

New Brochure / Book Cigrè 740  
launched in August – 2018

## CONTEMPORARY DESIGN OF LOW COST SUBSTATIONS IN DEVELOPING COUNTRIES



Type:

**TECHNICAL BROCHURES**

Reference: **740**

Title:


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

### 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.

**File Size:** 6,2 MB

**Pages NB:** 300

**Study Committee :** B3 

**WG (TF):** WG B3.43

**Year:** 2018

This book is a reference document about the design and implementation of electric power substations. It is explicitly focused in developing countries. Another key aspect is that, among other themes, there is a complete chapter on training and development.

Looking at many clear examples, all over the World, we see that what makes a country reaching a higher development degree is not the abundance of natural resources but, instead, the average level of education of its people.

Countries with a good level of education are more competent in supplying public services and less corrupt. Simple like this.

For more information about the brochure go to the Cigrè site in the [Link](#)

<https://e-cigre.org/publication/740-contemporary-design-of-low-cost-substations-in-developing-countries>

With Kind Regards

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