



SUCCESS STORIES

Going Green with Solar Energy

Nastah Industries Sdn. Bhd.



Year Established
1987



Prai,
Pulau Pinang



Total Employees
180

SPECIALISATION: Production of high-quality latex rubber gloves for general household and industrial use, including Household Rubber Gloves, Chemical Resistance Nitrile Gloves, Heavy Duty Rubber Gloves and Food Processing Rubber Gloves

EXPORT MARKETS: Multiple industrial sectors in over 50 countries worldwide within the Northern American, European, Middle East and Asian markets, including the USA and Malaysia.

VALUE OF
FAGT GRANT

RM784,905.00 or **50%**
of the total project cost of
RM1,569,810.00

SIZE OF FACILITY: 15,000 square metres

Nastah Industries prides itself on its high-quality latex rubber gloves that meet the highest industry standards with strict supervision across all the manufacturing and finishing stages.

Recognising the environmental impact of its energy consumption during the

manufacturing and production stages, Nastah Industries initiated the installation of 1,420 Solar Photovoltaic (PV) Panels to increase its use of renewable energy sources and reduce reliance on fossil fuels. Solar is considered to be one of the most environmentally-friendly methods for generating electricity. In the long-term,

solar will also be more economical as it helps to reduce energy bills.

Commissioned in June 2020, this project aimed to achieve a specific yield of 1,420 kW p/kWh/year, and was expected to achieve a yield of 665,600 kWh AC of solar energy yield during the first year itself. Eventually, the project would enable Nastah to achieve a more balanced, cost-efficient and sustainable energy mix of solar energy to conventional energy.

Nastah successfully completed its solar project in January 2021 with results exceeding their initial expectations. The average solar energy generation and specific yield achieved was 4% above the target for July - December 2020.

However, solar energy contributed between 20% - 27% of its energy mix, below its initial target contribution of 27%. The reason? Overall electricity consumption surged as Nastah ramped up production in response to unprecedented demand for gloves worldwide due to the COVID-19 crisis.