

## Much more than disconnectors...

### Coelme-Egic officially starts up the Power Switching Division (PSD).

From our 50-year experience of High Voltage Grids, worldwide, we have noted that every utility, every contractor has particular needs that are not covered by standard switchgear.

**From this, the PSD is dedicated to propose original and custom solutions, where a disconnector is not enough, and a standard breaker not adapted.**

### For Capacitor Banks

In today's world of sensitive electronic devices the need for quality power has never been greater. The CapSwitcher® high voltage capacitor switching device has been specifically developed to meet this need. This special purpose SF<sub>6</sub> capacitor switch is available for application :

- On single banks
- On back-to-back banks
- Grounded or ungrounded
- From 36 kV to 170 kV

The CapSwitcher® outstanding advantage is to propose an optional closing resistor that provides **a reliable and consistently repeatable transient mitigation.**

The CapSwitcher® is available with a revolutionary current sensor, the CMD®, that allows to measure the 3-phase current, and trip the apparatus if necessary, **without additional footprint.**

The CMD® is available separately, for all our switchgear, to **replace free-standing CT's**, for a more compact, more reliable and less expensive current measurement.



CapSwitcher® 72.5 kV installed on a capacitor bank



CMD® sensor installed on a CapSwitcher®

## For Lines and Loops

Up to now, the solutions combining visible gap isolation and load switching were limited. The only choice was between :

- a disconnector with arcing horns or whips, limited to a few amps breaking
- 1 or 2 disconnectors interlocked with a breaker, a complex, expensive, and space consuming solution.

**The VSD solves this problem**, by adding a single gap SF<sub>6</sub> chamber, directly actuated by the vertical break disconnector, to break currents up to 3150 A. It is applicable to :

- Line switching
- Load breaking
- Loop switching
- Grids from 72.5 to 245 kV



VSD 123 kV installed to sectionalize a line

## For Transformers

CSH-B Horizontal Circuit Switcher is a compact and inexpensive alternative to the traditional combination of breaker and disconnector that is imposed to switch and protect transformer bays.

**The isolation is visible and made in the air, while making and breaking is made in the SF<sub>6</sub>**, keeping the best of both technologies on a single support, and with a mechanically sequenced switching.

It is tailored to switch transformer primary side currents up to 2000 A, and to clear faults up to 20 kA, from 72.5 to 245 kV.



CSH-B 242 kV replacing DS+CB on a single structure

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