

**PAPER FOR APPROVAL**  
**MPC BOARD OF MANAGEMENT (BOM)**

<b>TITLE</b>	<b>Accelerating Technology Adoption for Construction &amp; Built Environment Industries</b>
<b>DATE / DURATION</b>	March - August 2024
<b>BACKGROUND</b>	<p>Technology plays an important role in the construction sector, driving innovation, efficiency, and sustainability. From technology such as Building Information Modeling (BIM) to advanced machinery and digital tools, technology enhances project planning, design, and execution. It streamlines communication, improves collaboration among stakeholders, and enables real-time project monitoring, leading to timely and cost-effective delivery.</p> <p>Moreover, technology facilitates the integration of sustainable practices, optimizing resource utilisation and reducing environmental impact. In a highly competitive industry, embracing technology fosters competitiveness, empowers decision-making, and ensures the delivery of high-quality, resilient infrastructure. To ensure the success of the objectives, it is necessary for both the private and government sectors to collaborate. Overall, technology is indispensable for propelling the construction sector forward into a more productive, resilient, and sustainable future.</p> <p>This program is aligned with the 12th Malaysia Plan Mid-Term Review, specifically Strategy A1, which relates to Accelerating Structural Economic Reforms within the Initiative on Elevating the Construction Sector. An important component of this initiative involves implementing actions aimed at adopting advanced materials and construction technologies to mitigate energy consumption and operational expenses.</p>
<b>OBJECTIVE</b>	<ul style="list-style-type: none"> <li>i. Improve communication and collaboration among stakeholders through streamlined digital processes.</li> <li>ii. Enable real-time project monitoring to ensure timely and cost-effective delivery of construction projects.</li> <li>iii. Enhance competitiveness in the construction industry by embracing technology and empowering decision-making</li> </ul>
<b>METHODS OF IMPLEMENTATION</b>	<ul style="list-style-type: none"> <li>i. Gemba</li> <li>ii. Stakeholders' engagement</li> <li>iii. Pilot project at selected location</li> </ul>
<b>STAKEHOLDERS</b>	<ul style="list-style-type: none"> <li>i. Government agencies (KKR, KPKT, CIDB).</li> <li>ii. Local government.</li> <li>iii. Construction and built environment industry players.</li> <li>iv. COBEPN.</li> </ul>
<b>EXPECTED OUTCOME</b>	<ul style="list-style-type: none"> <li>i. Enhanced innovation, efficiency, and sustainability in the construction sector through the adoption of advanced technologies.</li> </ul>

	<ul style="list-style-type: none"> <li>ii. Improved project planning, design, and execution facilitated by technologies such as Building Information Modeling (BIM) and digital tools.</li> <li>iii. Streamlined communication and enhanced collaboration among stakeholders, leading to smoother project workflows.</li> </ul>
<b>EXPECTED OUTPUT</b>	<ul style="list-style-type: none"> <li>i. Recommendation reports</li> <li>ii. Proof-of-concept project reports</li> </ul>
<b>BUDGET/ESTIMATED COST</b>	RM83,000 utilising SPC 2.0 – COBEPN *Detail costing refer to appendix
<b>RECOMMENDATION</b>	The approval of BOM is sought to approve the budget of RM76,600.00 using the SPC2.0-COBEPN budget and RM6,400.00 using the PCD management (operational) budget to conduct program on Accelerating Technology Adoption for Construction & Built Environment Industries.
<b>UNIT/DIVISION</b>	Modern Management & Technology Section

\*\*Please attach other relevant information if necessary.

(Examples: Program agenda, cost details, risk plan, diagrams, plan sketches, name lists, Gantt charts, etc.)

Only for applications that use Development Budget from other Units/Divisions. This column can be ignored if it is not relevant.		
<b>SUPPORTED BY:</b>		
<b>NAME OF OFFICER IN CHARGE OF THE DEVELOPMENT BUDGET</b> Position: Budget Name: Date:		

<b>PREPARED BY:</b>     <b>Name:</b> Position: Date:	<b>CHECKED BY:</b>     <b>Name:</b> Position: Date:	<b>APPROVED BY:</b>     <b>Name:</b> Position: Date:
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**APPENDIX 1**

**BUDGET / ESTIMATED COST**

#	Item	Cost / Unit	Pax	Quantity	Total (RM)
<b>A</b>	<b>DEVELOPMENT BUDGET</b>				
	<b>a. GEMBA</b>				
i.	Subject Matter Experts	RM400	2	4 hours x 4 sessions	12,800.00
ii.	Report writer	RM200	-	5 pages x 4 sessions	4,000.00
	<b>b. STAKEHOLDERS ENGAGEMENT</b>				
iii.	Facilitator	RM1800	2	3 sessions	10,800.00
iv.	Subject Matter Experts	RM400	4	4 hours x 3 sessions	19,200.00
v.	Meeting Package (Full-day seminar)	RM180	20	3 sessions	10,800.00
vi.	Residential meeting package	RM400	20	2 night x 1 session	16,000.00
vii.	Report writer	RM200	-	5 pages x 3 sessions	3,000.00
<b>TOTAL DEVELOPMENT BUDGET</b>					<b>76,600.00</b>
<b>B</b>	<b>OPERATION BUDGET</b>				
viii.	Accomodation - MPC Staff	RM250	4	4 sessions	4,000.00
ix.	Travelling - MPC Staff	RM150	4	4 sessions	2,400.00
<b>TOTAL OPERATIONAL BUDGET</b>					<b>6,400.00</b>
<b>TOTAL</b>					<b>83,000.00</b>