



Big Data Innovation & Research Excellence

THE ITALIAN COMPETENCE CENTER FOCUSED ON BIG DATA

WHO WE ARE

BI-REX is one of the **8 Italian Competence Centers** funded by the Italian Ministry of the Economic Development within the **Industry 4.0 National Plan**.

Our **public-private Consortium**, born in 2018, is located in **Bologna** (Italy) and gathers in partnership **60 players** among Universities, Research Centers and Companies of excellence.

BI-REX is the only Italian Competence Center with an industrial leadership.

OUR MISSION



Support companies in their digitization, sustainability and innovation processes and in the adoption of enabling technologies from an Industry 4.0 perspective



Facilitate the exchange of “best practices” and Technology Transfer

THE CONSORTIUM 60 PARTNERS

12

INSTITUTIONS



26

END USERS



22

TECHNOLOGY SERVICE PROVIDER



Metropolitan City
of Bologna

European Digital Innovation
Hubs & Competence Centers

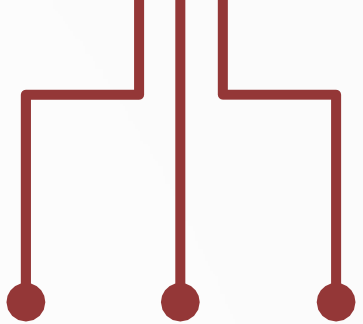
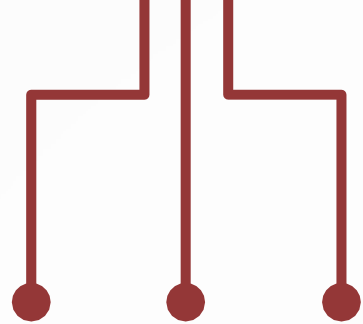
L'ECOSISTEMA

bi-rEX
Big Data Innovation & Research Excellence

Industrial research
Laboratories, Regional
Infrastructures,
Technopoles, Regional
Digital Innovation Hubs,
Trade Associations, High
Technology Network

7 Italian
Competence Centers

OUR STRENGTHS



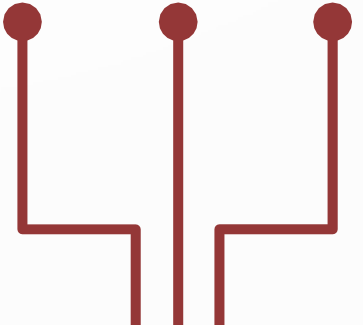
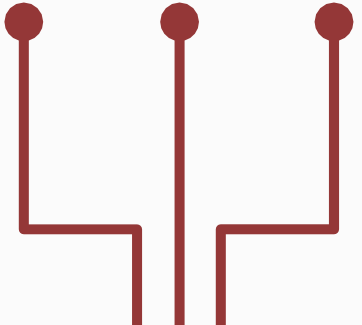
Dedicated areas within our structure

where conferences, meetings, training and coworking activities can be implemented

An **orientation, training and consultancy system** for companies, closely integrated with the Digital Innovation Hubs

A **wide ecosystem** including industrial innovation projects and collaborative public-private industrial research projects

A **Pilot Plant** where Industry 4.0 enabling technologies can be implemented and optimized



IMPLEMENTED ACTIVITIES

Issue and assignment of 3 public calls for innovation projects

Pilot Plant completion and 5G «bubble»

Realization of Services Catalog

Organization of webinars and thematic workshops

Finalization of over 90 training courses

Creation of screening activities and Best Practices in Covid-19 field

Launch of Industry 4.0 Observatory

Launch of BI-REX for Life Science

Euro HPC integration and preparation of > 10 European projects for SMEs

Application of BI-REX ++ as EDIH

PUBLIC CALLS

KPI

NETWORKING

3 Calls assigned
35 Projects financed
88 Companies awarded
12 Industries involved

WEBINAR

60 Organized
3.800 Participants
2.000 Participating Companies

COURSES WORKSHOP EVENTS

100 Organized
5.500 Participants
2.600 Participating Companies
90+ Programmed Courses
1 Industry 4.0 Academy

210 Collaborations
1.700 Companies and Associations met
1.300 Pilot Plant visits

COMPANIES CONTRIBUTIONS

LINE cd «B1 call for companies»

