





# More than 120,000 cubicles installed

Customers worldwide trust Okken LV switchboard solutions

How to navigate:



[return to home](#)



[show more](#)



[see the video](#)



[download](#)



[navigate images](#)

Life Is On



# Discover Okken switchboard solutions

## Industry-leading features, design, and safety

Okken™ switchboards are complete and customized low-voltage (LV) solutions for power distribution and motor control. Okken solutions answer the need for superior operational safety in today's high-performance LV power applications.

Versatile and durable, Okken switchboards have the comprehensive capabilities and intelligence you need to keep your business competitive.



# Discover Okken switchboard solutions

## Best-in-class performance and quality

To provide a superior level of safety, reliability, and flexibility, all Okken switchboard solutions are engineered using high-quality Schneider Electric™ components.

Okken solutions combine best-in-class protection features with an optimized footprint, modular architecture, and dedicated smart devices. They embody decades of expertise and our strong commitment to maximizing safety, efficiency, and your return on investment.



# Discover Okken switchboard solutions

Tailored for a wide range of applications and most demanding environments

Okken switchboard solutions are easily customizable to meet the needs of diverse market segments and strict industrial requirements.

Even in the toughest conditions, Okken switchboards deliver superior performance and uncompromised safety.



Oil & Gas



Offshore



Marine



Mining, Minerals,  
and Metals



Water & Wastewater



Nuclear



Data Centres



# Top-level installation and operational safety

## Type tested for high electrical installation and operational safety

All Okken switchboard solutions are fully type tested by independent ASEFA- and LOVAG-certified laboratories. They are 100% compliant with the IEC 61439-1&2 standards for high safety and end-user requirements.



Note: In working environment, full operator safety measures should always be adopted.



# Top-level installation and operational safety

## Excellent protection for switchboard operators and equipment

Okken switchboard solutions are designed and custom built to maximize the safety of personnel. Their best-in-class level of protection enables peace of mind during installation and in everyday operations.



Note: In working environment, full operator safety measures should always be adopted.



# Superior reliability, performance, and continuity of service

## Quality and compatibility by Schneider Electric

- All components and accessories are designed by Schneider Electric and manufactured to rigorous quality standards
- Compatibility between switchboards, functional units, and built-in devices is tested and validated
- Schneider Electric components have outstanding electrical and mechanical consistency and electromagnetic compatibility (EMC)



The Okken design is based on a robust and type-tested architecture, standardized modules, and Schneider Electric devices. This is the guaranty of functionality, safety, continuity of supply, and installation reliability, even in the most difficult environments.

Note: In working environment, full operator safety measures should always be adopted.





# Superior reliability, performance, and continuity of service

## High performance and superior efficiency

- Maximum busbar rating up to 7300 A
- Maximum rating of PCC up to 6300 A
- Maximum rating of MCC up to 250 kW
- Smart communicating devices for connected switchboards
- Compact design for higher stacking density and reduced footprint

## Resistance to corrosive environments

- Tin, nickel, or silver busbar coating on copper conductive parts for H<sub>2</sub>S and SO<sub>2</sub> atmosphere withstand
- Anticorrosion surface treatments on metallic sheets
- A wide variety of protection levels (up to IP54)



# Superior reliability, performance, and continuity of service

## Thermal monitoring for preventive maintenance

Okken switchboards enable predictive maintenance thanks to permanent temperature monitoring with sensors on critical parts (Exertherm system).

## Excellent reliability for the Oil & Gas industry

- Okken switchboards are DEP Shell approved for demanding needs of Oil & Gas facilities
- Total, Chevron, British Petroleum, Air Liquide, and others place their trust in Okken intelligent switchboard solutions



# Superior reliability, performance, and continuity of service

## Optimized solutions for marine installations

- Okken switchboards meet the requirements of marine, offshore, and floating production storage and offloading (FPSO) applications
- They are DNV (Det Norsk Veritas) and RINA (Registro Italiano Navale Group) certified for high vibration and saline environments

## Improved durability for seismic areas

- The Okken 2.7G and 5G versions are designed for excellent mechanical resistance and secure installation in seismic zones (compliance with IBC 2006/AC 156, IEC68-3-3, AS1170, EAK-2000, ENDESA-1986, GOST 17516.1-90, IEEE 693-1997, and EDF CRT 91 C 112 00 on Okken 5G)
- The 5G versions are specifically engineered for high-safety nuclear and industrial applications



# Superior reliability, performance, and continuity of service

## Extensive flexibility for diverse applications

Okken solutions are modular and easily adaptable. They offer extensive pre-engineered features to support fast and efficient installation, upgrading, and maintenance.



