



# POMELO HUB

a collaborative open source network



**PRESENTED BY**  
Maria Seva

MDDI · IAAC · 2023

28th June 2023

How to make the

# metallurgic industry

more distributed and open  
source?

N1

N2

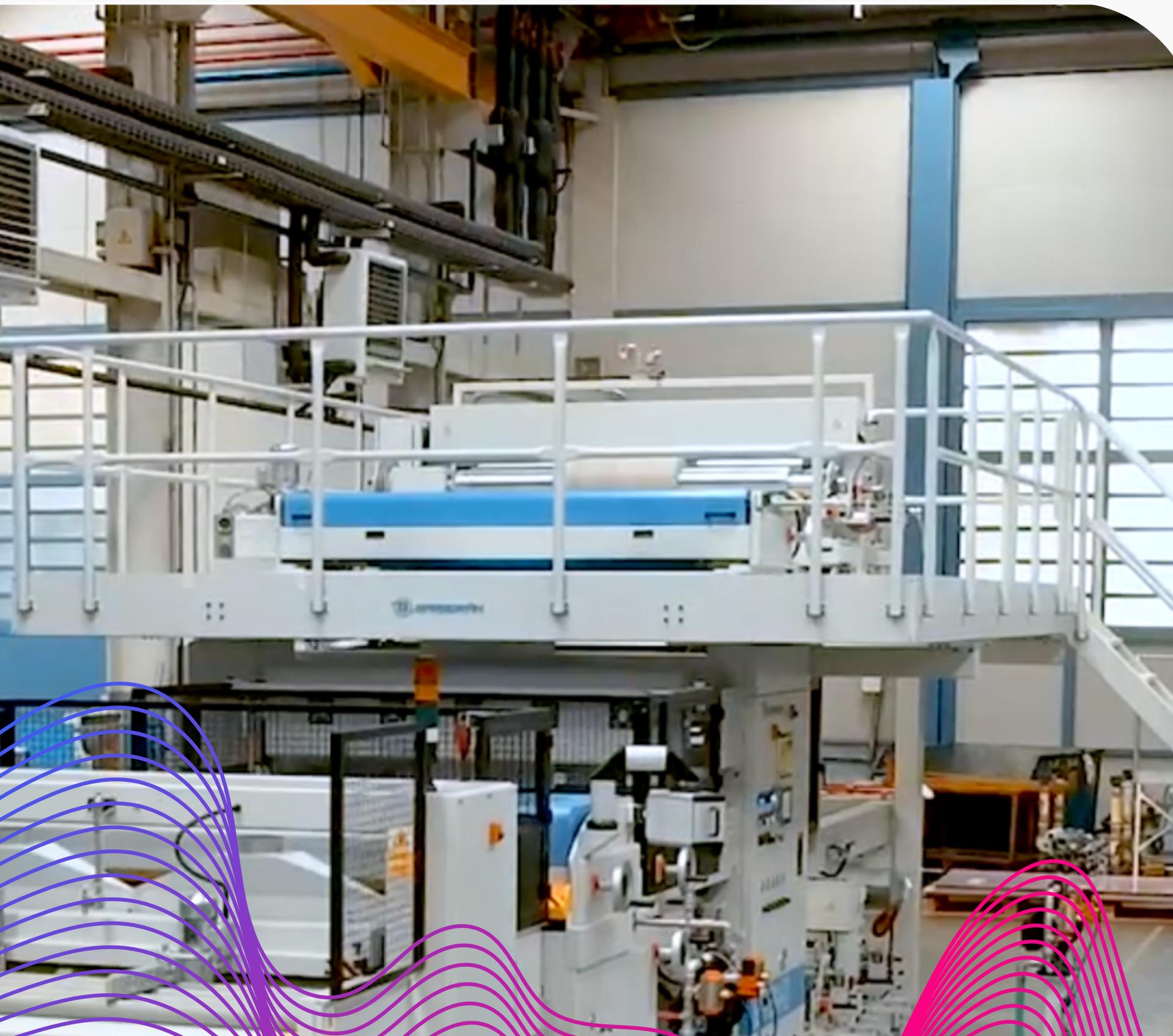
## OBJECTIVE # 1

Collaborative open source  
network

## OBJECTIVE # 2

Rental/exchange platform

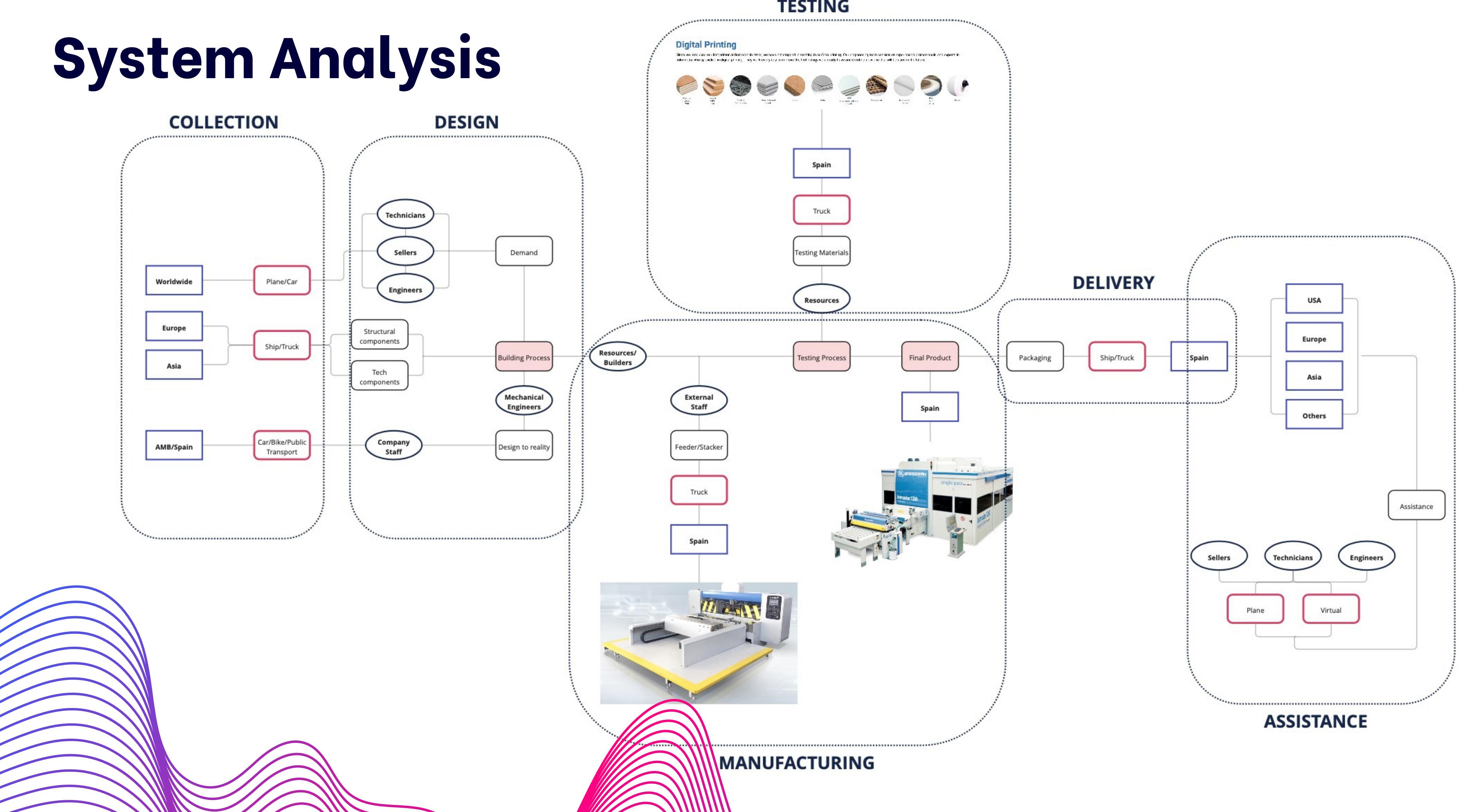




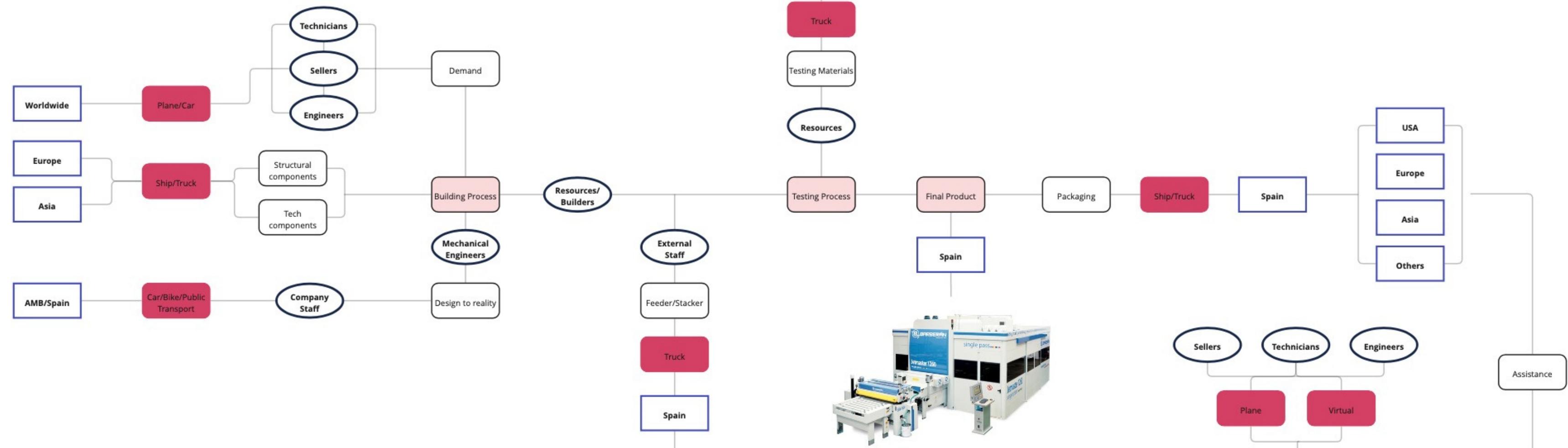
# Case study Barberan S.A.

- Designs & manufactures machinery for surface finishing: laminating, wrapping, lacquering and digital printing.
- Ships to over 60 countries within 5 continents.

