News Release

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Parker Hannifin to launch "Hybrid Actuation Systems" for Renewable Energy Applications -

Parker to have live demonstration at Power GEN international Booth #2925

Des Plaines, IL- Dec 7, 2015– The Industrial Cylinder Division of Parker Hannifin, the global leader in motion and control technologies, will be highlighting its recently launched hybrid actuation system for renewable energy actuation applications, like those used in solar PV panels, wind turbines and hydro-electric dams.

The new hybrid design optimizes the best features of traditional technologies, combining controllability of electromechanical actuators with the power density, longer life, and resistive force capabilities of traditional hydraulic systems. The resulting hybrid offers a robust, long-life tracking solutions for solar power, and actuation systems for wind and hydro and other renewable energy systems as well as fossil fuel applications.

Parker HAS actuators offer low cost, ease of maintenance and durable choice for large and small arrays. Hybrid hydraulics achieve exceptional economies of scale, with the ability to move over a megawatt from a single point.

This high efficiency, modular system allows for various traditional cylinder mounting configurations and stroke lengths, and the hybrid design is a fully self-contained system, with no hydraulic hoses or power units. Also, serviceability is built into the design, in that, the system can be serviced on site, with simple line of use replacement allowing for quick change out in the field. The system features two wire operation, and is available with AC and DC supply voltages.

An additional benefit of the Hybrid Actuation System is that it can be configured with an integrated Intellinder™ sensor (also available on Parker's hydraulic, pneumatic or electromechanical actuator), The Intellinder sensor eliminates the time and cost associated with gun drilling, as well as unprotected external sensors with complex linkages. Cylinder feedback installation is virtually plug-and-play. Intellinder-enabled cylinders include hydraulic, pneumatic and electro-mechanical designs that are rugged, and engineered to sustain performance in harsh environment power gen actuation applications like solar fields and wind farms as well as fossil fuel applications. Intellinder-enabled cylinder and hybrid actuation systems sustain performance in harsh application environments exposed to vibration, dust, gravel, corrosives, chemicals, axial and side loads and immersion, and have an extreme temperature rating (-40° to 221° F, 40 to 105 C)

Parker will be demonstrating the Hybrid Actuation System, integrated with Intellinder sensor at Power Gen International in a solar panel – at Parker's Stand #2925. Hybrid Actuation systems and cylinders are available from Parker's Industrial Cylinder Division. For more information, please visit http://solutions.parker.com/PowerGen2015

About Parker Hannifin
With annual sales of $13 billion in fiscal year 2014, Parker Hannifin is the world's leading diversified manufacturer of motion and control technologies and systems, providing precision-engineered solutions for a wide variety of mobile, industrial, and aerospace markets. The company employs approximately 57,500 people in 50 countries around the world. Parker has increased its annual dividends paid to shareholders for 58 consecutive years, among the top five longest-running dividend-increase records in the S&P 500 index. For more information, visit the company's web site at http://www.parker.com, or its investor information web site at http://www.phstock.com.

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