



SUCCESS STORIES

Duramitt: Cost and Energy Savings with a Biomass Boiler

Duramitt Sdn. Bhd.

Duramitt has successfully greened its manufacturing operations with the installation of its Biomass Boiler.



PROJECT COMPLETED: July 2021

TOTAL PROJECT COST

RM1,200,000.00
(actual)

FUNDING BY MRC

RM 600,000
(50% grant of the total project cost)

BENEFITS:

Biomass feedstock is sustainably sourced from biomass waste i.e. wood pellets

Percentage of energy cost savings - above 52% for the past 3 months

Proper disposal and management of other waste: waste from the boiler is used as fertiliser

Estimated reduction in GHG emissions: above 50% for the past 3 months

Companies of all sizes are able to benefit from the MRC Fund for Automation and Green Technology (FAGT). Another key beneficiary of FAGT is glovemaker Duramitt Sdn Bhd, which is an SME established in May 2000 and based in

Padang Serai, Kedah. With a total of 250 employees, Duramitt focuses on the production of industrial gloves, chemical gloves, cut protection gloves, outdoor gloves, medical examination gloves, both latex and nitrile, and powder free gloves. Duramitt gloves are exported across the



globe to the UK, USA, France, Germany, Norway, Italy, Netherlands, Japan, Australia, Canada, Brazil, South Africa, and India markets.

To enhance its operations, one of Duramitt's key initiatives is to switch to green energy in its production, which will reduce energy consumption, GHG emissions and heating costs.

Duramitt has successfully installed and commissioned a Biomass Boiler, which produces steam with heat energy. The biomass boiler is aimed at reducing heating costs which account for up to 70% of the factory's total electricity consumption. It also uses an automatic biomass feeding system which enables the boiler to be totally enclosed to ensure a clean environment during its operation.

