

## HIGHLIGHTS

### FUND FOR AUTOMATION AND GREEN TECHNOLOGY

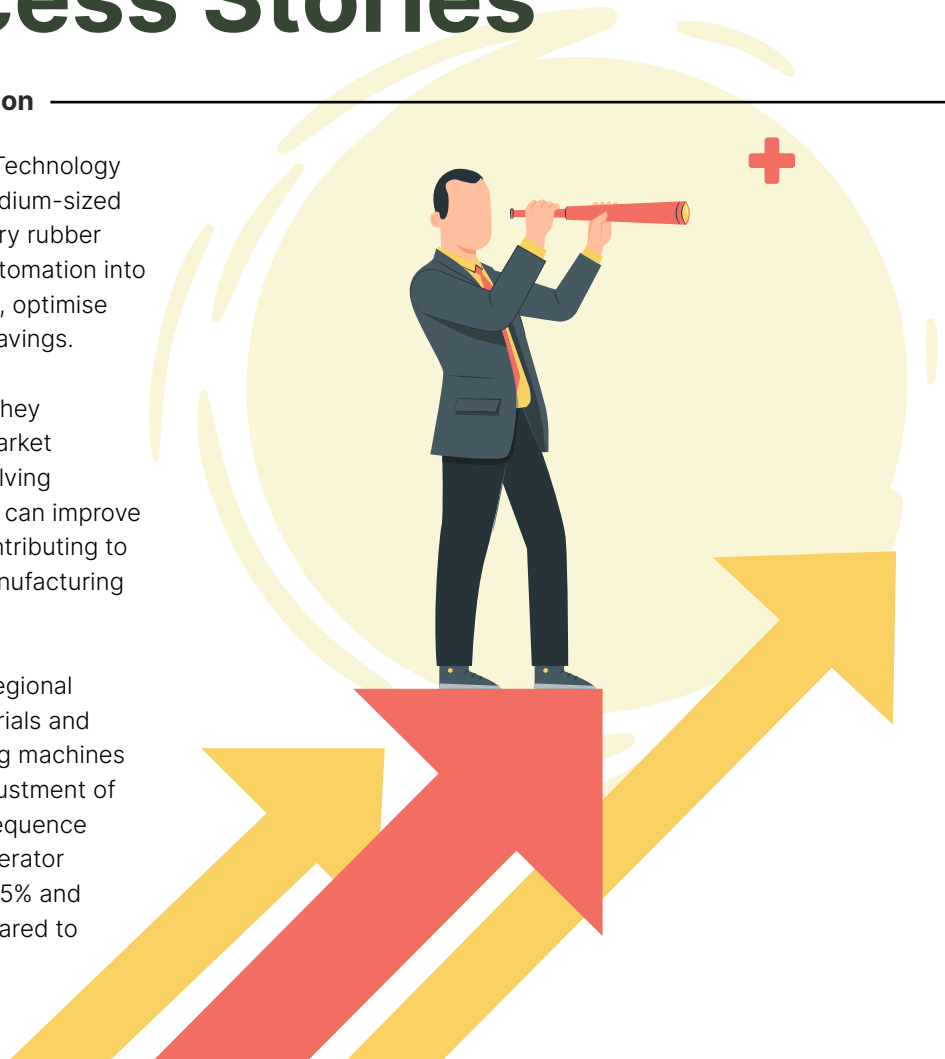
# FAGT Success Stories

#### Smarter Manufacturing with Automation

Under the Fund For Automation And Green Technology (FAGT), MRC has assisted two small and medium-sized enterprises (SMEs) operating in Malaysia's dry rubber products sector to successfully integrate automation into specific key processes to boost productivity, optimise manpower, and achieve considerable cost savings.

By reducing reliance on manual processes, they are better equipped to adapt to changing market conditions and remain competitive in an evolving industry landscape. Hence, both companies can improve business resilience while simultaneously contributing to the sustainability of the rubber products manufacturing sector.

Kayel Rubber Products Sdn Bhd, a leading regional manufacturer of a variety of retreaded materials and tyres, has successfully installed auto sanding machines for precured tyre treads. With automatic adjustment of process parameters, the entire conveying sequence is recipe-controlled and does not require operator intervention. Thus, reducing manpower by 45% and enhancing machine throughput by 5% compared to manual sanding processes.



The automated PLC-controlled software also reduced the number of rejects caused by human error, as a consistent sanding quality was achieved for each piece of precured tyre tread. As a result, a significant RM780,000 in estimated annual savings was achieved through reductions in both manpower costs and operational expenses.

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<b>COMPANY</b> <b>Kayel Rubber Products Sdn Bhd</b>		<b>ESTABLISHED</b> <b>1989</b>	<b>SECTOR</b> <b>Dry Rubber</b>	<b>VALUE OF FAGT FUNDING</b> <b>RM500,000</b> (Maximum eligible grant amount) of the total project cost of <b>RM1,358,000</b>
<b>LOCATION</b> <b>Penang, Malaysia</b>	<b>WORKFORCE</b> <b>160 EMPLOYEES</b>		<b>EXPORT MARKETS</b> <b>Asia Pacific, Oceania, Middle East and East Africa</b>	<b>COMPLETION DATE</b> <b>February 2023</b>
<b>SPECIALTY</b> <b>Precured Tyre Tread, Cushion Gum, Repair Rope, Sidewall Strip, Cushion Gum AZ Strip, Cementing Gum, Hot Cure Compound, Camelback, Masterbatches</b>		<b>PROJECT OBJECTIVE</b> <b>Fully automate the sanding process of precured tyre tread with automatically adjusted parameters based on recipe settings for consistent sanding quality and manpower cost savings.</b>	<b>PROJECT ACHIEVEMENTS</b> <b>45%</b> reduction in manpower <b>5%</b> increase in throughput compared to manual process <b>RM780,000</b> estimated annual savings on manpower and operational costs	

## Project Photos

