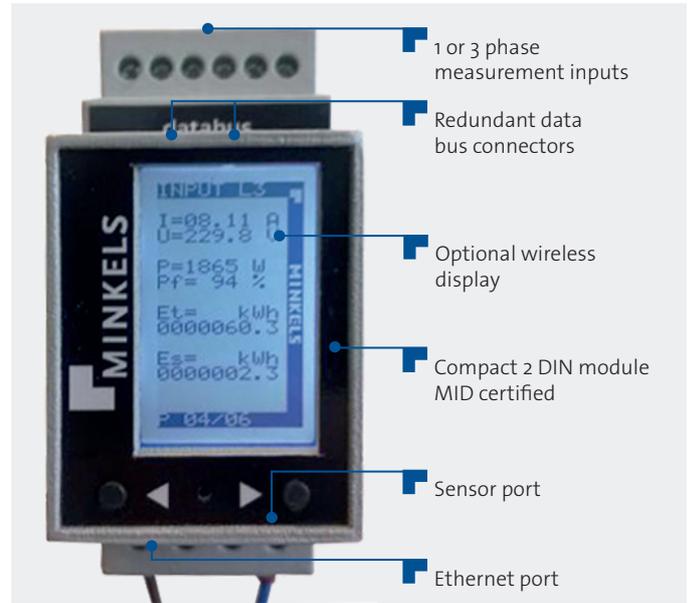


## Modular busbar systems & smart tap-off boxes

### *An ultimate scalable approach*

Minkels has just launched a new solution within its VariconPower® power distribution product range. These are modular VariconPower Busbar Systems with Smart Tap-Off Boxes, which can be configured flexibly in customer-specific Cold Corridor layouts in data centres. The VariconPower busbar system offers data centres a power distribution infrastructure for currents varying from 160 amps to 1000 amps. The system is suitable for both commercial data centres and corporate data centre environments. The solution is a safe and structured alternative to power distribution using traditional cabling.



*Innovative smart meter*

## SCALABLE

The Smart Tap-Off Boxes that are delivered with the system offer users the option of flexibly laying out a power grid in the data centre. Unlike many other systems on the market, this system is entirely modular. That's not only at the rack level, but also at the Cold Corridor level. Combined with Cold Corridor systems, this gives users the option of connecting up datacentre racks or rack clusters to a busbar at any desired position. That flexibility plus the compatibility with Cold Corridors is important if they want to be able to respond to dynamic and evolving power requirements in the data centre.

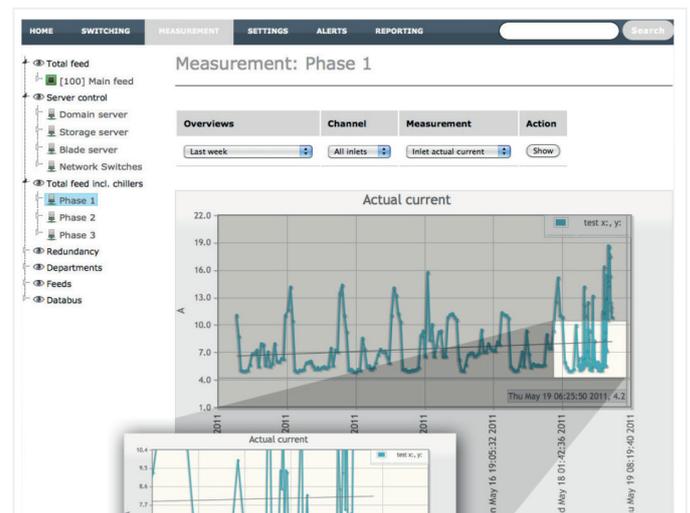
## INTEGRATION WITH NEXT GENERATION COLD CORRIDOR

The new VariconPower Busbar System plus Smart Tap-Off Box is being offered as a new modular layer on top of the Next Generation Cold Corridor® that was launched last year. Key features of this Cold Corridor solution are not only that it is energy-efficient, but above all that it is modular - indeed, it has taken that concept to the extreme. The modularity of Minkels' new Next Generation Cold Corridor®, which goes right down to the details of the construction, means that the aisle containment solution - like the busbar systems - can evolve flexibly and scalably along with user requirements in data centre environments.

## SMART METERS

Minkels has developed a data centre-specific Smart Meter for the VariconPower Busbar System so that energy consumption can be read off. The Smart Meter is compatible with VariconPower rack PDUs and VariControl-C Energy Monitoring. The intelligent measurement system can be extended by the users with additional functionality such as temperature readout and circuit breaker status readout, including alerts. The Smart Meter can be integrated into Tap-Off Box, or placed externally

on a busbar. The advantage of this Smart Meter is that the electronics and the power distribution can be kept entirely separate. That not only makes the Tap-Off Box more compact, but it also has benefits for maintenance and replacement. When you place a Smart Meter outside the Tap-Off Box, you don't have to do disconnect the current and the continuity of the data centre remains assured.



*VariControl Energy Monitoring software (optional)*

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