# System Analysis



# System Analysis



# PomeloHub Network

- Introductory video to open source collaborative platform





# PomeloHub Network

## Purpose # 1

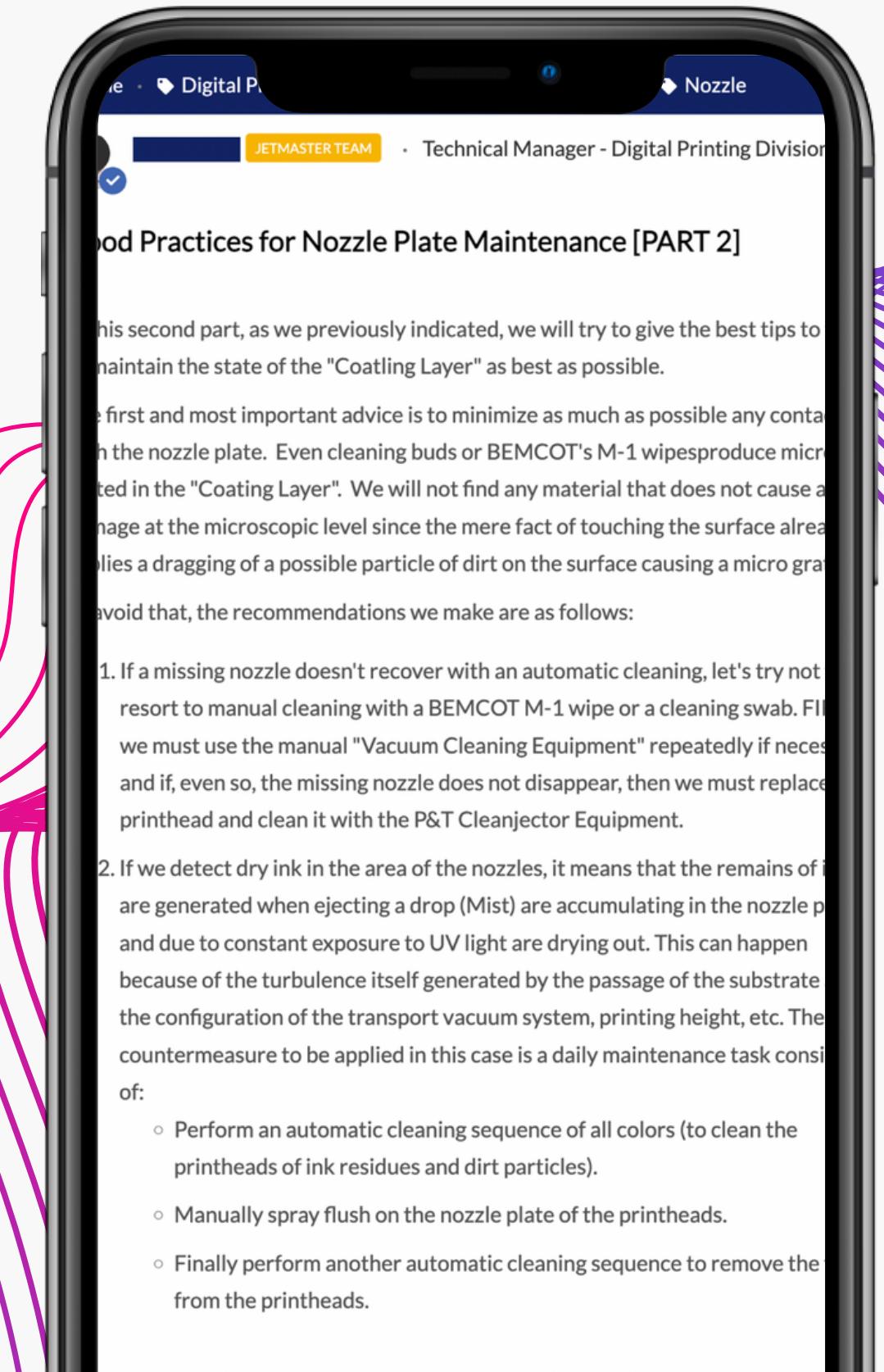
Sharing experiences and accomplishments.

## Purpose # 2

Follow groups and receive related updates and information on sustainability and efficiency.

## Purpose # 3

Interact with anyone to build a regional and worldwide community.



