

## **“Parcours” : the new consortium dedicated to vocational training on the industry of the future wins funding from the Future Investments Program**



*Institut Mines-Telecom and its partners, Airbus, Bosch Rexroth, Fondation Mines-Telecom, Festo, Hall 32 and Sigma Clermont are developing an innovative training program for key technological and managerial skills needed for the industry of the future.*

**Institut Mines-Telecom (IMT) together with its industrial partners, won the call for projects entitled “Vocational Training and Innovative Support Engineering” (IFPAI) led by Banque des Territoires as part of the Future Investments Program (PIA). This project dedicated to “vocational training and support for innovative companies” contributes to one of the pillars of the strategy for the digital transformation of the French economy: the industry of the future. The Parcours consortium brings together schools and companies for the purpose of developing, over the course of three years, an agile and customized training program focused on digital technology and experiential learning in order to meet the needs for lifelong learning.**

The strategic operations of transforming and modernizing companies’ production facilities is now being hampered by a lack of qualified human resources. Digital skills (AI, big data, IoT, digital twins, cybersecurity, embedded systems) and new technologies require the training or retraining of a company’s personnel. Professions are changing and new ones are emerging that involve not only technical and organizational knowledge but also soft skills (independence, versatility, team spirit, project management).

These new needs, which are shared by several industrial sectors, are not sufficiently covered by existing training organizations. Against this background, in order to meet the challenges of transformation and competitiveness, Institut Mines-Telecom is leading a vast “Parcours” consortium involving companies, professional organizations and schools. It is targeting several industrial sectors (digital infrastructure, electronics industries, new energy system industries, automobile industries). The plurality of its founding members – Institut Mines-Telecom and its partners, Airbus, Bosch Rexroth, Fondation Mines-Telecom, Festo, Hall 32 and Sigma Clermont – and the association of professional groups like Amics, FIEEC, Syntec ingénierie, Gimelec, Symop, Alliance Industrie du Futur, Dassault Systèmes and Michelin, form a powerful consortium aimed at understanding the needs, organizing a multi-modal training program and assisting companies in identifying the skills needed for their transformation.

This €4.8 billion project (50% of which is provided by Banque des Territoires) will make it possible to develop research in training engineering, innovative tools, support for SMEs and training facilities.

## A prefiguration of a national vocational training program

The PARCOURS program is founded on 3 focus areas:

1. analysis of industrial companies' needs, with a dual approach of changes in the demand for skills and support for small and medium-sized companies (SMEs) in their transformation strategy, and the joint construction of their skills development plan;
2. organization of diverse training courses, adapted to the individual needs of employees, changing with the skills required by companies;
3. creation of an interoperable resource platform.

The cornerstone of Parcours is educational innovation and the hybridization of training methods: remote, digital, experiential, on-the-job training, participation in collaborative projects, access to technological tools.

The project will work to develop training programs for future professions, create innovative content, and organize the implementation of the training in order to lay the foundations for the training program and its implementation through a sustainable model.

Francis Jutand, Deputy CEO of Institut Mines-Telecom: *"The acceleration of the digitalization of the economy and industry has brought the issue of vocational training to the forefront. The Parcours consortium combines advanced scientific and technological knowledge from Institut Mines-Telecom and Sigma with the powerful tools of their industrial partners in order to create solutions for companies: innovative vocational training and support for the transformation of small and medium-sized companies. This project is an important first step in the transformation of IMT's lifelong learning programs. It combines initial training with work-study and lifelong learning programs."*

Associated partners:



*This operation is supported by the State as part of the "Workforce adaptation and qualification" initiative, the "Vocational training and innovative support engineering" (IFPAI) program, and the national component of the Future Investments Program, operated by Caisse des Dépôts (Banque des Territoires).*

### About Institut Mines-Télécom [www.imt.fr/en](http://www.imt.fr/en)

Institut Mines-Télécom is a public higher education and research institution under the aegis of the French Ministry for the Economy, Industry and Digital Affairs, which groups together 8 graduate schools, 2 subsidiaries and a network of strategic and affiliated partners. Its activities in the fields of engineering sciences and digital technology support the education of engineers and managers, partnership-based research, innovation and economic development. Always attentive to the economic world, IMT combines strong academic and scientific legitimacy, close corporate relations and strategic positioning in the key transformations of the 21st century: digital technology, industry, energy and ecology, and education. IMT is a founding member of the Alliance for the Industry of the Future and co-founder of the German-French Academy for the Industry of the Future with Technical University of Munich (TUM). It is recognized by 2 Carnot Institute accreditations for the quality of its partner-based research. Each year, IMT trains over 13,000 students, enters into nearly 70 million research contracts, and hosts some 100 start-ups in its incubators.



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