9.300.000€ until 31.10.2025

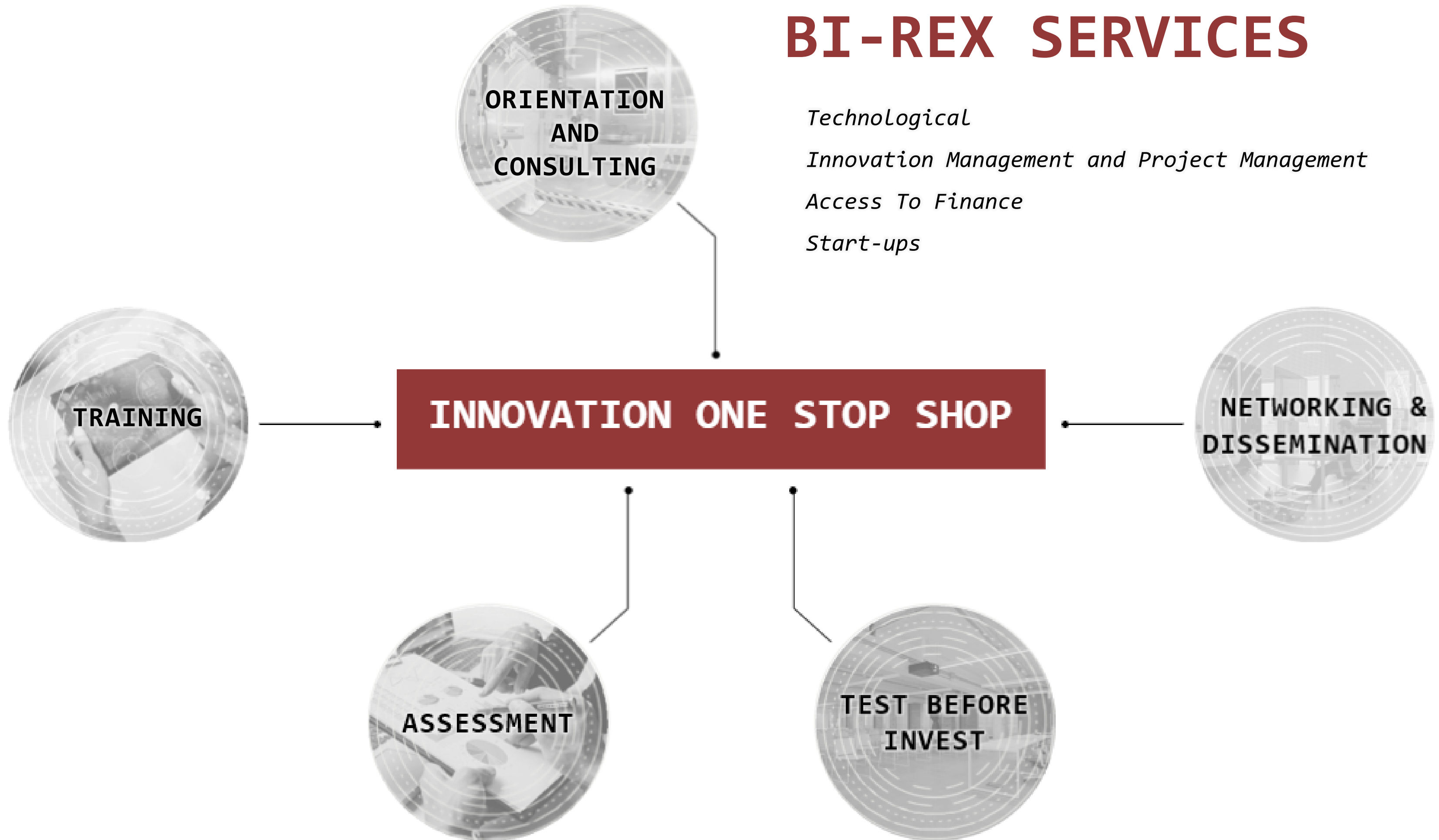
- As a grant for business innovation projects with a maximum contribution of 400.000€ for each project.
- The beneficiaries of the calls for proposals are companies that will receive direct contributions to expenditure for the realization of innovation projects, industrial research, experimental development, expected TRL ≥ 6

LINE cd «B2 co-financed services to enterprises»

4.800.000€ until 31.10.2025

- As the provision of State aid to enterprises, in the form of a "discount" on the price of the services provided and with aid intensities linked to the type of service and the size of the enterprises (SMEs Art. 28 or 31 - for training - of the GBER, Large Enterprises "De minimis" or 31 of the GBER).

BI-REX SERVICES



BI-REX PUBLIC CALLS: A KEY ACTIVITY

The calls for the realization of innovative and industrial research projects represent a cornerstone among our activities.

MIMIT co-financing for **industrial research and experimental development projects**: the aim is to **accelerate companies' innovation processes**.

The total amount allocated for our calls in the years 2023-2026 will be **9.3 million Euros** in order to finance **more than 30 innovation projects**.



OBJECTIVES AND PRINCIPLES

Create innovation and development opportunities

Implement public-private collaborative applied research projects

Improve and innovate production processes, products, business and organizational models

1

Innovativeness of the project proposals

2

Quality of the industrial implementation plan

3

Aggregation/Partnership of two or more companies

4

Presence of SMEs in the partnership agreement

5

Collaboration with universities and research organizations

BI-REX PUBLIC CALLS FIGURES (2019-2022)

