



HEATING UP THE ECONOMY

The Electronics & Electrical sector in Malaysia has a strong foundation in semiconductors and industrial electronics. With the emergence of the Economic Transformation Programme (ETP), this National Key Economic Area (NKEA) is looking at emerging sectors such as photovoltaic technology (solar) and light emitting diodes (LEDs).

Working hand in hand with the Malaysian Industrial Development Authority (MIDA) and the four key regional clusters, these components will further spur Malaysia on its journey to become a high-income nation come 2020.

With 15 Entry Point Projects (EPPs), business opportunities and a solid baseline growth, this sector will contribute RM90.1 billion to the GNI of the country and create approximately 157,000 jobs by 2020.

Solar Power

With a strong start in solar and solid experience in the similarly structured semiconductor industry complemented by a rich supply of sunlight, Malaysia has a promising future in this particular technology.

The commitment from these projects will make Malaysia the third largest producer of solar cells after China and Germany. We already have companies across the entire value chain, from silicon production companies (Tokuyama Malaysia Sdn. Bhd.) to solar cell manufacturing (AUO SunPower Sdn. Bhd. and Q-Cells Malaysia Sdn. Bhd.) and module assembly (Flextronics Technology Malaysia Sdn. Bhd., First Solar Malaysia Sdn. Bhd. and SolarTIF Sdn. Bhd.).

An EPP within this NKEA seeks to grow solar wafer and cell producers in Malaysia. The manufacturing process requires sites suitable for hosting state-of-the-art equipment and clean rooms.

Objective

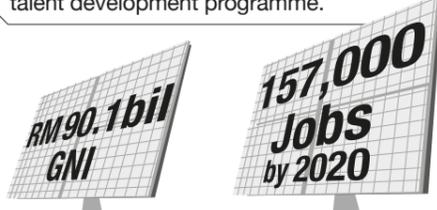
The objective is for Malaysia to become a major manufacturing location for solar modules serving domestic and Asian markets. With increased investment in this sector, Malaysia will be one step closer to its aspiration to be in the number two position behind China by 2020.

Enabler

MIDA will lead this investment supported by Invest Melaka, Penang Skills Development Centre (PSDC), Selangor Human Resource Development Centre (SHRDC) and SIRIM.

While the private sector is key to support the growth of solar wafer and cell manufacturing in the country, organisations such as Invest Melaka, PSDC and SHRDC, in partnership with the industry will introduce training courses in this area.

The Human Capital Development Strategic Reform Initiative is a critical enabler for this sector. Taking the lead is Akademi Teknologi Hijau of Melaka which has launched a green technology talent development programme.



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SHINING ONWARDS

AUO SunPower Sdn. Bhd. is a joint venture between Sunpower Corporation, a Silicon Valley-based manufacturer of high-efficiency solar cells, solar panels and solar systems and AUO, a Taiwan-based entity.

AUO Sunpower designs, manufactures and delivers the most powerful solar cells in the world, providing green, renewable energy solutions in virtually every sector of the economy, worldwide.

Its export market comprises of USA, Europe and Asia, where some of the highest solar panel users in the world are based.

This project will create about 4,000 high technology manufacturing and engineering jobs as well as support the future growth of small and medium industries and businesses within the supply chain of this sector.

World-class facilities

Based in Melaka and with an investment of RM2.2 billion, AUO SunPower is expected to generate more than 1,400 megawatts annually of high-efficiency solar cells when completed in 2013.

Its plant in Alor Gajah has been in operation since October 2010 with a 60 percent capacity and will produce 400 million high-efficiency solar cells annually on full capacity.

Recognised by the International Energy Agency for its energy efficient design, it is one of the biggest and greenest factories in the world.

This facility is a component of an EPP within the Electronics & Electrical NKEA to grow solar wafer and cell producers in Malaysia as part of the ETP.



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