# PomeloHub Rental

## Purpose # 1

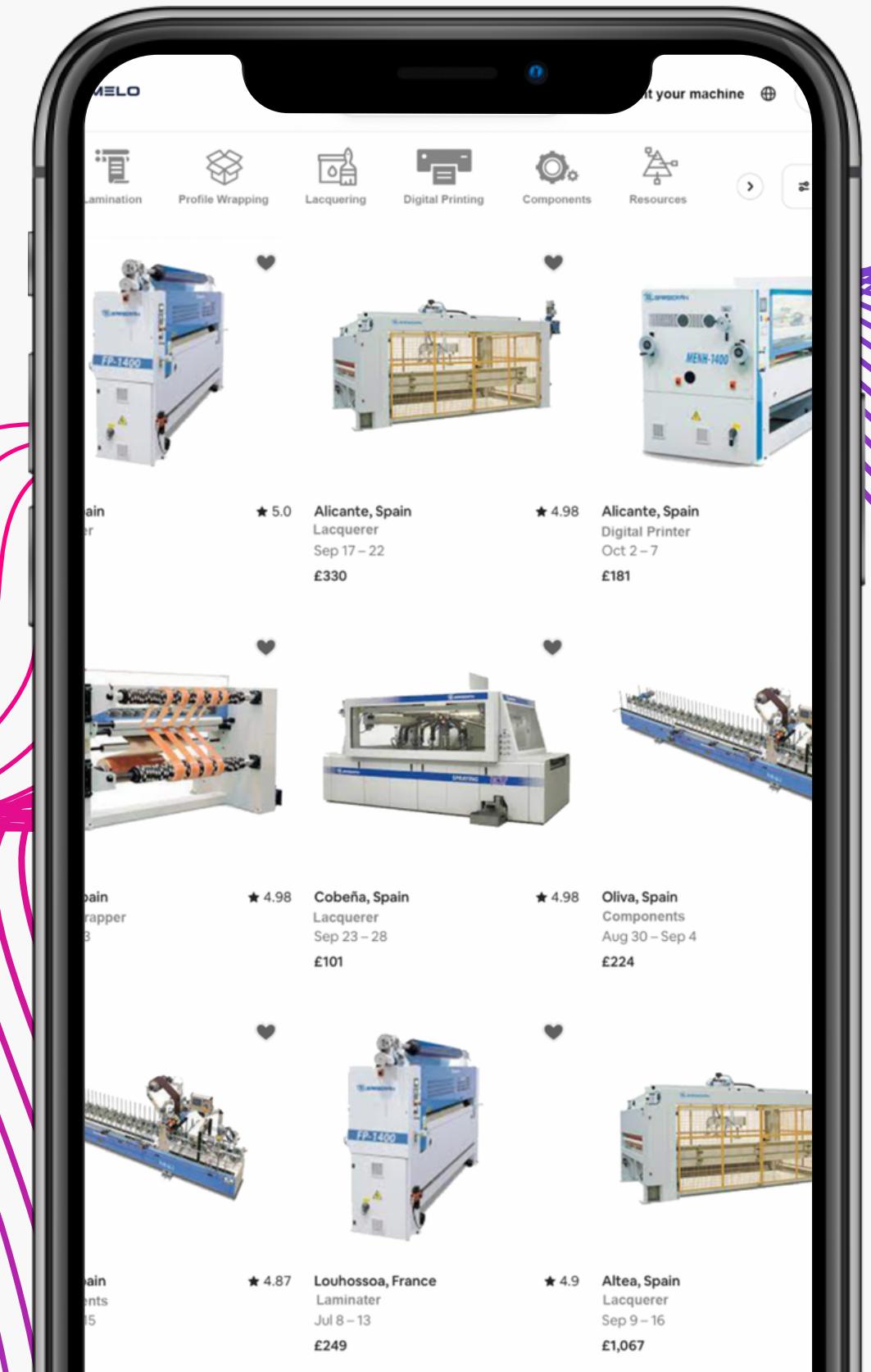
Create a regional distributed system where companies interact by proximity reducing transportation.

## Purpose # 2

Exchange and rental of components within region to ensure distribution and circular economy.

## Purpose # 3

Promoting industry 4.0 ideologies within regional clusters.



