

# Alternative Power Report

August 30, 2022

## News on Alternative Power Sources



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### Moving from ICE To Alternative Power

As manufacturers continue to shift their equipment production from ICE to alternative power sources, they need the latest information. That's why analysts at Power Systems Research continue to revise our global data and forecasts to provide the freshest picture available.

## Tesla Offers Super Lounges

### Partners with bk World at Supercharger Stations To Add Services

Tesla has linked up with bk World to provide its Supercharger stations to offer services to customers while their vehicles charge. Tesla has been trying to deploy its Supercharger stations at properties that include amenities that offer food, coffee, and restrooms, but that is not always easy. At a few locations, Tesla has deployed its own lounges to offer those amenities, including one test site in Germany which even has a swimming pool, and another has a restaurant.

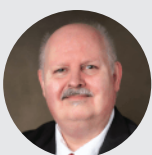
**Source:** *Electrek* [Read The Article](#)

**PSR Analysis:** With over 300 lounges planned in Europe, Tesla is trying to make the recharge wait time more enjoyable for customers, and at the same time generate another revenue stream. Providing customers with activities while they wait could encourage charger use and could develop charging stations into a destination location like selling customers of IKEA meatballs when they visit a store. Anything to help relieve the boredom of a charge waiting time that can run to an hour or more is an improvement. **PSR**



*Editor's Note:* This material has been reproduced from the Alternative Power Report, written by Guy Youngs which appeared in the August issue of PowerTALK News. The monthly feature includes news and analysis about EV and power sources such as batteries and fuel cells.

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### CONTACT US

New power source installations vary across industry segments, contact PSR for data on your specific application needs.

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## BMW Keen on Hydrogen Fuel-cell EVs

BMW remains primarily focused on electrified combustion engines and battery electric cars, but it is adamant that hydrogen FCEVs (Fuel Cell Electric Vehicles) will play a part of its transportation package. A limited batch of hydrogen-fueled BMW X5s soon will enter production, and the company says it is already planning for the next model with FCEVs making their way into its 2025 next-generation electric vehicle portfolio

**Source:** *H2 Energy News* [Read The Article](#)

PSR Analysis: This moves BMW into the Toyota/Hyundai camp supporting FCEV, with Tesla and VW being firmly in favor of battery-powered Electric Vehicles only. BMW is developing its position so that it can offer a full range of alternative power vehicles and meet customer demand whichever way it goes. **PSR**

## Australian Solar Park Could Generate Hydrogen for Less Than \$2/kg

Frontier Energy conducted a pre-feasibility study (PFS) at its Bristol Springs Solar project in Australia to show that it has the potential to be a low-cost green hydrogen producer, with power sourced from the company's planned first stage 114 MW DC solar farm. The solar would power a 36.6 MW alkaline electrolyser, producing an estimated 4.4m kilograms of green hydrogen per year.

**Source:** *PV Magazine* [Read The Article](#)

PSR Analysis: With green hydrogen costs being around \$3/kg to \$6.5/kg, production of green hydrogen at this cost significantly boosts the use of hydrogen as a fuel for either Hydrogen ICEs or FCEVs. It also closes the price gap with dirty hydrogen which is generated using fossil fuels. Dirty hydrogen costs around \$1.8 per kg, according to S&P Global. **PSR**



## BorgWarner Buys EV Charging Company To Boost Growth

Global auto supplier, BorgWarner has announced it is buying EV charging company Rhombus Energy Solutions. The deal will boost its EV charging presence in North America while adding to its European market and will accelerate its charging business by leveraging its existing capabilities. This is the latest in a round of EV related acquisitions the company has made. In August 2021 it took control of AKASOL, (a German EV battery company) and in March 2022, BorgWarner acquired 100% of Santroll Automotive Components (a light vehicle eMotor business).

**Source:** *Electrek* [Read The Article](#)

PSR Analysis: This acquisition will generate good revenue for BorgWarner and continues their move into this market. It's also a good example of the many acquisitions that OEMs are making into the broad arena of electric power as they see future opportunities. Other recent examples include: Nikola acquiring Romeo Power to bring its battery supply inhouse, Terex investing in Acculon Energy, and Cummins acquiring Meritor (Cummins believes eAxles will be a critical integration point within hybrid and electric drivetrains). **PSR**



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## About Power Systems Research

Power Systems Research (PSR), established in 1976, is the leading source of data, analysis and forecasting on the global production of engines and engine-powered equipment, including class 8 vehicles. One of its databases, EnginLink,™ includes production figures down to the model level for OEMs in key market segments, such as commercial vehicles. PSR's global research network includes eight offices and stretches across 200 countries and four continents.



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