

FOR IMMEDIATE RELEASE

Turboden provides three Organic Rankine Cycle modules to Ortadoğu Enerji, one of the largest Player in the World in the Valorization of Landfill Gas.

7MWe for two Landfill Gas Energy Production Plants in Istanbul.

Brescia, January 17th 2017 – Turboden supplies three ORC power plants to Ortadoğu Enerji (a division of Ortadoğu Group).

Turboden, a group company of Mitsubishi Heavy Industries (MHI), is a leader in Organic Rankine Cycle (ORC) technology for distributed power generation employing renewable sources and waste heat. As of today, Turboden has 334 ORC plants in 35 countries with about 509 MWe installed.

In 2007 **Ortadoğu Enerji** began production work in the energy sector with the Landfill Gas Electricity Energy Production plant in Istanbul, which became Europe's largest plant and took place in the top ten of the world.

Turboden supplies the ORC technology to produce 7 MW in addition to the current electric production into the two landfills:

- The first one, **Odayeri** power plant, generates 45 MW electric through 32 gas engines in a total area of 50 hectares, exploiting 40 Million Tons of waste. Turboden provides 2 ORC units of 2.3 MW electric each, increasing the total installed capacity to about 50 MWe.
- The second one, **Komurcuoda** power plant, produces 17 MW electric through 12 gas engines in a total area of 40 hectares, exploiting 25 Million Tons of waste. Turboden provides here 1 ORC unit of 2.3 MW electric, increasing the total installed capacity to about 20 MWe.

The **total electric power production** of the Landfill plants through the ORC systems will be **7 MWe**.

Ortadoğu Enerji plant is the third Turboden reference in landfills: the others are in Finland, a 1.9 MWe ORC unit, and in Italy, a 0.5 MWe ORC unit, for a total capacity of 9 MWe.

Turboden has realized in Turkey 8 plants in biomass, waste to energy and geothermal applications, with a total power production of 30 MWe.

In 2015 Turboden established a local subsidiary company in Turkey, Turboden Turkey ORC Turbo Jeneratör Sanayi Anonim Şirketi, aimed at locally producing components of the ORC system in order to give its customers access to the local content related incentives provided by the Turkish Government for renewable energy generation.

Turboden Turkey ORC Turbo Jeneratör Sanayi Anonim Şirketi takes also care of onsite works and allows to offer a superior after-sales assistance in Turkey.

Turboden, a Mitsubishi Heavy Industries company, is an Italian company and a global leader in the design, manufacture, and after-sales of Organic Rankine Cycle (ORC) turbogenerators, which harness heat to generate electric and thermal power from renewable sources, including biomass, geothermal and solar energy and waste heat from industrial processes, waste incinerators, engines or gas turbines. Turboden has more than 334 plants in 35 countries and offers turbogenerators from 200 kWe to 20 MWe. www.turboden.com

Ortadoğu Group, which commenced its commercial life in the construction and logistics field in 1981, have managed to fit many successful projects and investments both within Turkey and globally in their history of over 30 years. Ortadoğu Group has permanently changed the quality level in the private sector's health practices in Turkey with its "Memorial Hospital" project. **Ortadoğu Enerji** which began work within the body of Ortadoğu Group in 2007 began production work in the energy sector with the Landfill Gas Electricity Energy Production plant in Istanbul in 2009 which became Europe's largest plant and took place in the top ten of the world.