# Social, Economi cal & Environ mental Impact



Reduced CO<sub>2</sub> emissions



Industry 4.0 mindset



Decrease in  
manufacturing



Cyclical vs hierarchical  
mindset



Regional community



Circular economy model



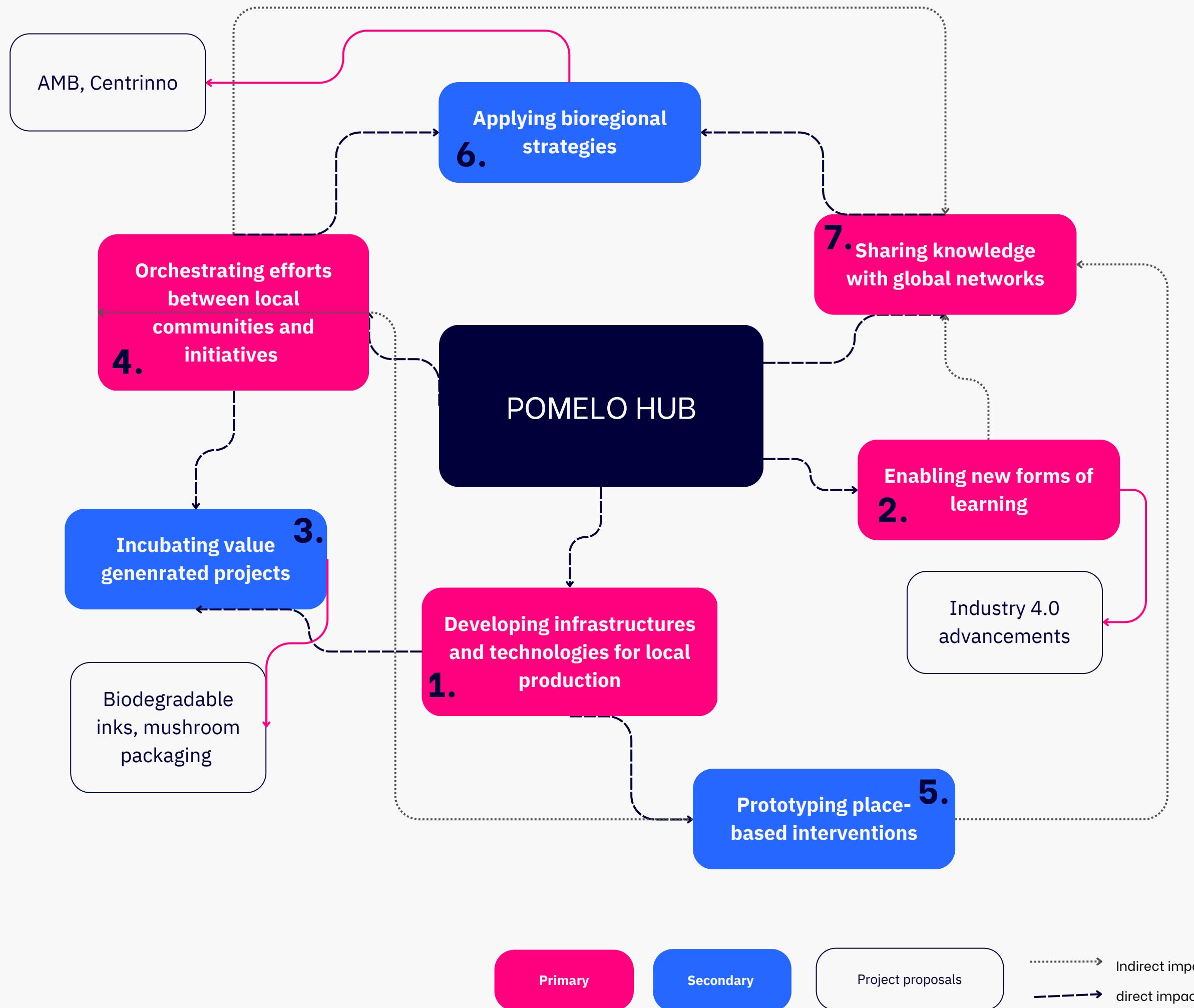
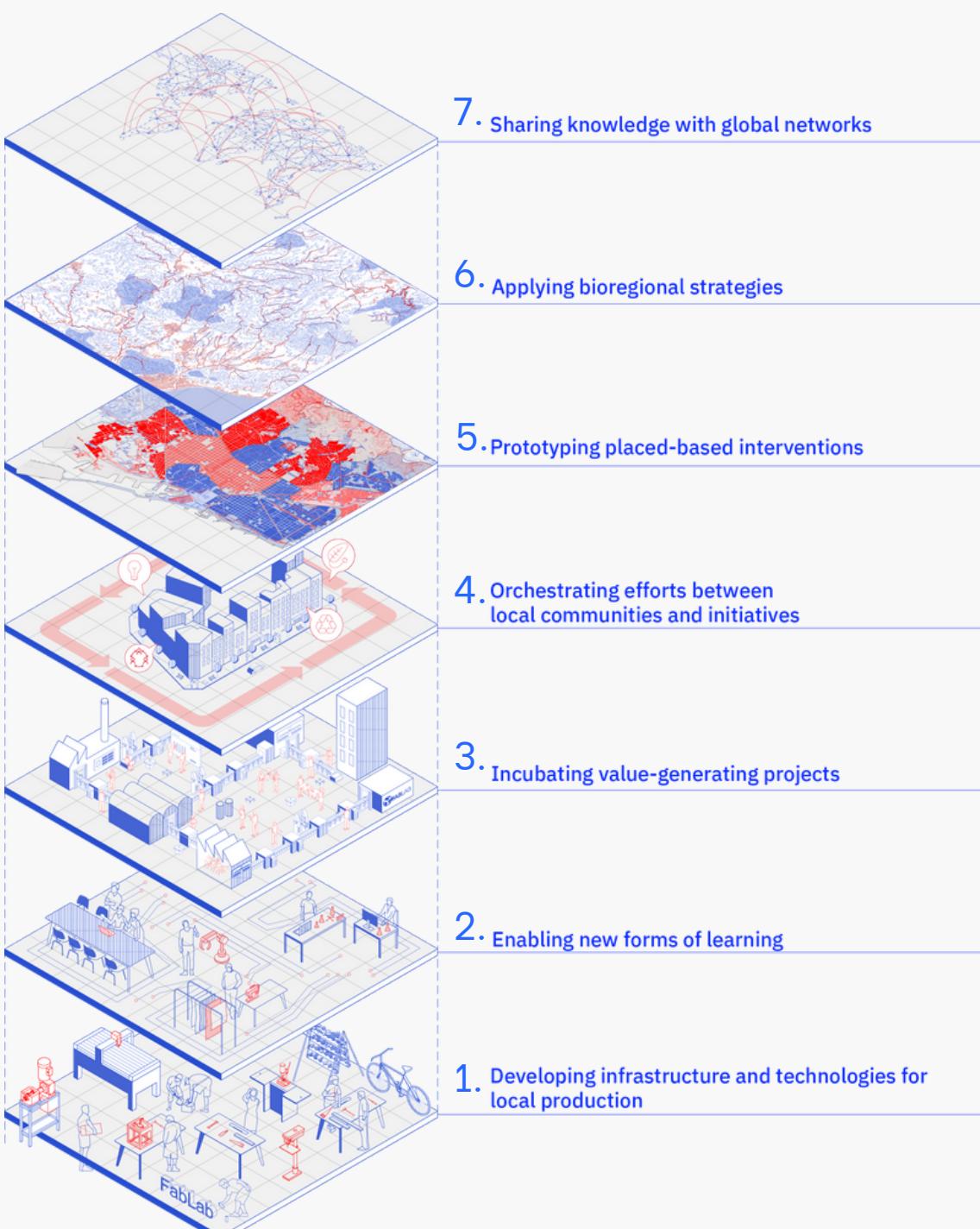
Reduced use of natural  
resources



