

July 25, 2023

Securing Energy Supply with Local Technologies “4.3 MW Wind Turbine”

ASELSAN is using 45 years of experience and know-how for providing technologies to renewable energy sector by performing critical and strategical activities under the R&D projects. The company is developing “4.3 MW Wind Turbine” by extending the existing local manufacturing eco-system.

The 4.3 MW wind turbine will be the first local brand at this capacity in Turkey by using the Squirrel Cage Asynchronous Generator (SCIP) and Full Scale Power Converter (FSPC) and SCADA System completely developed by ASELSAN as new ground breaking in Türkiye. In addition to these developments; turbine control, turbine platform-level system integration and type certification will be the first achievements in Turkey based on 4.X MW capacity.

The first application of all these developments will be under the project of “Renewal of ALAÇATI Wind Power Plant by Local Wind Turbine Technology” which is turnkey solution as supply, installation, testing and commissioning of 4.3 MW wind turbines at ALAÇATI WPP having the highest localization rates ever in Türkiye.

The demand for renewable energy is growing rapidly, driven by global effort to combat climate change and energy shortage. Wind energy is leading the way, as it is clean and abundant source of energy. The increasing demand for wind power is in turn driving demand for wind turbines.

About ASELSAN:

As a global technology leader, we have established an organization that delivers new experiences to our users all across the world. By investing into our highly diversified human asset, we keep growing in a sustainable and inspiring fashion.

A journey began with a radio communication device today took us to more than 500 various products and solutions that changed “status quo ante” in defense and security arena. Our ambitious global expansion strategy made us embracing investment opportunities in promising markets.

With the inspiration of our clients in more than 80 countries, we start every new day with new ideas and dreams that encourages us to challenge technology boundaries. Striving for a better planet is our endless motivation.

Note: For more information regarding the product, please visit our booth at the IDEF 2023.

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