



TPS Win Contract to Supply Ultra-Efficient Permanent Magnetic Generators to Anax Holdings LLC

Turbo Power Systems Ltd (TPS) is delighted to announce that it has signed a contract with US-based, Anax Power (Anax) for the design, manufacture, test and supply of high speed, Permanent Magnet Generators (PMG) that utilize active magnetic bearings.

Drawing on their impressive and successful track record, TPS has designed a bespoke high-speed generator for integration with the Anax Turboexpander (ATE). The ATE is a packaged turbine designed to generate electrical power from the flow and pressure let-down of natural gas at pressure regulating stations. The resulting system generates clean, distributed power that can be used on-site, sold to the electricity grid, or utilized in a variety of remote-power applications.

The TPS PMG offers elite power conversion efficiency, and its high-power density enables a lightweight, compact system design. The robust PMG generator uses active magnetic bearings to enable high-speed, high-reliability operation with a low maintenance requirement due to the contactless nature of the magnetic bearings. This configuration enables seamless integration with the Anax Turboexpander across a wide range of pressure let down opportunities which is critical to Anax’s value proposition.

Nigel Jakeman, Engineering and Business Development Director at TPS comments, “We are thrilled to be working with Anax on this exciting and ground-breaking program; we have been working toward providing a suitable and robust technical solution to meet their challenging requirements for some time. As we move forward, energy efficiency continues to be one of the most pressing issues we face as an industry and our focus is to understand how we can improve and innovate our current and future products to be more energy efficient and provide both the fiscal and carbon saving solutions that our customers require. We look forward to delivering this novel generator solution and in doing so developing a mutually prosperous relationship with Anax.”

TPS will deliver this project from their impressive 50,000sq. ft. manufacturing facility based at their headquarters in Gateshead, UK.

----- **PRESS RELEASE ENDS** -----

About Turbo Power Systems

TPS is a world class specialist supplier of innovative power and energy conversion solutions for Transportation, Energy, Industrial and Defence markets. TPS offer design, development, qualification and manufacturing of high-speed permanent magnet machines and power electronics, from kW to multi MW and from 3,600 rpm to 160,000 rpm. TPS also offer complete turnkey support - design, manufacturing to installation and through life support of products.

TPS is a global company with successful project execution in UK, USA, Canada, Netherlands, Turkey, Brazil, China, Middle East and Malaysia.

About Anax Power

Anax Power generates clean power from natural gas with its patented turboexpander generator. The Anax Turboexpander uses the pressure and flow of natural gas to spin a turbine and generate clean, distributed power for natural gas pipeline operators, natural gas power plants, large industrial users of natural gas and power, and certain well operators.

Anax is based in New Jersey, USA, with offices in California and Ireland.



PRESS RELEASE

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