



# CONTRACTING DIVISION

the perfect connection

Since its formation in 1977, the Pauwels Contracting Division has grown to become an important business unit within the Pauwels Group. The company specializes in electrical turnkey projects, has a highly impressive list of references covering nearly 50 countries ranging from Australia to Zimbabwe and is familiar with international electrical standards worldwide.

## **AIS and GIS substations**

The Contracting Division is unquestionably a specialist in turnkey substation projects up to 500 kV. These projects are carried out for large industrial customers, as well as renowned electricity utilities.



## **Mobile substations and mobile (Hybrid) transformers**

Mobile substations are fully equipped electrical substations mounted on semi-trailers. Rapid integration into the network and the ability to reuse them afterwards at other locations are the most important advantages of these mobile units. An additional advantage is that the erection and commissioning time of the substation and civil construction works are reduced to a minimum. This is enabled by the mobile substation's complete pre-assembly and testing at the factory. In close technical cooperation with universities and the group's own product research centres for transformers and switchgear, optimal integrated designs for each specific application can be developed. The scope ranges from mobile transformers to complete mobile substations with a maximum voltage rating of 220 kV and a maximum size of 80 MVA. Mobile Hybrid transformers are used for intervention in substations during maintenance, peak loads or emergency backup.



### Compact substation designs

When space is at a premium, the Contracting Division provides compact substation solutions such as modular substations. The modular substation concept developed by the Contracting Division consists of three separate modules: high voltage equipment, power transformer and medium voltage equipment. Each module is mounted on skids. The modules are designed to allow easy transportation and quick installation times. They are pre-assembled at the Contracting Division's facilities. Before leaving the factory, the entire substation is subjected to an exhaustive series of tests. Apart from some fairly simple foundation works, the customer only needs to provide the necessary power, control and earthing connections at the site. Pre-assembled control cables with multi-plug connectors further reduce installation times.

The Contracting Division is also active in the field of:

- Rural electrification projects
- Industrial HV and MV substation solutions (WindSubs for connecting wind park to HV transmission lines)
- Mobile capacitor banks
- Mobile HV circuit breakers
- Mobile HV circuit switchers
- Mobile MV switchgear
- Transmission line projects



### A complete range of services

The success of the Contracting Division stems from an extensive range of services based upon the consistent application of project management and know-how:

- Design and engineering
- Planning and scheduling
- Cost control
- Contract administration
- On-site technical coordination and supervision
- Commissioning and erection

### Global reach

Since 1977, the Contracting Division has been located on the same premises as Pauwels Trafo Belgium N.V. in Mechelen, Belgium.

In 1988 the Contracting Division opened a fully operational branch office in Indonesia. The office is based in Jakarta near the Pauwels Trafo Asia premises in Bogor. It has taken on numerous substation and transmission line projects in the Malay Archipelago.

In 1995 Pauwels acquired the know-how of the Moloney Mobile Substation Unit, a North American market leader in the mobile substation manufacturing field. This acquisition led directly to the formation of Pauwels Contracting Inc., based in the same location as Pauwels Canada Inc.

In 2006 Pauwels acquired Ganz Main Contracting and its engineering company Transverticum (TV) Hungary, engaged in the design, erection & commissioning of fully integrated substations. It has established electrical substations, as well as overhead transmission lines and high voltage underground cable networks.

*Detailed information about the Contracting Division is available upon request.*

