

PRESS RELEASE

INNIO's Jenbacher Engines to Power Brazil's World-Renowned Instituto Butantan, supporting COVID and Other Vaccines Production

- INNIO to provide six Jenbacher J612 engines for combined cooling, heat and power generation
- Jenbacher trigeneration system will provide self-production of energy and contribute to reducing CO₂ emissions
- Butantan project will be the largest trigeneration power plant in Sao Paulo city

SAO PAULO, Brazil – December 14, 2022 –INNIO Group (INNIO*) announced today that it will supply six Jenbacher J612 engines for a trigeneration plant, producing electricity, warm water and cooling for the Instituto Butantan. The project was developed with Union Rhac, which will lead the development of the new combined cooling, heat and power (CCHP) plant, cooperating with Butantan and INNIO. The plant will generate about 12 megawatts (MW) of electrical power and about 6 MW of thermal power.

Instituto Butantan is working to prevent diseases like COVID-19, influenza, tetanus, hepatitis, and more. INNIO's energy solutions contribute to enhancing the security of electricity supply, with thermal energy being used for district heating. The flagship project will reduce CO₂ emissions by up to 30% compared to the diesel solution.

"INNIO's Jenbacher engines will make Instituto Butantan independent from the grid and enable the scientific center to self-produce its power, heat and cooling," said Dr. Olaf Berlien, president and CEO of INNIO Group. "Our trigeneration solutions accelerate a sustainable, resilient, and affordable energy supply that fits excellently with Butantan's energy strategy and empowers the production of life-saving pharmaceuticals."

"Geographically, Instituto Butantan is located in an extremely remote location, often referred to as the 'end of the line', where frequent power interruptions occur. However, as a pharmaceutical company, Butantan requires a secure energy supply to be able to operate when there is grid intermittency. With INNIO's excellent reputation as a proven energy solution and service provider across Brazil, Butantan selected INNIO's flexible, scalable and resilient Jenbacher engine technology," says Dimas Covas, Chairman of the Board of Trustees of the Butantan Foundation.

With 121 years of history, Butantan works to prevent diseases like Covid-19, flu, tetanus, diphtheria, hepatitis A and B, chikungunya, whooping cough, dengue, HPV, and rabies. In 2021, Butantan produced 100 million doses of the Covid-19 vaccine, 80 million doses of the flu vaccine, 28 million doses of vaccines against hepatitis A and B, HPV, DTaP and rabies, and 560 thousand units of serums against venoms, bacterial toxins, and the rabies virus. Instituto Butantan is the main producer of immunobiologicals in Brazil.

INNIO's energy solutions will enable Instituto Butantan to generate and manage energy sustainably while navigating the fast-changing landscape of traditional and green energy sources.

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About INNIO Group

INNIO Group is a leading energy solution and service provider that empowers industries and communities to make sustainable energy work today. With its product brands Jenbacher and Waukesha and its digital platform myPlant, INNIO offers innovative solutions for the power generation and compression segments that help industries and communities generate and manage energy sustainably while navigating the fast-changing landscape of traditional and green energy sources. INNIO is individual in scope, but global in scale. With its flexible, scalable, and resilient energy solutions and services, INNIO enables its customers to manage the energy transition along the energy value chain wherever they are in their transition journey.

INNIO is headquartered in Jenbach (Austria), with other primary operations in Waukesha (Wisconsin, U.S.) and Welland (Ontario, Canada). A team of more than 4,000 experts provides life-cycle support to INNIO's more than 55,000 delivered engines globally through a service network in more than 100 countries.

In March 2023, INNIO's ESG rating ranked first out of more than 500 companies worldwide in the machinery industry assessed by Sustainalytics.

For more information, visit INNIO's website at www.innio.com. Follow INNIO Group and its brands on [X \(formerly known as Twitter\)](#) and [LinkedIn](#).

About Jenbacher – an INNIO Group brand

INNIO Group's Jenbacher energy solutions range from standalone generator sets to complete solutions for power generation, cogeneration, and trigeneration. Ranging in power from 250 kW to 10.6 MW, Jenbacher engines are paving the way for the global transition to net zero by running on a broad range of energy sources, from pipeline gas to hydrogen. These include renewable green hydrogen and other renewable gases such as biogas, biomethane, landfill gas, and sewage gas, as well as special gases such as syngas.

With more than 65 years of continuous innovation, Jenbacher technologies enable efficient on-site generation of power, heating, and cooling. Jenbacher solutions are applied in a variety of commercial, industrial, and municipal applications.

More than 25,000 Jenbacher engines have been delivered to about 100 countries. The Jenbacher global fleet is supported with class-leading services directly from Jenbacher experts and through an extensive distributor network. Most Jenbacher technology is innovated and produced in Jenbach (Austria), the headquarters of INNIO.

For more information, visit INNIO's website at www.jenbacher.com. Follow INNIO Group and its brands on [X \(formerly known as Twitter\)](#) and [LinkedIn](#).

JENBACHER

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