

"ROME TECHNOPOLE"

DIGITAL, INDUSTRY, AEROSPACE



TARGET:

Rome Technopole project is aimed at creating a regional innovation ecosystem through which to achieve the three priority macro-objectives for Lazio's smart specialization path:

- 1) to favor a process of repositioning the regional industrial and productive realities towards segments and markets with greater added value, through processes of adaptation of know-how and technologies of excellence;
- 2) to make Lazio a "great European region of innovation" with an international dimension, which allows local players to become part of the international value chain;
- 3) to guide Lazio along internationalization paths, which orient the renewed competitive capacity of the industrial sector, to markets of strategic interest.

Therefore, Rome Technopole is the R&D project proposed by the regional system of public and private universities and EPR, industrial association, industries and companies, Lazio Region, Rome Municipality, the regional chambers of commerce, aimed at generating a quantum leap in Lazio Region in all the innovation processes oriented towards sustainable development, smart specializations, requalification and relaunching of the industrial sector, with specific focus on three thematic areas characterized by the highest qualification and strongest industrial presence over the regional territory: Energy Transition (EnT), Digital Transition (DgT), Health and Bio-Pharma (H&BP).

The creation of "Rome Technopole" responds to the needs of:

- Enhancing, at both national and international levels, the attractiveness of the regional system of training-research-innovation-technology transfer-industrial productivity with reference to the three strategic sectors of reference (Energy Transition, Digital Transition, Health & Bio-Pharma);
- Implementing an excellent public-private model for collaboration and stable partnerships between research and enterprise in Rome and in Lazio region;
- Offering a strong pole of attraction in Rome for large companies operating along the main technological drivers of particular relevance in the regional context.

Therefore, the main objectives of Rome Technopole are:

- 1) To create a multi-technological transdisciplinary hub, acknowledged at international level, which foster and sustain the regional innovation ecosystem through cross-development and integration of high education, research of excellence, technology transfer, industrial development, out-reach and scientific dissemination;
 - 2) To unleash the potential of fundamental and industrial researches on the three smart specialization areas related to EnT, DgT, H&BP, and interconnect it with the regional industrial sector in order to advance the frontiers of knowledge and drive revolutionary innovation in industrial processes and products, with particular attention also to sustainable development and human capital, also through the promotion, creation and development of permanent joint labs between research partners and industrial subjects, open-labs and innovation labs, innovative start-ups;
 - 3) To relaunch the economy and territorial development of Rome and Lazio Region, in view of strengthening the central Italy after the pandemic crisis, enhancing and strengthening the industrial
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and entrepreneurial system through the reform of the collaborative system university - business – regional administration that is based on the integration of skills, competences and needs and acts as an attractor and growth driver, a reference point at national and international levels;

4) To increase the number of graduates in Rome and Lazio in order to fulfill the request and needs of industries and enterprises in the driving sectors of EnT, DgT, H&BP, also with reference to the new competences and profiles deriving from the actuation of the Next Generation EU plan;

5) To push awareness of society about the high quality and efficacy of the regional university system with respect to job placement and hiring in top level companies, in particular with specific reference to the three sectors of EnT, DgT, H&BP.

6) To promote collaborations and synergies with organizations and companies located in the southern Italian regions, so that Rome Technopole will contribute to be a driving force for innovation also in those regions, outside Lazio, that represent a strategic objective of growth in the European programming.

7) To develop ecosystem innovation projects (the so called “Flagship Projects” - FP), within the specific S3 areas, in order to integrate research capabilities, innovation needs, educational and training demands, technological development in a common platform involving universities, research & industrial partners.

