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**Technical Brochures**

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**Contemporary design of low cost substations in developing countries**

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## Abstracts

This Technical Brochure provides a guide on the substation design process aimed at lowering the cost of substations for developing countries. The Technical Brochure has been arranged into three distinct themes. The first theme explores the substation design philosophy and process – philosophy of design, contemporary asset management applied to substation design and discussion of the design process. The second theme identifies engineering considerations for substation design – equipment selection; siting, access and constructability; operability and maintainability; and safety and environment. The third theme reflects on the project management and commercial approaches intended to lower exposure to lifecycle cost – project management considerations; costing; procurement of infrastructure and training of design practitioners.