

BEM APPROVED CPD: 1
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Power Talk Digitalisation in Engineering & Built Environment

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Asset Management, Environmental, Social,
Governance (Esg) And Other Requirements
for the Electrical Power Cable Sizing
Approaches | Malaysia



25 SEPT
2026

4:00pm
–5:00pm

Power Space 1,
Hall 1

The IEM June 2023 Bulletin presents a practical approach to integrating ESG (Environmental, Social and Governance) considerations into an ongoing electrical power cable sizing project involving an international university and the Singaporean and Malaysian power cable industries.

The presentation focuses on translating ESG principles into practical engineering calculations and design practices for practitioners, designers and students. It highlights the importance of stakeholder collaboration, regulatory compliance and sound engineering practices in achieving client requirements, improving ROI and strengthening industry standards.

Using power cable sizing as a case study, the session will explore some of the challenges Malaysia faces in securing international engineering consultancy projects, including differences in methodologies, engineering principles and professional practices. Drawing on the speaker's international experience, the presentation aims to strengthen design engineering knowledge and support the professional development of Malaysian electrical engineers.

The session will also examine evolving global requirements and emphasise the importance of engineering competency, innovation and ESG-aligned practices in strengthening Malaysia's engineering industry and its competitiveness in the international consultancy market.