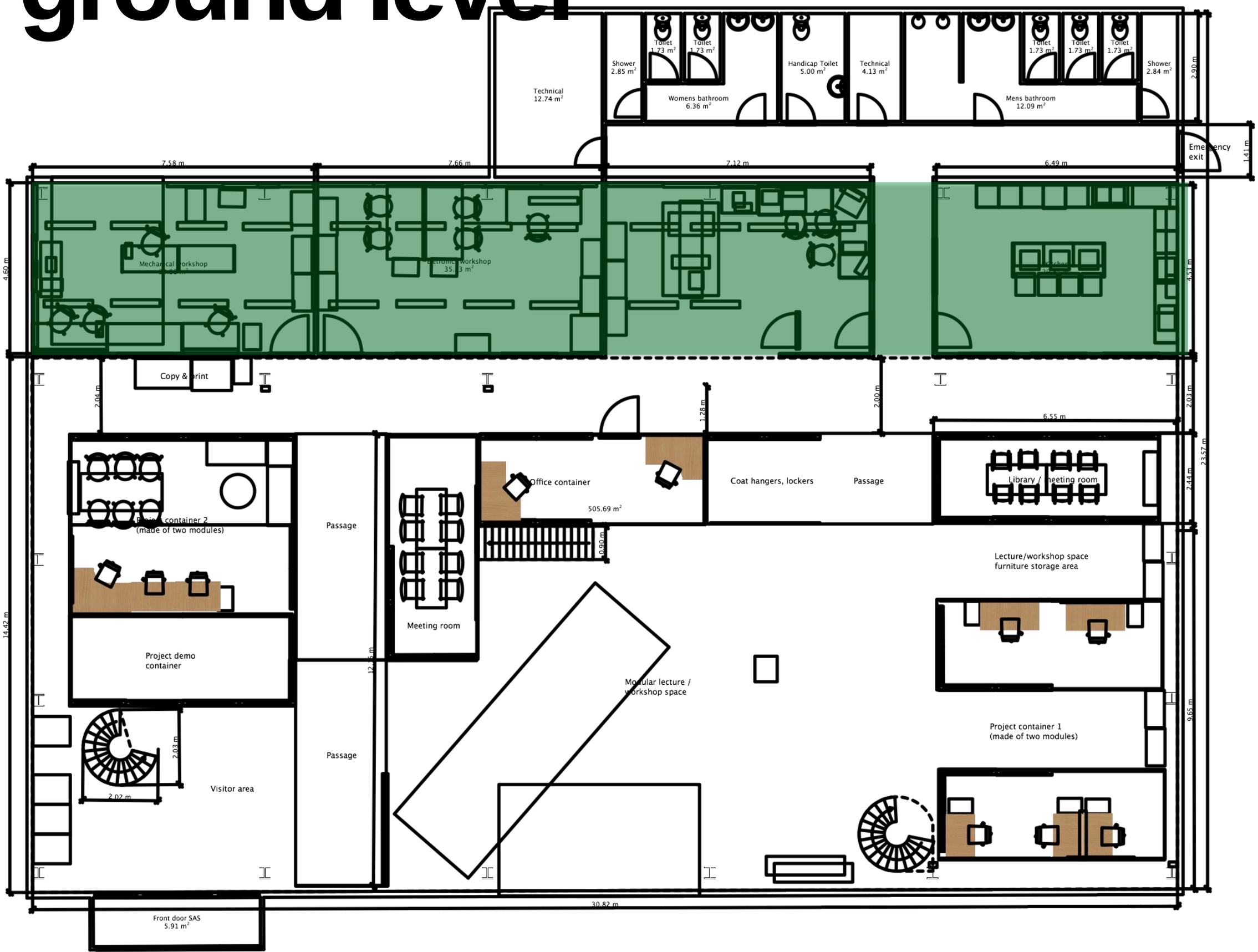


USER TESTING

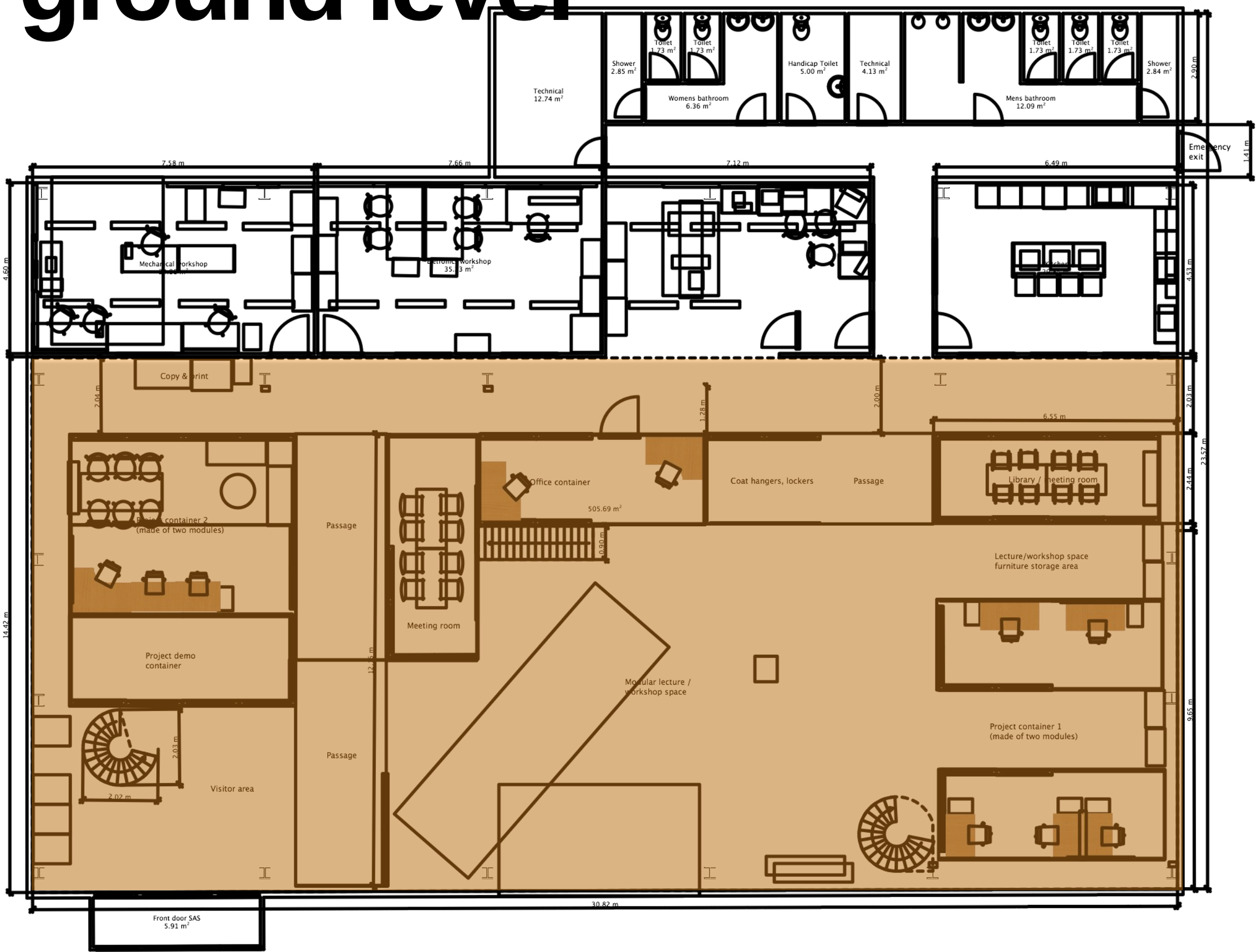
ground level



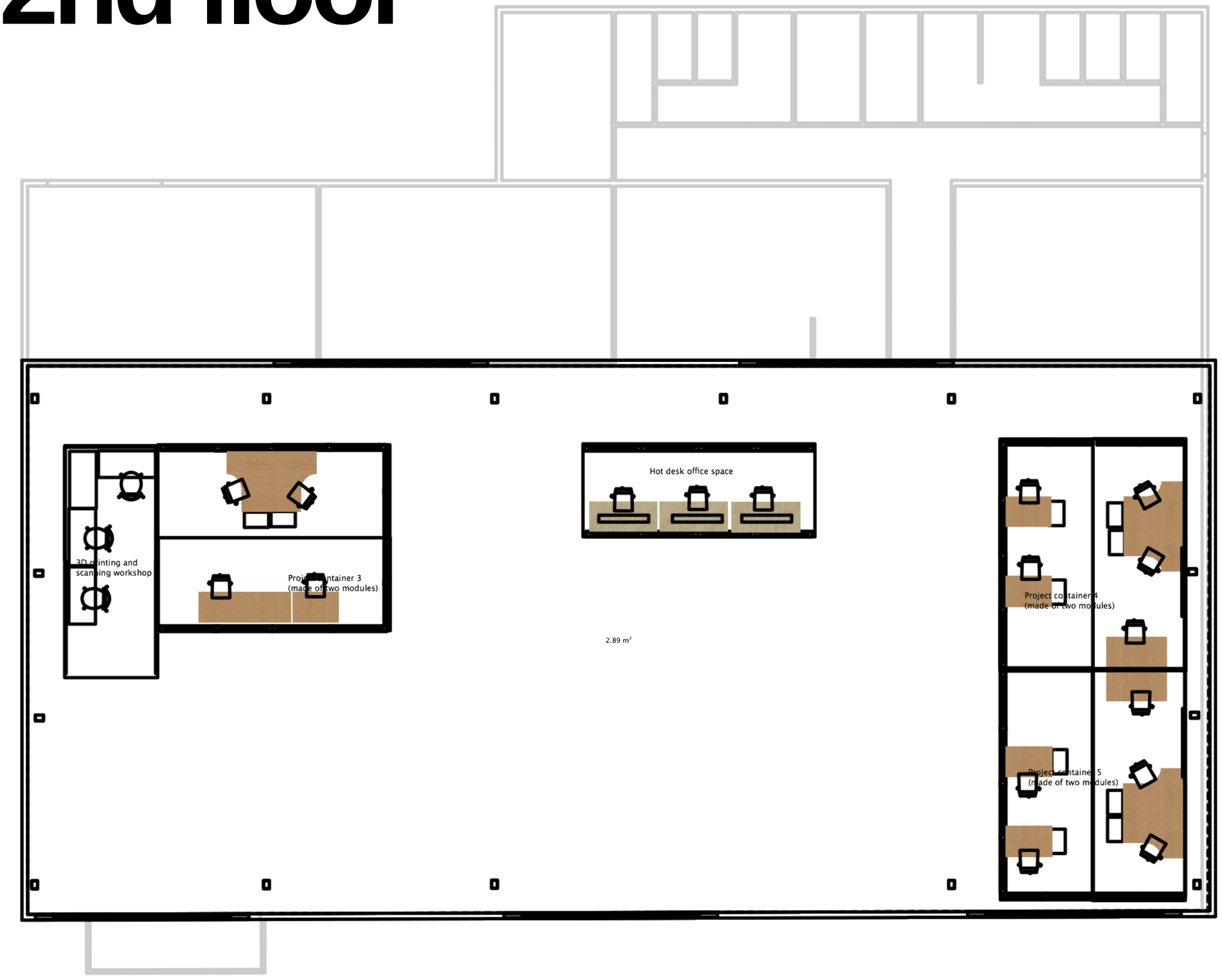