Reduced waste



# FabLab Full Stack



# Envisioned Timeline

The distribution of PomeloHub from a regional to worldwide scale in 2024.

2024

2029

2034



# Envisioned Timeline

The distribution of PomeloHub from a regional to worldwide scale in 2029.

2024

2029

2034



# Envisioned Timeline

The distribution of PomeloHub from a regional to worldwide scale in 2034.

2024

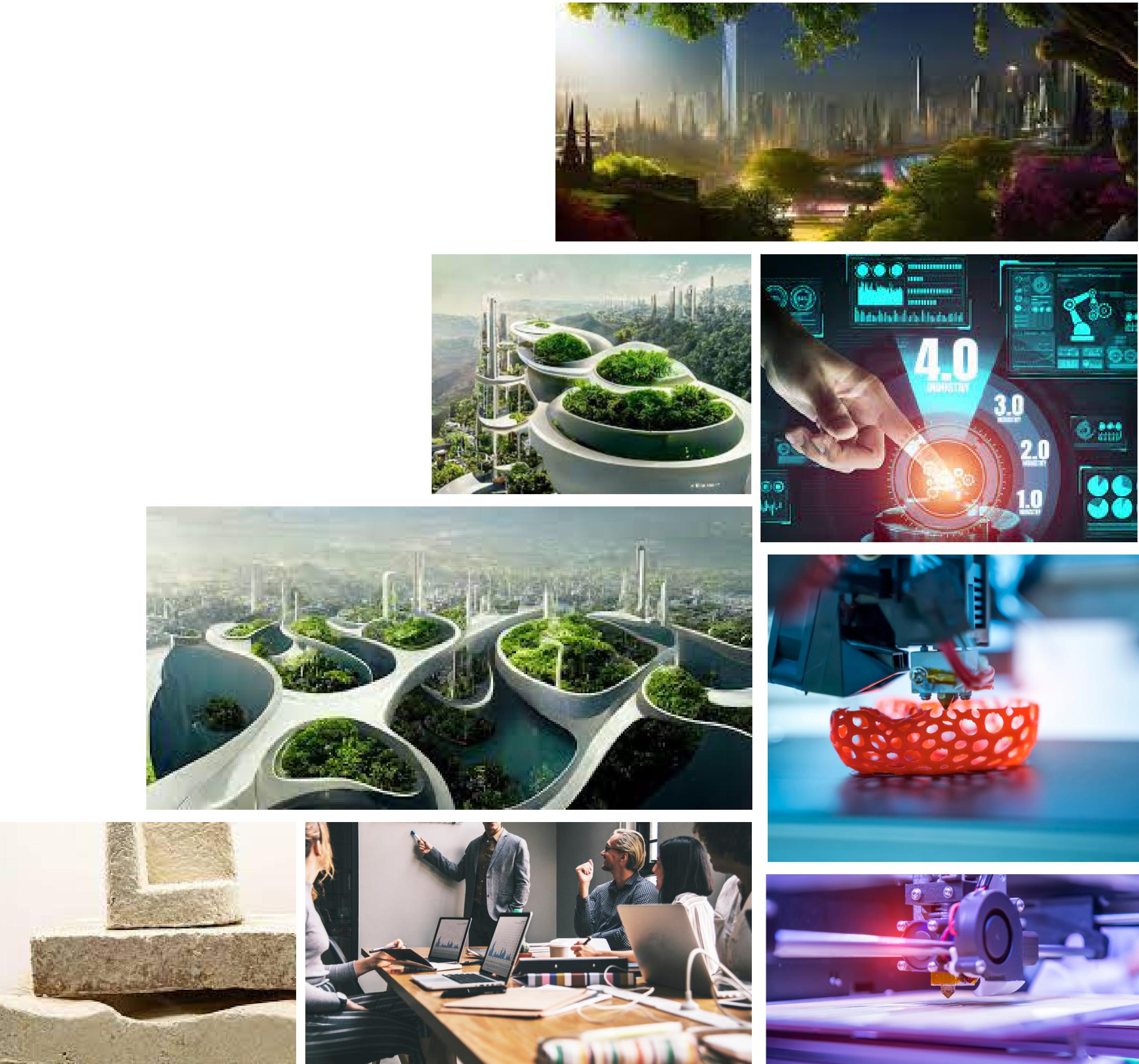
2029

2034



# Envisioned Future

The distribution of PomeloHub from a regional to worldwide scale in AI imagery.





# Thank you!

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