

CLOSE COOPERATION BETWEEN STRABAG AND EXERGY IN THE FIELD OF GEOTHERMAL ENERGY

- *Development and construction of turnkey geothermal power plants with ORC technology (Organic Rankine Cycle)*
- *All services from a single source*
- *Important contribution to the energy transition*

Olgiate Olona, 04 May 2022 – EXERGY International Srl and STRABAG Umwelttechnik GmbH with its plant engineering and construction division from Dresden, Germany, agreed upon a **far-reaching partnership** for the development and realization of **turnkey geothermal power plants with ORC technology** (Organic Rankine Cycle). From process design, approval management and engineering to construction, manufacture of key equipment, delivery, assembly and commissioning, to long-term service contracts and the operation of plants - STRABAG and EXERGY pool their competencies and strengths to offer the complete range of services for the turnkey construction of ORC power plants.

The initial aim is the development of **joint projects** and the significant **expansion of market shares in Germany**, one of the largest and dynamically growing markets for geothermal power plants in Europe. STRABAG has great expertise in the implementation of environmental technology systems of various types and sizes and has already built a turn-key geothermal power plant with ORC technology in Garching a. d. Alz for SILENOS ENERGY GmbH.

“With the generation of climate-neutral and base load energy, we can make an extremely important contribution to the energy transition in this country,” says **Thomas Büchner**, managing director of STRABAG Umwelttechnik GmbH. However, an expansion of the partnership to other markets, above all to central and south-eastern Europe, where STRABAG Group is well established, is also being considered in the medium term.

In the area of advanced **binary geothermal power plants**, EXERGY is the **world's second largest ORC plant provider** and can boast a project portfolio with around 450 MW of installed capacity. "We bring our mature technological competence into the cooperation, leveraging on the flexibility and efficiency of the Radial Outflow turbine we have developed and produced ourselves" explains **Marco Frassinetti**, sales director of EXERGY International Srl. “We see valuable opportunity to grow in the German market combining our expertise in binary technology with STRABAG’s EPC (Engineering, Procurement & Construction) capabilities”.

EXERGY INTERNATIONAL Srl is a leading company in the design, engineering, manufacturing of Organic Rankine Cycle (ORC) systems with the pioneering Radial Outflow Turbine technology. EXERGY's proprietary technologies, covered by a number of patents, allow for highly efficient energy production via the exploitation of heat sources from geothermal, waste heat from industry, biomass and concentrated solar power. EXERGY portfolio counts around 500 MWe and the second largest geothermal binary fleet worldwide. EXERGY is a part of Chinese TICA Group, a leading integrated system and service provider in HVAC. From the headquarters in the north of Italy (Milan), EXERGY export and implement its technology worldwide with a particular focus on high growth potential markets. Website: <http://exergy-orc.com/>

STRABAG Umwelttechnik GmbH is a subsidiary of STRABAG SE, a European-based technology partner for construction services with over 75,000 employees and a leader in innovation and financial strength. We bring together STRABAG's extensive expertise in the remediation of contaminated sites and land recycling, environmental plant construction, complete landfill construction services as well as special environmental processes and responsible handling of disposal and material flow management. Visit us at www.strabag-umwelttechnik.com.

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Images:



Geothermal power plant, Garching a.d. Alz, Germany – copyright Strabag



Exergy's project of 24 MWe Geothermal Power Plant, Germencik, Turkey