



EXERGY SIGNS NEW CONTRACT WITH EDC FOR MAHANAGDONG GEOTHERMAL POWER PLANT IN THE PHILIPPINES

- ***The project will deliver 28 MWe through a brine recovery ORC unit to ramp up the capacity of the existing steam power plant***
- ***With this second repeated order following the Mindanao 3 project Exergy strengthens its partnership with EDC and support the company's decarbonization goals***

Varese, Italy August 3rd 2023 – EXERGY INTERNATIONAL, a global provider of clean energy technology, leader in new generation geothermal ORC power plants, has signed a new contract with **Energy Development Corporation (EDC)** for the supply of a 28 MWe binary system in Leyte, Eastern Visayas, Philippines. The project will be an expansion of the **Mahanagdong** 180 MWe single flash power plant, exploiting the available unused brine to produce additional electricity without requiring any geothermal field development.

The new power plant will utilize Exergy's advanced ORC technology equipped with Radial Outflow Turbine providing high efficiency and reliability, thus maximizing geothermal resource exploitation. Exergy is in charge of the design and supply of the complete technological solution and relative equipment. The ORC design consists of a two-pressure level cycle with 2 turbines coupled to a single generator and a water-cooled condensing system with cooling towers. It includes a brine acid dosing system to guarantee its appropriate exploitation without risks on the resource, and a DCS control system which will control the whole new power plant and will be integrated in the EDC control system architecture.

The construction will be executed by **JGC Philippines Inc.** acting as EPC contractor in partnership with Exergy. JGC Philippines has been providing EPC and operation and maintenance services in the Philippines for over 30 years. With a remarkable track record and strong execution capabilities they will be a key partner to Exergy in the project.

Once in operation the power plant will contribute to significantly reduce CO₂ emissions by delivering clean, reliable and stable geothermal energy, available 24/7 to local communities and industries.

This is the second order awarded to Exergy by EDC after the successful completion of the Mindanao brine recovery project in 2022. It is an important confirmation of a valuable business partnership started between the companies, as **Luca Pozzoni**, General Manager of Exergy International underlines:

"We are honored we have been once again preferred by EDC for the Mahanagdong power plant execution. This new order gives us the opportunity to continue a fruitful collaboration, contributing to EDC's mission for a decarbonized future." He continues: *"I want to congratulate my team on their commitment and hard work for the achievement of this target project, and **Marco Frassinetti**, who personally led the development of all the activities since the beginning. This is an important reference in our portfolio that will help us to expand our business in the Asia Pacific region, an area with a significant geothermal potential still unexploited, where Exergy is investing resources and efforts to further develop its presence".*



About Energy Development Corporation

EDC is a global diversified renewable power company. As the world's largest vertically integrated geothermal company and a leader in the Philippines renewable energy industry, EDC has a portfolio of geothermal, hydropower, solar, and wind power assets totaling almost 1,5 GW of installed capacity. With geothermal as its primary source of power, EDC's 1,185.40 MW provides around 61% of the country's total installed geothermal capacity.

ABOUT EXERGY INTERNATIONAL SRL

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

PRESS CONTACT

EXERGY INTERNATIONAL
Sara Milanesi
Marketing & Communications Manager
Ph: +39 0331 1817620
Mobile: +39 3666012588
s.milanesi@exergy.it