3 PUBLIC CALLS
LAUNCHED AND ASSIGNED



5,4 MILLION EUROS
ALLOCATED



+7 MILLION EUROS
CORPORATE INVESTMENTS
ACTIVATED



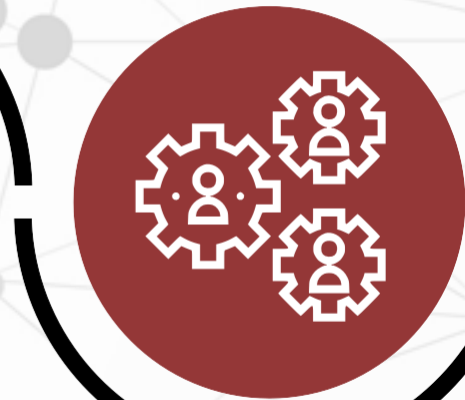
35 PROJECTS
>50 USE CASES



88 COMPANIES
AWARDED



12 INDUSTRIES
INVOLVED



BI-REX PILOT PLANT

The Pilot Plant is **an advanced production line**, where new Industry 4.0 technologies are integrated with traditional ones, in a **digitally interconnected environment**.

A **smart factory** where companies and professionals involved in Industry 4.0 context can test high added value solutions and processes.

The Pilot Plant has been designed in order to:

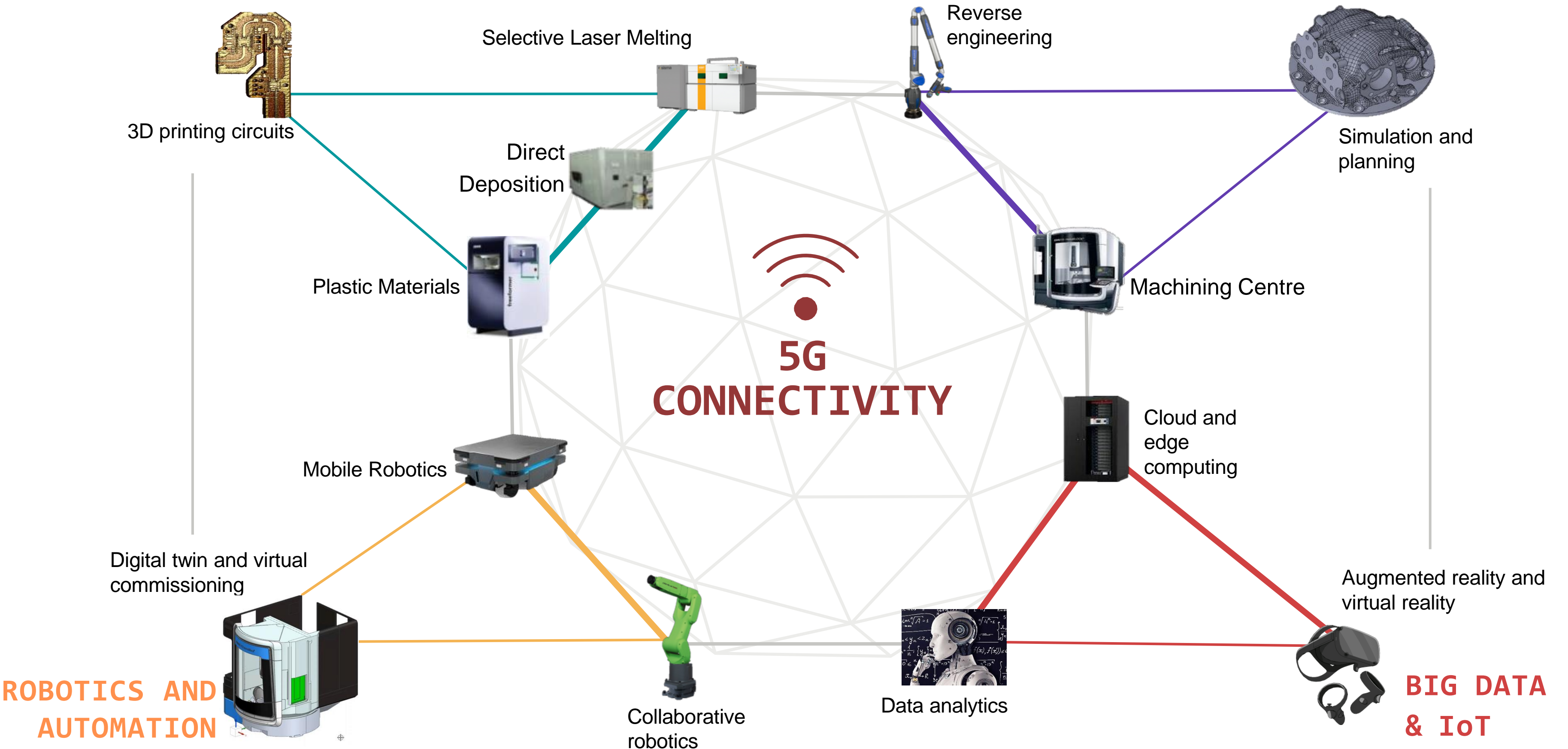
- Make available a production area for **Test Before Invest activities**;
- **Support technological innovation** of enterprises;
- Support BI-REX services such as **"hands on" training** and business orientation.



BI-REX PILOT PLANT

ADDITIVE
MANUFACTURING

SMART
MANUFACTURING



OUR CONTACTS



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