Future
Urban Legacy
Lab

Kick-off meeting
Manufacturing 4.0
Unito / Polito
Camera di Commercio
Unione Industriale
Equiter
Compagnia di San Paolo
Fondazione Crt
EU / USA transatlantic perspectives
Carnegie Mellon University
Lawrence Technological University
NY Vertical Urban Factory
Turin Case study
Water city
ESSACA - Douala
Construction Analysis
Construction History
Università Bocconi - MAMA
Large Scale Geomatics
Geophysics for archeology
Call for research
Progetto Charme
Roma Sapienza
Unisalento
Reuse & Remediate
DIATI - DAD
2016 - 2017
Cittadella di Alessandria
MiBACT
Compagnia di San Paolo
November 2017
2016 - 2017
Retail & the city
Città di Torino
Auchan
Heritech
Tim Proof of Concept 5G
Tim
Solari di Udine
ToolBox
ACTAR
Spring 2017
AI & the City
NEXA
NEXA
Housing New Italy
Sidief - Banca d'Italia
FULL
DET
DAD
DAUIN
DIATI
DIST
DIGEP
DENERG

Story #1

Re-production

Manufacturing is coming back to the city, in new forms

LINGOTTO, TORINO
1923

LINGOTTO, TORINO
1923

MIRAFIORI, TORINO
1947

MIRAFIORI, TORINO
1947

TESLA FACTORY, FREMONT
2015

TECHSHOP, SAN FRANCISCO
2015

INDUSTRIA 2.0 e 3.0

INDUSTRIA 4.0

ARTIGIANATO 4.0

ARTIGIANATO 4.0 + MIX

COSA SAPPIAMO DELLA MANIFATTURA 4.0?

modulo base $1m^3$

COSA SAPPIAMO DELLA MANIFATTURA 4.0?

prima pilot line

COSA SAPPIAMO DELLA MANIFATTURA 4.0?

COSA SAPPIAMO DELLA MANIFATTURA 4.0?

COSA SAPPIAMO DELLA MANIFATTURA 4.0?

IPOTESI: LA PRODUZIONE TORNA IN CITTA'?

incorporazione di conoscenza nella produzione

conoscenza come fattore di agglomerazione?

minore importanza della componente materiale, logistica più efficiente

importanza crescente del rapporto con il cliente

vicinanza all'utente finale come fattore di localizzazione?

= ritorno della produzione in città?

ALCUNI ESEMPI

Carnegie Robotics

Robotics innovation and production facility

Pittsburgh
2014

New Lab

Green Manufacturing Center

New York
2016

RDM MakerSpace

MakerSpace

Rotterdam
2006

Station F

StartUp Camp

Paris
2017

CARNEGIE ROBOTICS

Pittsburgh
2014

CARNEGIE
ROBOTICS
1 Km

CARNEGIE ROBOTICS
William Penn Highway 4km
RE2 Robotics
National Robotics Engineering Center
40th st. Bridge
Strip District
Pittsburgh rail Station 6km

CARNEGIE ROBOTICS

Pittsburgh, 2014

45,000 sf
4200 mq

Carnegie Robotics, 4200 mq

100%

Office

30%

Sharing space

30%

Production

40%

NEW LAB

New York, 2016

Crediti foto: Spencer Lowell
Fonte Sito New Lab https://newlab.com/

NEW LAB

Crediti foto: Spencer Lowell
Fonte Sito New Lab https://newlab.com/

NEW LAB
2 Km

NEW LAB
Ferry stop
Steiner Studios
Brooklyn Navy Yard
Dock 72
Building 77
Building 92
Wegmans
JFK airport
24km
Metro lines
Brooklyn Queens
expressway

NEW LAB

84.000 sf
7800 mq

New Lab 7800 mq

100%

Production

Production

40%

Office

Office

15%

5%

Layout

Service

40%

Connective

NEW LAB

PRODUCTION
40%

Plan

Lab

Section

NEW LAB

OFFICE
15%

Plan

1A
2A

1B
2B

1

2

Section

NEW LAB

CONNECTIVE
40%

Plan

Layout

Section

RDM

Rotterdam, 2006

Crediti foto: in alto Jerry Lampen, in basso Enrico Salvadori

RDM

Crediti foto: Alessio Guarino

RDM

Crediti foto: Alessio Guarino

RDM
2 Km

RDM
Kunsteiland
United Terminals
Bus
Water bus
MRS Depot
A15 highway
RTM airport
22km
AMS airport
68km

RDM

33635 m2
Innovation Docks
Submarine Wharf
Congress Center

RDM 33635 m2
Innovation Docks
Submarine Wharf
Congress Center

100%

Production

30%

Education

30%

Office

3%

Service

27%

Connective

10%

Education

Production

Service

RDM

EDUCATIONAL
30%

Plan

Educational Lab

Section

RDM

PRODUCTION
30%

Plan

Section

RDM

SERVICE
27%

Plan

Section

STATION F

Parigi, 2017

Crediti foto: In alto Patrick Tourneboeuf - Tendance Floue; In basso STATION F
Fonte sito: stationf.co

STATION F

Crediti foto: In alto Station F / Patrick Tourneboeuf; In basso Station F / Patrick Tourneboeuf;

STATION F
2 Km

STATION F
CDG airport
27km
bvd. Périphérique
Université
Diderot
Cinemathèque
Bibliothèque
Nationale
Metro
Bibliothèque
Bus stop
Les Docks
Metro
Chevaleret
Metro
Nationale
Gare d'Austerlitz

STATION F

310 m long
58 m wide
34.000 mq

Station F 34000 mq

100%

Office

53%

Service

7%

Connective

40%

STATION F

SHARED ZONE
11.335 mq

Plan

Section

STATION F

CREATE ZONE
18.894 mq

Plan

MINI WORK SPACE

Unit: 12 mq
31 m3

Section

STATION F

CHILL ZONE
3.771 mq

Plan

Section

MIXED USE DEVELOPMENT

Sviluppo di un lotto ad uso misto in Dalston, London.
Crediti foto: Nina Rappaport-Vertical Urban Factory

PRODUCTION NETWORK

Interdipendenza di differenti produzioni industriali in un sistema urbano integrato
Crediti foto: Nina Rappaport-Vertical Urban Factory

POLITICHE e PIANI PER URBAN PRODUCTION

Studio sullo sviluppo industriale per la città di Bruxelles. Crediti: Architecture Workroom Bruxelles

Future
Urban Legacy
Lab