

Press release

ERG and the Italian Institute of Technology (IIT) work together to accelerate the digitisation of renewables

Genoa, 14 Oct. 2021 - ERG, a leading independent producer of renewable energies, and the Italian Institute of Technology (IIT), a foundation aiming to promote research excellence and foster the development of the national economic system, today signed a multi-year cooperation agreement. This agreement is designed to accelerate the digitisation process in the renewable energy sector.

The agreement will lead to the creation of a joint laboratory dedicated to research and development activities in machine learning, predictive maintenance, training and industry 4.0.

The research partnership between ERG and IIT will focus specifically on analysing business and environmental data from ERG's renewable energy production activities using machine learning and artificial intelligence algorithms to build correlations and predictive models.

ERG will thus share the experience gained in the Wind&Solar sector with IIT, which will make available, through the research team led by Andrea Cavalli, its consolidated *data science* know-how and the most advanced information technologies. This includes the Franklin supercomputer, recently installed in the Liguria Digitale premises, which alone represents around 10% of Italy's computing capacity. IIT researchers will process the data provided by ERG to make the most of the power of digital technology to promote increasingly efficient and sustainable management of renewable energy production.

Renato Sturani, ERG's Chief Operating Officer: *"The rapid evolution of information systems and the giant steps possible in digitalisation will quickly lead to an efficiency boost in the production processes of renewables and their integration into the electricity grids and markets. This is a crucial innovation in the evolution of our business. In the joint laboratory with IIT, we will pool our mutual expertise and the vast amount of data from our activities to make renewable energy production more efficient and sustainable and improve our operational performance".*

Gianmarco Montanari - Director General of the Italian Institute of Technology (IIT): *"Data is the wealth of our era, and it is essential to have the skills and infrastructure to process it. A state-of-the-art supercomputer devoted to our network's research activities and run by a world-class research team has been up and running at IIT for about a year. We are thrilled to have the chance to work with leading companies such as ERG on environmental sustainability issues, which are a priority for our company and one of the cornerstones of our strategic plan for the coming years".*

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