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Three major hydro orders worth around €100 million

Alstom strengthens its leading position in the hydro market in Turkey

Turkey's leading [hydropower](#) equipment provider Alstom has recently signed three major contracts for Alpaslan II (292 MW), Upper Kaleköy¹ (636 MW) and Tepekışla² (72MW) hydro power plant projects, totalling around €100 million.

The Alpaslan II project, is owned by ENERJISA (JV between SABANCI and EON), and located on Murat River in Muş city, in eastern Turkey. For this project Alstom will engineer supply and install two 115 MW and two 31 MW vertical [Francis turbines](#) (totalling 292 MW), main inlet valves, generators, generator step-up transformers, switchyard equipment and control system.

For the Upper Kaleköy project owned by joint-venture between CENGİZ and ÖZALTIN, near Bingöl city, eastern Turkey, Alstom will supply one 30.6 MW Vertical Francis turbine, generator, and the full electrical balance of plant including 380 kV switchyard equipment, generator step-up transformers, control system and rest of the electrical balance of the plant equipment.

For the third project, named Tepekışla, Alstom will supply two 35MW horizontal Kaplan turbines type "SAM"³, main inlet valves, generators and a 4 MW ecological horizontal Francis generating sets. Tepekışla's SAM units with 35 MW/unit size will set the world record of its kind, confirming Alstom's leadership on "low head" hydroelectric projects. The Tepekışla project is owned by a subsidiary of SANKO Enerji, and located on the river Kelkit, near the city of Tokat, northern Turkey,

With around 3,500 GWh/year, these three projects will have a significant contribution to Turkish renewable energy production, in total generating about 242,000 GWh/year for the country.

Commenting on the contracts Adil Tekin, Alstom Turkey Country President said: *"We have been contributing to the energy infrastructure in Turkey since the 1950's and realized many important projects with each of those major energy players till today. These contracts show*

¹ Alpaslan II and Upper Kaleköy projects were booked during Q1 of fiscal year 2013/14.

² Tepekışla will be booked during Q2 of fiscal year 2013/14.

³ SAM turbines are a type of small turbine specifically designed for "low head" application for units between 10m to 40m head

their trust to Alstom's deep knowledge, experience and work quality. We are very proud to work with them again".

Alstom is Turkey's leading hydropower equipment provider and supplies more than 50% of the country's hydro generator market for over 60 years.

About Alstom

Alstom is a global leader in the world of power generation, power transmission and rail infrastructure and sets the benchmark for innovative and environmentally friendly technologies. Alstom builds the fastest train and the highest capacity automated metro in the world, provides turnkey integrated power plant solutions and associated services for a wide variety of energy sources, including hydro, nuclear, gas, coal and wind, and it offers a wide range of solutions for power transmission, with a focus on smart grids. The Group employs 93,000 people in around 100 countries. It had sales of over €20 billion and booked close to €24 billion in orders in 2012/13.

About Alstom in Turkey

Alstom started its activities in the 1950s, and is a key contributor to the energy and rail transport infrastructure in Turkey. References, spanning a wide range of fuels, include the 320 MW Can lignite-fired power plant, the Afsin Elbistan A 1,340 MW coal-fired power plant and the 1,120 MW Hamitabat combined cycle power plants. Alstom supplied key equipment for more than 50% of Turkey's installed power generation capacity, including the Atatürk dam which is the biggest hydro power plant in the country. Alstom has furnished approximately 50 % of the installed transmission products of TEIAS and successfully performed several key railway projects, such as Istanbul's first Metro Line (Taksim-Levent), the delivery of 460 locomotives for the National Railways and the Istanbul tramway. Alstom is today a social and economic contributor, with approximately 1200 employees in Turkey working for commercial, engineering, service and manufacturing, able to manage turnkey transmission projects for the entire region in power generation and in power transmission. The Gebze factory exports 85% of its production and, Alstom Grid is always in top 100 among the top 500 national companies in Turkey.

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