



PRESS RELEASE

Kuala Lumpur, 9 July 2021

MHB Powers up Operations with Solar Panels – Represents Malaysia’s Largest Rooftop Solar Installation in a Single Compound

Malaysia Marine and Heavy Engineering Holdings Berhad (MHB) has announced that its operation yard, namely MMHE West, in Pasir Gudang, Johor is now powered by solar. This is following the completion of rooftop solar photovoltaic (PV) panels installation by M+ by PETRONAS, the solar solution brand of PETRONAS, where the agreement will run for 21 years until 2042.

The completion of the solar PV panels installation was commemorated via a virtual launching ceremony earlier today which was graced by Dato’ Asman Shah Abd Rahman, Mayor of Pasir Gudang City Council. Also present during the event were Pandai Othman, Managing Director & Chief Executive Officer (MD & CEO) of MHB and Adnan Zainal Abidin, Executive Vice President & CEO (EVP & CEO) of PETRONAS Gas + New Energy.

The Memorandum of Understanding (MoU) was signed back in 2019 when the solution was launched with MHB as one of the first corporations to undertake PETRONAS’ Zero Capital Expenditure (CAPEX) Model offered by M+ by PETRONAS, the company’s flagship solar rooftop solution.

The installation of this 8.3 megawatt peak (MWp) solar rooftop at MMHE West represents the largest rooftop solar installation in a single compound within Malaysia.

The 18,720 units of solar PV panels with a total size of 440,496 square feet (sq ft) will provide energy for 8 buildings at MMHE West. These panels collectively generate an estimated 10,000-megawatt hours (MWh) of clean energy each year. This subsequently translates to a reduction of an approximate 6,286 tonnes of carbon emissions into the atmosphere annually. This amounts to 132,000 tonnes of carbon emissions reduced throughout the 21 years which is equivalent to planting 2 million trees.



The power generated from the solar PV panels is sufficient to light up 725 double-storey homes for a full year. It is estimated that RM30 million will be saved in electricity bills in 21 years.

MD & CEO of MHB, Pandai Othman said, “We are proud to embark on this with PETRONAS under their new energy segment as part of MHB’s sustainability efforts. With this in place, we will now be utilising clean and renewable energy for our operations and reducing our carbon footprint.

As part of our mission to protect and preserve the environment and thus create a positive difference to the lives of the people, our efforts are not only for the profit of the Company, but for the benefit of all. We embrace and assume our responsibility in ensuring a sustainable world for the present and future generations.

Aside from the installation of solar PV panels, we also have other environmental sustainability efforts in place which we are currently intensifying, including energy saving, waste management and water conservation. On the business side, we acknowledge the dynamics of the energy industry and have expanded our strategies in exploring opportunities in renewable energy sector which include the construction of offshore wind farm structures. To date, we have established partnerships with various international engineering solutions providers for that purpose.”

EVP & CEO of PETRONAS Gas + New Energy, Adnan Zainal Abidin said, “Through the rooftop solar installation at MMHE, we effectively introduce a new source of energy that helps transform MMHE’s electricity mix to be more environmentally-friendly and highlights the real possibilities for clean energy to be used to power heavy and energy-intensive industries.”

“Importantly, the effort to solarise MMHE West Yard forms a part of PETRONAS’ transformative journey towards Net Zero Carbon Emissions by 2050, whereby we identify suitable internal assets owned by PETRONAS and its associates to grow the use of clean energy across PETRONAS Group of Companies,” Adnan added.

Key info, specifications and capacity of Solar PV Panels Installation

Key Info & Specifications of the Solar PV Panels Installation

- **Total Solar Panels:** 18,720
- **Size of the Solar Panel (Area):** 440,496 square feet
- **Solar Rooftop Capacity:** 8.3MWp
- **Design Life:** 21 years
- **Clean Energy Generated Annually:** 10,000MWh
- **Clean Energy Generated in 21 years:** 197,000MWh
- **Estimated Savings:** RM30 million saved in 21 years

Total Solar Panels

18,720
units

Size of the Solar Panel (Area)

440,496
square feet

Maximum Potential Output of Power

8.3
MWp



Clean Energy Generated Annually

10,000
MWh

Clean Energy Generated in 21 years

197,000
MWh



Reduce **6,286 tonnes** of carbon emissions annually, equivalent to the impact of taking more than **1,000 5-seater sedans** that each drives around **18,000km** off the road per year.



Reduce **132,000 tonnes** of carbon emissions throughout the 21 years which is also equivalent to **planting 2 million trees**.



Able to light up as many as **725** units of double-storey homes for a full year



MHB is a constituent of the FTSE4Good Bursa Index Series since year 2014



FTSE4Good

References

1. MWp – megawatt-peak
2. MWh – megawatt-hour
3. km - kilometre
4. sq ft - square feet



About MHB

Malaysia Marine and Heavy Engineering Holdings Berhad (MHB) is a globally trusted energy and marine solutions provider for a wide range of heavy engineering facilities and vessels.

MHB has more than 40 years of track record in delivering integrated and complex solutions to international oil & gas clients. We are recognised for our global expertise in deepwater support services, offshore conversion services and LNG vessel repair and dry docking. MHB also owns and operates a regional Centre of Excellence – a learning centre that produces technically expert workers for the industry.

Backed by an exceptional track record, a highly skilled workforce and world-class facilities, MHB is able to provide innovative solutions to meet the complex demands of the energy industry - safely, on time and within cost.

- Full range EPCIC services for heavy engineering construction
- Complete offshore conversion facilities works in one location
- Comprehensive marine repair, refurbishment, upgrading and life extension of vessels and rigs

For more information, kindly contact MHB Corporate Communications:

Nor Mariam Mohd Nazir

Tel: +603 2275 3948

Hp: +6012 341 9494

Email: nor.mariam@mmhe.com.my

Farah Nabilah Mohd Azman

Tel: +603 2275 3860

Hp: +6011 2634 2915

Email: farah.nabilah@mmhe.com.my