ground level



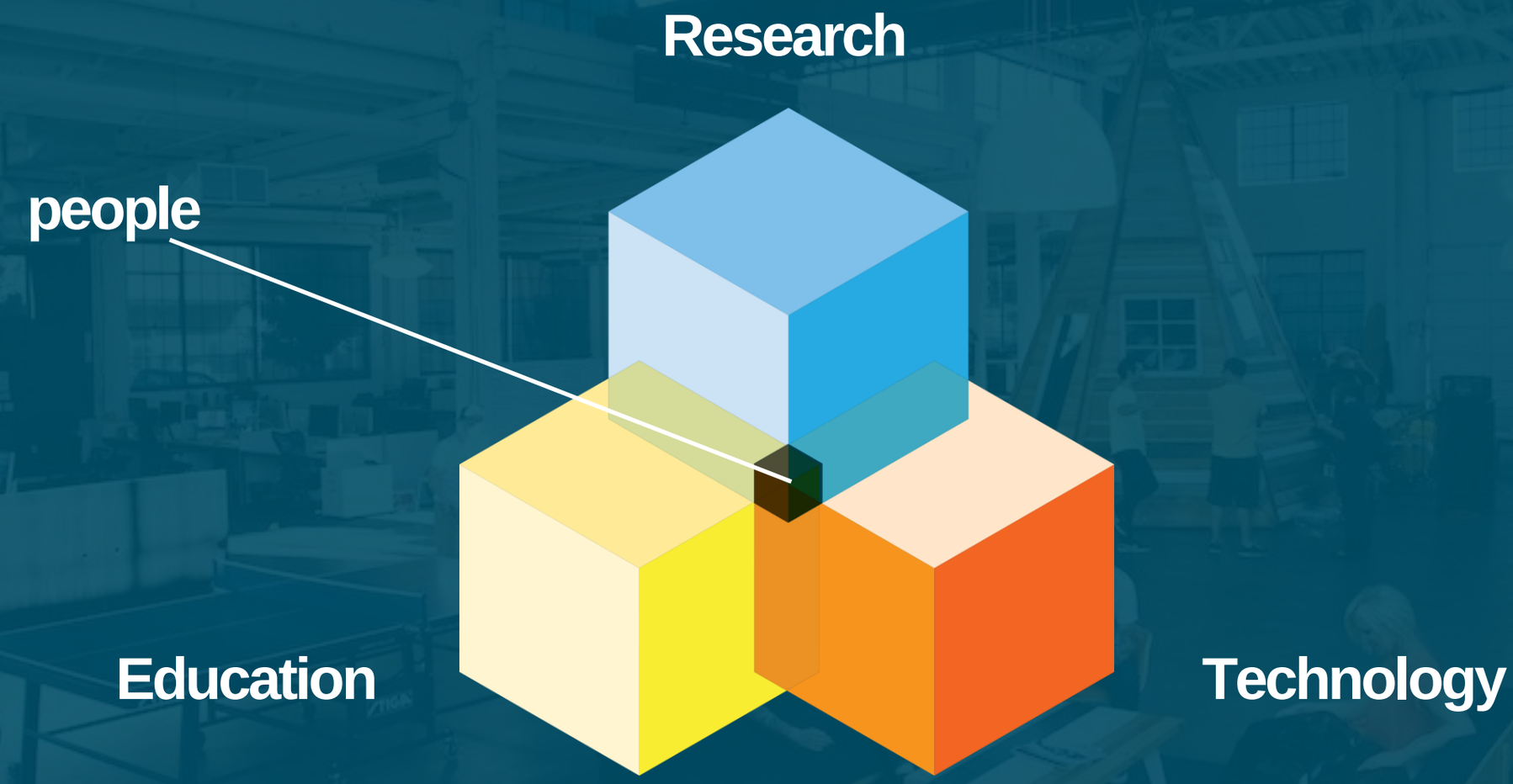
ground level



2nd floor


3D printing and
scanning workshop
Project container 3
(made of two modules)
Hot desk office space
2.89 m²
Project container 4
(made of two modules)
Project container 5
(made of two modules)

ideasquare in brief



A!
Aalto University
Design Factory

GLOBAL DESIGN FACTORY NETWORK

Tough questions? Ideas?

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