



Synopsis

The CGPP Starken Solar Photovoltaic (PV) Power Plant is a utility-scale renewable energy facility located at Simpang Empat Semanggol, Perak, Malaysia. Developed under Malaysia's Corporate Green Power Programme (CGPP), the project supports the nation's commitment towards increasing renewable energy penetration and reducing carbon emissions through sustainable power generation.

The facility is owned by Starken Solar Sdn. Bhd. and operated and maintained by Powertrack Sdn. Bhd. The plant achieved its Commercial Operation Date (COD) on 26 February 2026 and is designed with an installed export capacity of 10 MWac.

The solar farm occupies approximately 14.21 hectares and incorporates modern photovoltaic technology to maximize energy production and operational efficiency. The generated electricity is exported through a dedicated 33kV interconnection to SSU Toyo Tyres, enabling the delivery of clean and sustainable energy under the Corporate Green Power Programme framework. The facility is equipped with an advanced Power Plant Controller (PPC) and Supervisory Control and Data Acquisition (SCADA) system, providing real-time monitoring, control, fault management, and performance analysis to ensure optimum plant operation and compliance with grid requirements.

The project incorporates comprehensive meteorological monitoring facilities, communication infrastructure, protection systems, and medium-voltage equipment to ensure safe, reliable, and efficient operation throughout its lifecycle. Through the implementation of industry best practices in operation and maintenance, the facility is capable of delivering consistent energy performance while maintaining high standards of safety, reliability, and environmental stewardship.

As part of Malaysia's renewable energy transition, the CGPP Starken Solar PV Power Plant contributes towards the national sustainability agenda by generating clean electricity, reducing greenhouse gas emissions, and supporting the country's long-term energy security objectives.

Technical Visit STARKEN SOLAR SDN BHD



25 July 2026 (Sat)



8.30am – 12.30pm



**Sebahagian Lot 4868 & Lot 4869,
MK Gunong Semanggol, Perak**

<https://maps.app.goo.gl/cu8HuQcGVUURBaHJ9>

Participants are required to
arrange own transportation

Coordinator:

Ir. Wong Jian Choon

Contact No: 016-477 5227



BEM CPD Hours: 3

Ref: IEM26/PG/282/V

IEM Members:	RM30
Non-Members:	RM60

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Time	Details
08.30am - 9.00am	Arrival of IEM Delegates
9.00am- 9.10am	Introduction of The Institution of Engineers, Malaysia (IEM)
9.10am -10.30am	Company Overview & Technical Presentation on Solar Farm
10.30 - 12.00pm	Solar Farm Site Visit lead by host
12.00pm - 12.30pm	Q&A, Closure, Appreciation & Group photo

Technical Visit

Starken Solar Sdn Bhd

Special Note:

Kindly be informed that Starken Solar practices safety measure during the site visit:

- All participants are required to bring and wear their own Personal Protective Equipment (PPE), including:
 - Safety helmet
 - Safety boots, safety glasses, gloves (if required)
 - Sun protection (hat, sunscreen, long-sleeve shirt)
 - Drinking water (prevent dehydration)
 - Identification Card (to present at site gate for registration)

All visitors must comply with the safety instructions issued by the officers in charge and adhere to all on-site signage at all times.

- Starken Solar and IEM shall not be held responsible for any incidents that may occur during the site visit.
- The access road within the site is relatively narrow, participants are advised to arrange their own transportation to and from the site. Starken Solar and IEM shall not be liable for any loss or damage incurred.
- **This technical visit is strictly exclusive for IEM members who pre-registered for the visit only. NO REPLACEMENT IS ALLOWED.**

Location Plan:



Location Link:

<https://maps.app.goo.gl/cu8HuQcGVUURBaHJ9>