

Ankara backup power

Turkey-headquartered lithium-ion and energy storage manufacturer Kontrolmatik Technologies will deploy a 1GWh energy storage project on home soil with financing provided by Chinese energy firm Harbin Electric.

The agreement with Harbin, announced last week, will see Kontrolmatik provide electrical and construction works while subsidiary Pomega will provide the energy storage system.

Harbin will finance the project which is being launched by another Kontrolmatik subsidiary, Progresiva, and is expected to come online in 2025. It will be built in Tekirdağ, near Istanbul, and was described as a \$300 million investment in the announcement.

It will be co-located with wind power project, the first gigawatt-scale project of its kind in Turkey, Kontrolmatik said.

On Kontrolmatik's website, the company describes Progresiva as an investor in energy projects and an energy trader. It also claims Progresiva has the first and only standalone energy storage unit in Turkey and will commission a 250MW/1,000MWh facility in 2024 (it's not clear if this is a separate project to the one agreed with Harbin Electric; both are in the northwest Marmara region).

A signing ceremony for the Harbin project, in the capital Ankara, was attended by the local ambassador for China, Liu Shaobin, and Turkey's vice president Cevdet Yılmaz.

Turkey is emerging as a regional hub for lithium-ion gigafactory and energy storage system (ESS) manufacturing and is also expected to see a ramp-up in domestic energy storage installations too.

At the end of 2023, the government awarded pre-licenses to co-located energy storage projects totalling 25.6GW of power and also imposed a 30% tax on lithium iron phosphate (LFP) batteries imported which, Energy-Storage.news was told by a local industry source, would boost the local upstream market (Premium access).

Kontrolmatik has an LFP gigafactory in Ankara which began production in 2022, building on the company's existing ESS assembly facilities. The gigafactory was launched through subsidiary Pomega, which is also building a battery cell and ESS production facility in South Carolina, set to be completed in July 2024; Energy-Storage.news spoke to Pomega's US VP business development Louis Caso about it in March last year (Premium access).

A new 1GWh lithium iron phosphate (LFP) battery factory in Turkey serving the energy storage system (ESS) market will start production in Q4 2022, said Pomega Energy Storage Technologies, the company behind the

project.

It is being built on/in an existing factory acquired in the Polatl? Organized Industrial Zone and construction started at the end of 2021. It will produce LiFePO₄, aka LFP, battery cells, packs, modules and containerised energy storage systems (ESS) on a zero-waste principle.

It will generate 40% of its electricity with rooftop solar as well as use a waste heat recovery plant and rain collection and re-use systems.

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