

Smart grid bucharest

BUCHAREST: Electrica Group has announced the signing of a Memorandum of Understanding (MOU) with Esyssoft Holding Ltd. The agreement, signed on May 16, 2024, in Bucharest and witnessed by the Prime Minister of Romania, marks a collaborative effort to deploy and finance smart-grid technologies in Romania, including Advanced Metering Infrastructure (AMI), electric vehicle (EV) charging stations, energy storage, and consumer engagement initiatives.

This includes forming a Joint Venture or Special Purpose Vehicle (SPV), or any other legal framework within Romanian and EU regulations, to facilitate the transfer of know-how and development of modern energy infrastructure.

With a global presence in over 10 countries and serving more than 35 utility companies worldwide, Esyssoft brings a wealth of experience in smart-grid technologies, AMI, EV charging infrastructure, energy storage, and consumer engagement, backed by advanced communication networks, IT, IoT, analytics, and AI solutions.

Electrica Group, a leading entity in Romania's electricity supply, distribution, production, and energy services sectors, serves approximately 3.9 million users. With a presence in 18 counties across three geographical regions--Northern Transylvania, Southern Transylvania, Northern Muntenia--Electrica has been a publicly listed company with majority private capital on the Bucharest and London Stock Exchanges since July 2014.

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The "Smart Grid" Carpathian Modernized Energy Network (CARMEN) project, developed in partnership by Delgaz Grid SA, the electricity and natural gas distribution company, part of the E.ON group, CNTEE Transelectrica SA, the national transmission and system operator and MAVIR; the Hungarian transport operator, was included in the 5th list of Projects of Common Interest (CIP), adopted at the end of last week by the European Commission.

The CARMEN project has a value of around EUR 150 million, and its implementation will run for a period of 6 years, starting in 2023, and will be proposed for funding under the Connecting Europe Facility (CEF) program.

Following its adoption by the Commission, the Delegated Act containing the draft 5th CIP list will be

presented to the European Parliament and the Council. Both legislators have two months to accept or reject the list – a process that can be extended for another two months if necessary. Based on the applicable legal provisions, the legislators do not have the possibility to modify the draft list.

Also, the 5th PCI list includes 4 more projects of common interest developed by CNTEE Transelectrica SA, part of the Romania – Serbia Cluster “Mid Continental East Corridor”, including: The Interconnection Line between Resita (RO) and Pancevo (RS), The Internal Line between the Iron Gates and Re?i?a, the Internal Line between Re?i?a and Timi?oara / S?c?laz, as well as the Internal Line between Arad and Timi?oara / S?c?laz.

Through the CARMEN project, the partners aim to modernize and develop electricity transmission and distribution networks, as well as increase their interoperability, both at national and European level, in order to achieve objectives of common interest. Thus, it is estimated the modernization of 23 substations, 65 substations, high voltage overhead lines and the implementation of specific IT and communication technologies, the installation in the electric transmission network of modern means of voltage control at the level of the energy system. .

CARMEN will directly contribute to increasing the take-up capacity in the low voltage network of electricity produced from renewable sources by prosumers, the project being an extremely important step towards accelerating the greening and digitization of the electricity transmission and distribution network managed by those three partners.

The Intelligent Metering Systems and Smart Grid Solutions are the strategic directions of our Applied R& D activity, in line with the directives of the European Commission regarding the future of the energy sector.

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