

# Addressing the Implication of the Construction 4.0 Policy in Malaysia

Szewen CHAN<sup>1</sup>, Changsaar CHAI<sup>1,2,3,4\*</sup>, Chiuyiong BIBIANA LIM<sup>5</sup>, Palaneeswaran EKAMBARAM<sup>6</sup>, Mohd Khairolden Bin GHANI<sup>7</sup>, Chiakuang LEE<sup>8</sup>

<sup>1</sup> Faculty of Engineering, Computing and Science, Swinburne University of Technology Sarawak Campus, Kuching, Malaysia

<sup>2\*</sup> School of Architecture, Building and Design, Faculty of Innovation and Technology, Taylor's University, Subang Jaya, Selangor, Malaysia

<sup>3</sup> Liveable Urban Communities Impact Lab, Taylor's University, Subang Jaya, Malaysia

<sup>4</sup> UTM Construction Research Centre (UTM CRC), Institute for Smart Infrastructure and Innovative Construction (ISIIC), University of Technology Malaysia, Skudai, Malaysia

<sup>5</sup> Faculty of Business, Design and Arts, Swinburne University of Technology Sarawak Campus, Kuching, Malaysia

<sup>6</sup> School of Engineering, Centre of Sustainable Infrastructure and Digital Construction, Department of Civil and Construction Engineering, Swinburne University of Technology Melbourne, Australia

<sup>7</sup> Construction Industry Consultancy (BPIP), Construction Research Institute of Malaysia (CREAM), Malaysia

<sup>8</sup> Faculty of Industrial Management, University Malaysia Pahang Al-Sultan Abdullah, Pahang, Malaysia

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## ABSTRACT

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The rise of digitalization is prompting governments to reconsider their strategies due to challenges faced by industries during this transition. Governments have prioritized Industry 4.0, implementing large-scale policies to enhance productivity, competitiveness, and workforce skills. However, understanding the complex process of policy change poses difficulties in driving necessary transformations. This research introduces the Kaleidoscope Model, which offers a roadmap for policymakers to perform effective changes with the moderating effect – challenges faced. The study employs document analysis and semi-structured interviews for qualitative data through content analysis. Results highlight that Policy Adoption and Policy Implementation notably influence the evaluation of the Construction 4.0 policy's effectiveness. Interestingly, the final model doesn't show a clear link between the Kaleidoscope Model and policy evaluation due to moderating effects. This research expands political science by aiding the implementation of the Construction 4.0 policy, providing guidelines for policymakers and construction stakeholders. By embracing advanced technologies, the construction industry's dynamics are transformed to align with the goals of the policy.

**Keywords:** Construction 4.0 Policy; Construction Industry; Implication; Malaysia; Policy Change