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Strategic Power Solutions (SPS) is a solely owned Ghanaian solar manufacturing company that offers a complete range of green, clean energy solar products that serves as complete power solutions to Ghana and the West African sub-region.

SPS was founded by the Board of Strategic Security Systems International Limited (3Sil) Group, an independent services conglomerate already active on the Ghana Solar market. SPS specializes in the manufacturing of PV panels, design and install, commercial and domestic sector; the first of its kind in Ghana and the West African Sub region.

We are also in the BIPV, EPC and IPP independent power production and providing turnkey solutions to large scale industrial sector. SPS is also holding its own branded secondary solar system which includes solar inverter from 800watts to 10kilowatts power, charge controllers, PV combiners and battery bank.

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For a country that caps solar energy project sizes to just 20MW and only had its first major utility-scale project come online this year, Ghana's announcement of a 30MW module manufacturing facility outside the capital city of Accra turned more than a few heads this year.

The factory and equipment alone cost nearly US\$10 million, but with the site, buildings and support infrastructure included it required US\$30-50 million total investment while marking a major step forward for solar manufacturing in Africa.

PV Tech went to visit the factory, which was developed by Accra-based developer Strategic Power Solutions (SPS), a subsidiary of Strategic Security Systems International (3SIL), an independent Ghanaian conglomerate specialising in the procurement of solar products.

3SIL started out in the solar industry by procuring and installing solar street lights, before looking to branch into local production and various other applications of solar technology. While the firm has begun with engineering solar panels, it also aims to produce energy storage batteries and inverters in Ghana in the future.

To date, SPS and 3SIL have been completely privately financed and they have 100% equity in the company and its subsidiary with no debt, but they are looking to find cheaper ways of financing their operations.

"We are looking for operating capital to pre-finance certain aspects of our operation and also to give us an advantage in terms of dealing with our distributors, who may not be as well capitalised," adds



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Obeng.

The site currently has two laminators, one automatic stringing machine and one layer machine capable of 30MW per year on three shifts, but by adding two more laminators and a stringing machine, the facility could reach another 30MW with further room to optimise at around 80MW.

This is the first PV manufacturing plant in Ghana and with the exception of two plants in South Africa and another in Kenya, it stands out as a pioneering project in Sub-Saharan Africa, adds Khurram Bahar Khan, SPS general manager.

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