LCMP Quarterly

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Success Story

Martin Emprex Textiles (Zhongshan-China) Limited is a subsidiary factory of Crystal Martin (Hong Kong) Limited, a member of Crystal International Group. It is located in Zhongshan, China, and specialises in the manufacture of intimate apparel products. Martin Emprex is committed to energy saving, reducing GHG emissions and promoting low carbon development. Martin Emprex joined LCMP in 2011 and received the platinum label in 2021.

Major carbon-reduction measures include:

- **Structure Energy Efficiency Dashboard (SEED)**

SEED is a building energy efficiency analysis software system, which helps analyse and evaluate energy consumption through data charts, reports and statistical analysis tools. It provides flexible design settings for maintenance plan set-up.

SEED helps Martin Emprex manage its centralised air-conditioning system, monitor the electricity consumption for lighting systems and production facilities, and provides feedback on water consumption data. The system helps the factory detect abnormal energy consumption patterns, embed best energy management practices in day-to-day operations, and improve energy efficiency by eliminating energy waste.

- **Automated Guided Vehicles (AGV)**

AGV robot system is an automated material receiving and dispatching system in factory's raw material warehouse. The system customarily collects and dispatches materials from designated point to point upon inputting command. Martin Emprex utilises AGV to improve productivity, reduce transportation distance, increase storage space, avoid human error and improve workplace safety.

- **Heat Recovery from Pre-shrinking Machine**

Waste heat generates from the Pre-shrinking machine will be recycled and to preheat water for boiler, this can save annual electricity consumption by about 18,000 kWh and reduce carbon emissions of about 9 tonnes respectively.

Automated Guided Vehicle (AGV) in Factory

Smart manufacturing is the new revolution that will mark the next generation of production.

Automation is becoming increasing popular in the manufacturing industry and provides the foundation for the creation of knowledge-embedded manufacturing operations.

The "Automated Guided Vehicle (AGV)" is one of the tools of factory automation. This robot can automatically carry pallets, racks and containers from one designated location to another. Benefits of wireless AGVs include enhanced delivery efficiency and plant safety, operational flexibility, reduced human error, better space utilisation, and better production and inventory control.

Martin Emprex Textiles (Zhongshan-China) Limited, one of the LCMP factories, has adopted an AGV system in their warehouse for enhancing the factory operations.

For more details, please visit:

LCMP New Posters

Bringing nature conservation into the workplace can have a positive impact on employee wellbeing. To align with WWF's mission, the LCMP team has launched a new set of posters with the main theme of safeguarding our natural environment. Key messages include water resources preservation, resources utilisation, sustainable living, work-life balance, blue skies and oceans protection, recycling facilities adoption and business in harmony with nature.

Exploring Mai Po

Known as Hong Kong's Bird Paradise, Mai Po Nature Reserve's wetland habitats including gei wai, mangroves, intertidal mudflats and reedbeds. The Reserve is an important stop-over for waterbirds.

WWF-Hong Kong organises guided visits to Mai Po Nature Reserve such as the "Exploring Mai Po" visit, that brings you to the interesting spots to experience its unique and wide range of local biodiversity.

For details and registration, please visit:

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