

Solar Frontier Surpasses 3 GW of Global CIS Module Shipments

Equivalent to 650,000 energy-independent Japanese households

Tokyo, July 23, 2015 – Solar Frontier, the world’s largest CIS solar energy solutions provider, has marked the significant milestone of shipping over 3 GW of its CIS modules worldwide to date. It has been 4 years since the first CIS modules were shipped from Solar Frontier’s 900 MW Kunitomi Plant in Miyazaki Prefecture, Japan, and 8 years since the company first commercialized its technology in 2007.

Solar Frontier has now shipped CIS modules directly to 47 countries around the world, and has proven their real-world performance in different environments. These range from Farasan Island in Saudi Arabia, where the temperature reaches 40°C, to Lithuania, where the temperature can be as low as -20°C. Solar Frontier’s biggest CIS project, the 82.5 MW Catalina Power Plant in the USA, is also the world’s largest CIS installation, and was recognized this month as the winner of the Intersolar North America Project of the Year Award.

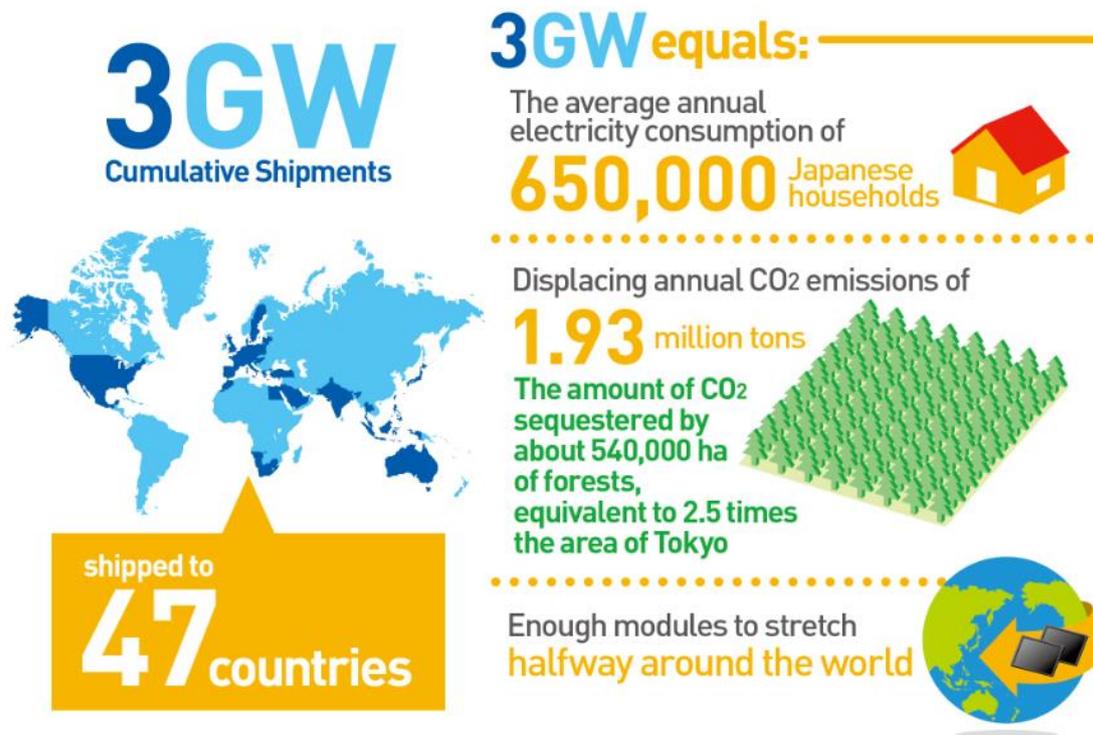
To give some sense of the scale that 3GW represents, this amount of CIS modules would generate the equivalent of 3679 GWh¹, which could completely power 650,000 households in Japan, Solar Frontier’s home market. It is also the equivalent of displacing 1.93 million tons of CO₂ emissions per year, the same amount of CO₂² sequestered by about 540,000 ha of forests².

3 GW in shipments is equally a milestone for Solar Frontier’s factories. Representing about 20 million modules, Solar Frontier’s factories have now produced enough modules to reach halfway around the world if laid end-to-end.

Looking to the future, Atsuhiko Hirano, President and CEO of Solar Frontier commented: “Solar Frontier is now building on its 3 GW shipment achievement, supplying CIS modules to more homes and businesses, as well as developing utility-scale power plants around the world. We are working to drive adoption of CIS technology so our customers have more choice to build cleaner businesses and more comfortable lifestyles anywhere in the world.”

¹ Assuming a 14% capacity factor, Japan average site conditions.

² Assuming 524.0g-CO₂/kWh, 1 ha of forest can absorb 0.974t-C/year



About Solar Frontier

Solar Frontier K.K., a 100% subsidiary of Showa Shell Sekiyu K.K. (TYO:5002) (“Solar Frontier”), has a mission to create the most economical, ecological solar energy solutions on Earth. Building on a legacy of work in solar energy since the 1970s, Solar Frontier today develops and manufactures CIS (denoting copper, indium, selenium) thin-film solar modules for customers in all sectors around the world. Solar Frontier’s gigawatt-scale production facilities in Miyazaki, Japan, integrate compelling economical and ecological advantages into every module: from lower energy requirements in manufacturing to the higher overall output (kWh) of CIS in real operating conditions. Solar Frontier is headquartered in Tokyo, with offices in Europe, the U.S.A., and the Middle East. Visit www.solar-frontier.com for more information.

About Showa Shell Sekiyu K.K.

Showa Shell Sekiyu K.K. is listed on the Tokyo Stock Exchange and has roots dating back more than 100 years in the downstream energy business.

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