# Intelligence for energy efficiency of service

## Discover iPMCC by Okken

The intelligent Power and Motor Control Centre (iPMCC) by Okken is an advanced, smart solution for fault prevention, protection, and automatic restart in continuous and critical processes.

It helps you boost productivity and optimize the energy management and efficiency of your assets while maximizing safety, enhancing continuity of service, and reducing down time.



# Intelligence for energy efficiency of service

## Smart devices to improve productivity and energy efficiency

As stand-alone devices or fully integrated solutions, each plug-and-play energy monitoring, motor control, and power factor correction solution within Okken switchboards offers advanced technology and outstanding capability.



Power circuit protection and control



Energy and power quality metering



Motor motion control



Motor protection and monitoring



Process automation



Coupler control



Energy server



# Tools and services for greater peace of mind

## Maximize ease of ownership with global support from Schneider Electric

Schneider Electric is a recognized global leader in energy management and power protection. Together with our global network of Regional Equipment Units, we can deliver the products, services, and support you need to be at your most efficient. Our highly skilled service and support professionals help provide business-aligned results for a measurable return on your investment.



# Tools and services for greater peace of mind

The Okken panel builder network delivers world-class local services

Okken switchboard solutions can be supplied by the Schneider Electric Equipment Units or by licensed partner panel builders present around the world.

These partners, selected for their expertise, are trained and regularly audited by Schneider Electric to deliver top-quality equipment and support.



Partner licensed by



- Global network of licensed partners
- Local presence in all geographic zones





# A benchmark for environmental responsibility

## Green Premium™ equipment







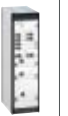



- Ecologically designed and manufactured without hazardous materials
- Compliance with RoHS and REACH standards
- Designed for reduced carbon footprint and energy consumption
- Designed for optimal recycling and end-of-life management



# Range characteristics

## A complete range for diverse applications

Okken switchboards offer comprehensive solutions for power distribution and motor control including variable speed drives, motor starters, power factor correction, and harmonic filtering.

Designation		230	115	Single MTZ-NW Single MTZ-NT-NS	70-F	185	115-70	70-M	70-2	VSD	PFC
All low voltage power applications in one equipment											
Application	Power Control Centre (PCC)	■	■	■	■	■	■	■	■		■
	Motor Control Centre (MCC)						■	■	■	■	
Function	Incomer	■	■	■			■				
	Feeder	■	■	■	■	■	■	■	■	■	■
Type	Disconnectable						■		■		
	Withdrawable	■	■	■			■	■	■	■	
	Fixed				■	■				■	■
		up to 6300 A	up to 4000 A	single up to 4000 A							

■ PCC - Power Control Centre • ■ MCC - Motor Control Centre • ■ VSD - Variable Speed Drive • ■ PFC - Power Factor Correction



# Range characteristics

Okken intelligent switchboard specifications



Life Is On

**Schneider**  
Electric

**Schneider Electric Industries SAS**

Head Office  
35 rue Joseph Monier  
92500 Rueil Malmaison Cedex- France  
Tel.: +33 (0)1 41 29 70 00

[www.schneider-electric.com](http://www.schneider-electric.com)

May 2016

Images and illustrations in this document are not contractual  
©2016 Schneider Electric. All Rights Reserved.

Schneider Electric | Life Is On and Okken, Blokset, Masterpact, Compact, PowerLogic, Altivar, Altistart, TeSys, Modicon, and Sepam are trademarks and the property of Schneider Electric SE, its subsidiaries, and affiliated companies. All other trademarks are the property of their respective owners. LinkedIn, the LinkedIn logo, the IN logo, and InMail are registered trademarks or trademarks of LinkedIn Corporation and its affiliates in the United States and/or other countries.  
998-1211343\_GMA-GB\_A\_digital

