

AEG

MISKOLC: FROM STEELCITY TO SMART SOLAR HUB WITH AEG IMM

Abaújalpár village, October 5th: the sun is shining on the ribbon cutting ceremony of the first AEG IMM (Individual Module Monitoring) solar plant in Hungary. The ground-mounted solar plant is located in the picturesque mountainous region of Zemplén, in Northern Hungary, close to the county capital Miskolc. The 570 kWp installation was designed by developer and AEG distributor in Hungary PV Napenergia and executed by Szonár Energetika with AEG 275 Wp polycrystalline modules.



Rise and fall of SteelCity in industrial Northern Hungary

Northern Hungary used to be Hungary's most industrialized area. Miskolc, the county capital of Borsod-Abaúj-Zemplén and the regional centre of Northern Hungary, was the second largest city after Budapest. Among others, the city was renowned for the DAM (Diósgyőri Acél Művek; in communist era known as LKM, Lenin Kohászati Művek), an imposing steel factory that made the area a key industrial center for Hungary, the equal of what Ruhr region was for Germany. The economic recession at the end of the socialist era hit hard on northern Hungary. The overall economy of what was known as SteelCity declined, causing inhabitants to move to Hungary's capital Budapest, or abroad - to England or to Germany- in seek of better opportunities.



570 kWp PLANT CAPACITY



2120 AEG IMM SOLAR MODULES



383t CO₂ SAVED PER YEAR



213 POWERED HOUSES



The awakening; a promising solar market

Fast forward to 2018: The region around Miskolc has won over the recession; the economy has picked up again, infrastructures have been built and tourism encouraged as an alternative source of income. Still, new ways of advancing the local economy are being explored. This drive crosses paths with the blooming Hungarian renewables. Hungary is today a promising solar market: up to 400 MW of new solar capacity is expected to be installed in the country by the end the year. Adding it to the existing capacity, the totaled PV power in the country might surpass 700 MW. In this context, development companies active in Northern Hungary such as PV Napenergia are seeking to bring new life to the local economy with aid of the most advanced solar technologies.

A smart solar hub for clean energy with AEG IMM

PV Napenergia is currently designing a series of solar plants meant to provide clean energy to the Miskolc area and incorporate advanced technologies, with the aim of fostering a prompt adoption of solar energy at local level. For this reason, PV Napenergia chose to plan their installation with AEG solar modules embedding AEG IMM Technology. The first solar plan of the series is the one based in Abaújalpár. Thanks to the smart monitoring technology AEG IMM integrated at solar module level, the plant will be managed and controlled by remote. IMM's artificial intelligence will inform plant owners of the "health status" of the plant, warn them in real time of any technical issues which have occurred at the individual module level within the plant down to the individual modules and suggest viable maintenance solutions, thereby significantly reducing operation & maintenance costs and improving plant yields. The Abaújalpár solar plant (2120 AEG solar modules with integrated IMM) will feed the energy to the grid powered by the national energy authority MAVIR. The installed capacity will power the equivalent of 213 houses per year, and save 383t of CO₂ annually. As a company with their roots in Miskolc, PV Napenergia are strongly committed to the further development of this area and are proud to bring their contribution to a greener, technically advanced Borsod-Abaúj-Zemplén region.



ABOUT PV NAPENERGIA

Based in Miskolc, PV Napenergia is a team of young yet highly experienced managers, engineers, installers and service staff active on the Hungarian solar market since 2013. Awarded as one of the "100 best places to work" in Hungary, the company's commitment to highest service standards for solar installations has earned PV Napenergia an excellent customer satisfaction index. PV Napenergia is already bringing the AEG premium brand experience to their customers for home, commercial and large projects. art. More info: www.pvnapenergia.hu

ABOUT AEG

Part of the AEG family with its hundred-year tradition as a leading German brand in the field of electrical appliances owned today by Electrolux Group, AEG quality photovoltaic products stand out for their reliability, aesthetics and enhanced usability. Each AEG product is developed to be always an idea ahead in the world of smart solar to grant users full control over their yields and peace of mind. AEG solar products are distributed worldwide under license by Solar Solutions GmbH, Germany and brought to the international markets by a solid network of selected local partners. More info: www.aeg-industrialsolar.de