

Proposal for Board of MPC Management

Title Keterangan: Tajuk Projek/ Cadangan	A Publication on Improving Energy Efficiency (EE) in Malaysia
Date / Time line Keterangan: Jadual mula dan akhir pelaksanaan projek/ cadangan	Dec 2024 - Feb 2025
Purpose and Background Keterangan: Tujuan dan penerangan ringkas mengenai projek	<p>Malaysia is advancing sustainable energy management through initiatives like the National Energy Efficiency Action Plan (NEEAP). Amid rising energy costs and environmental challenges, the focus on energy efficiency (EE) in manufacturing, agriculture, and services is growing.</p> <p>This publication highlights best practices, case studies, and actionable insights on EE, serving as a guide for industry players, policymakers, and stakeholders. It provides practical knowledge on implementing EE initiatives, establishing Energy Management Systems (EMS), adopting advanced technologies like AI and IoT, and frameworks for carbon reporting—empowering Malaysian industries to meet energy and environmental goals.</p>

<p>Justification Keterangan: Penjelasan yang menyokong kepada pelaksanaan projek/ cadangan</p>	<p>MPC plays a key role in driving energy efficiency (EE) through technology adoption initiatives that boost digital transformation and productivity. The newly approved EECA legislation further underscores Malaysia's commitment to regulating energy use and promoting conservation.</p> <p>EE is essential for achieving Malaysia's sustainability and carbon reduction goals. However, industries face challenges like resource limitations, technical gaps, and low awareness. This publication aims to address these barriers by:</p> <ol style="list-style-type: none"> 1. Showcasing Success Stories: Highlighting real-world EE initiatives by Malaysian companies. 2. Providing Practical Guidance: Offering step-by-step instructions on implementing EMS, using AI and IoT, and tracking carbon footprints. 3. Aligning with Policy Goals: Supporting MPC's and the government's Industry 4.0 and sustainability agenda, emphasizing EE as a tool for productivity.
<p>Method of Implementation Keterangan: Kaedah yang perlu dilakukan bagi melaksanakan projek</p>	<ol style="list-style-type: none"> 1. Case study collection, interviews, data collection, EMS, AI, IoT, and carbon reporting frameworks 2. Professional writers and editors to ensure content quality 3. Graphic design, layout formatting, charts, and visuals.
<p>Stakeholders Keterangan: Pihak atau kumpulan yang menerima kesan positif mahupun negatif daripada projek yang dijalankan</p>	<ol style="list-style-type: none"> 1. Industry players, particularly in Productivity Nexus 2. Policymakers and government agencies involved in sustainability and energy 3. Stakeholders in the environmental and sustainability sectors
<p>Expected Outcome Keterangan: Apa yang MPC perlu capai/ faedah-faedah jangka pendek dan jangka panjang hasil dari intervensi projek/ cadangan</p>	<ol style="list-style-type: none"> i. Increased Emphasis on Energy Efficiency: Target industries gain practical insights and real-world examples of how EE can reduce costs and improve sustainability.

Expected Output Keterangan: Output ketara dan tidak ketara yang dihasilkan daripada aktiviti projek/ cadangan.	Improving Energy Efficiency (EE) in Malaysia by MPC showcases best practices, case studies, and advanced technologies, offering a strategic resource for industries, policymakers, and academia to drive EE adoption.
Target Audience Keterangan: Individu/ kumpulan yang menerima faedah daripada projek/ cadangan	1. Industry players, particularly in Productivity Nexus 2. Policymakers and government agencies involved in sustainability and energy 3. Stakeholders in the environmental and sustainability sectors
Source of Budget Keterangan: Sumber bajet / jumlah kos yang terlibat.	Sectoral Productivity Centre (SPC) 3.0 - Automotive RM19,700
Income to MPC Keterangan: Pendapatan yang diterima daripada projek	-NIL-
Recommendation Keterangan: Keputusan yang diperlukan daripada Lembaga Pengurusan MPC	We seek the Board of Management for approval of requested budget of RM19,700 from SPC3.0 - Automotive and support for this publication to ensure its successful production and broad dissemination, contributing to a sustainable and productive future for Malaysia.
Unit/Division	MMT

A. PROPOSED LAYOUT OF THE PUBLICATION

Part 1: Introduction to Energy Efficiency in Malaysia

Part 2: Case Studies on Energy Efficiency

Part 3: Advanced Technologies for Energy Efficiency (AI, IoT, Carbon Reporting)

Part 4: Practical Guide for Industry Implementation

Conclusion: The Future of Energy Efficiency in Malaysia

B. COSTING

Detail	Amount	Quantity	Total
Expert	RM 400	8 hours	3,200
Writer	RM 200	30 pages	6,000
Editor	RM 350	30 pages	10,500
Total			19,700

C. TIMELINE