SECTION PARTNERS

TOTAL NO. OF PARTNERS: 25

Proposer: Università di Roma La Sapienza

Participants

PUBLIC SUBJECTS

Universities

- Università di Roma Tor Vergata
- Università di Roma Tre
- Università di Cassino e del Lazio Meridionale
- Università della Tuscia

Research Institutes

- Consiglio Nazionale delle Ricerche
 - Nazionale di Fisica Nucleare
 - Istituto Superiore di Sanità
 - Agenzia nazionale per le nuove tecnologie, l’energia e lo sviluppo economico sostenibile
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PRIVATE ACTORS:

Research Organisations

- Università Campus Bio-Medico di Roma
- Libera Università Internazionale degli Studi Sociali Guido Carli

Companies

1. Airbus Italia S.p.A.
2. Al maviva – The Italian Innovation Company S.p.A.
3. BV Tech S.p.A.
4. Catalent Anagni S.r.l.
5. Coima REM S.r.l.
6. ENI S.p.A.
7. Leonardo S.p.A.
8. Lventure Group S.p.A.
9. Maire Tecnimont S.p.A.
10. MBDA Italia SpA
11. Takis S.r.l.
12. Thales Italia S.p.A.
13. Unicredit S.p.A.
14. Unidata S.p.A.

SPOKE

Spoke n. 1 – Applied research technology development and innovation

Leader spoke: Università La Sapienza

Spoke members:

- Università di Roma Tor Vergata
 - Università di Roma Tre
 - Università di Cassino e del Lazio Meridionale
 - Università della Toscana
 - Consiglio Nazionale delle Ricerche
 - Libera Università Internazionale degli Studi Sociali Guido Carli
 - Istituto Superiore di Sanità
 - Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile
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- Università Campus Bio-Medico di Roma
- Airbus Italia S.p.A.
- BV Tech S.p.A.
- Coima REM S.r.l.
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- Maire Tecnimont S.p.A.
- MBDA Italia SpA
- Takis S.r.l.
- Thales Italia S.p.A.
- Unidata S.p.A.

Spoke n. 2 – Technology transfer, new entrepreneurship, business incubation and acceleration

Leader spoke: Università di Roma Tor Vergata

Spoke members:

- Università di Roma La Sapienza
- Università di Roma Tre
- Università di Cassino e del Lazio Meridionale
- Università della Toscana
- Consiglio Nazionale delle Ricerche
- Libera Università Internazionale degli Studi Sociali Guido Carli
- Istituto Superiore di Sanità
- Agenzia nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile
- Università Campus Bio-Medico di Roma
- Al maviva – The Italian Innovation Company S.p.A.
- Catalent Anagni S.r.l.
- Lventure Group S.p.A.

Spoke n. 3 – University education, industrial PhD courses, internationalization

Leader spoke: Università di Roma Tre

Spoke members:

- Università di Roma La Sapienza
 - Università di Roma Tor Vergata
 - Università della Toscana e del Lazio Meridionale
 - Consiglio Nazionale delle Ricerche
 - Istituto Superiore di Sanità
 - Università Campus Bio-Medico di Roma
 - BV Tech S.p.A.
 - Catalent Anagni S.r.l.
 - ENI S.p.A.
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Spoke n. 4 – Professional undergraduate education in technology

Leader spoke: Università di Cassino e del Lazio Meridionale

Spoke members:

- Università di Roma La Sapienza
- Università di Roma Tre
- Università della Tuscia e del Lazio Meridionale
- Istituto Superiore di Sanità
- BV Tech S.p.A.

Spoke n. 5 – Out-reach, public engagement, long-life learning

Leader spoke: Università della Tuscia

Spoke members:

- Università di Roma La Sapienza
- Università di Roma Tor Vergata
- Università di Roma Tre
- Consiglio Nazionale delle Ricerche
- Istituto Nazionale di Fisica Nucleare

Spoke n. 6 – Open Research Infrastructures, joint labs, high education in cooperation with industries

Leader spoke: Università di Roma La Sapienza

Spoke members:

- Università di Roma Tor Vergata
 - Università di Roma Tre
 - Università della Tuscia e del Lazio Meridionale
 - Consiglio Nazionale delle Ricerche
 - Istituto Nazionale di Fisica Nucleare
 - Istituto Superiore di Sanità
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Project calls: 11,79% of project amount
