

A Development of a Conceptual Framework for Safety Culture and Safety Risk Assessment: The Case of Chinese International Construction Projects under the “New Belt and Road” Initiative in Africa

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Abstract : The Belt and Road Initiative's success strongly depends on the safety of all the million workers on construction projects sites. As the new BRI is directed toward Africa and meets a completely different culture from the Chinese project managers, maintaining low risk for workers risks shall be closely related to cultural sharing and mutual understanding. This is why this work introduces a cultural-wise safety management framework for Chinese Construction projects in Africa. The theoretical contribution of this paper is an improved risk assessment framework that integrates language, culture and difficulty of controlling risk factors into one approach. Practically, this study provides not only a useful tool for project safety management practitioners but the full understanding of all risks that may arise in the BRI projects in Africa.

Keywords : cultural-wise, safety culture, risk assessment, Chinese construction, BRI projects, Africa

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