The specialist in medium voltage Switchgear

BUILT TO LAST!

SGC



SGC
SwitchGear Company

Innovation, Reliability, Performance

www.switchgearcompany.eu

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SGC - Your trusted partner in Medium Voltage Switchgear

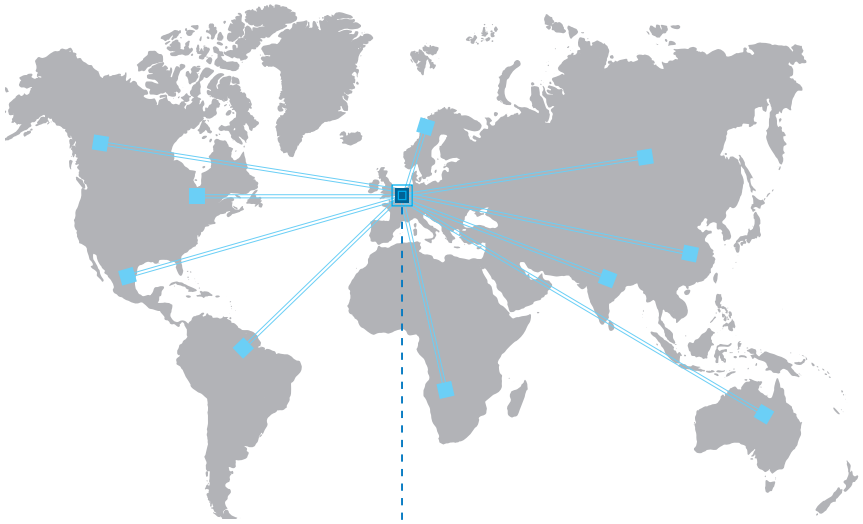
SGC – SwitchGear Company delivers reliable products for electrical distribution. More specifically, SGC is a supplier of medium-voltage switchgear (1 – 36 kV).

We are a rapidly growing Belgian company that invests significant time and energy in Research & Development to better serve our customers.

Customer focus, safety, and environmental responsibility are the key drivers behind the development of SGC's switchgear solutions.

SGC is driven by operator safety. Our mission is to ensure the personal safety of operators and the reliability of our products.

We serve customers worldwide including distribution network operators, contractors, and industrial companies — with innovative and sustainable medium-voltage switchgear.



SGC
SwitchGear Company

- Driven by operator safety
- Active supplier in al contents of the world



Medium voltage?
What's that all about?



Power plants generate electrical power at voltages up to 380,000 Volts, which is transported to transformer stations and distribution substations.

These substations distribute medium voltage (1 to 36 kV).
For this purpose, several switchboards from SGC - Switchgear Company are used.

The medium-voltage network begins at each substation and supplies a large area with medium voltage.

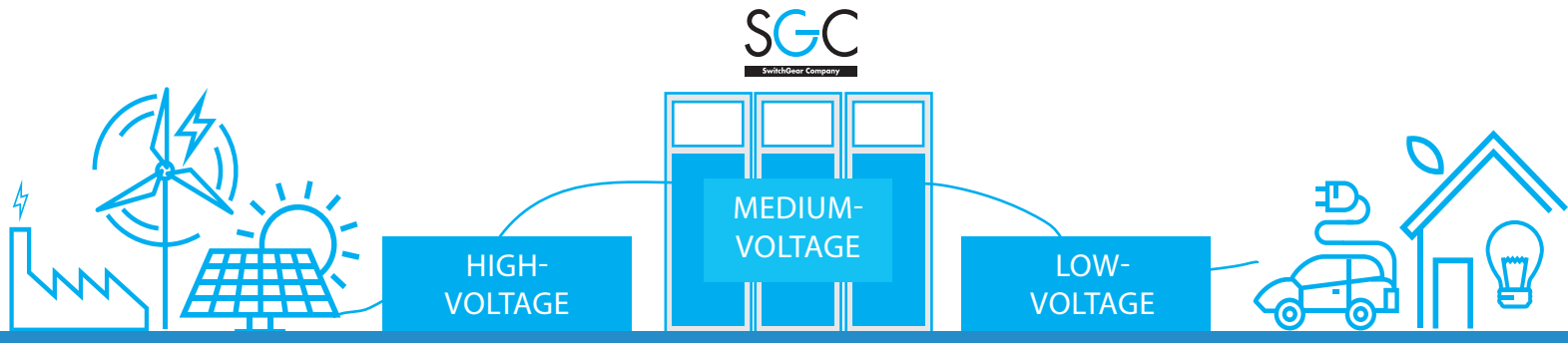
When medium voltage enters a residential area, industrial park, marketplace, hotel, or sports complex, the medium-voltage switchgear fulfills the following four essential functions:

1. POWER SUPPLY: The network is branched to create a reliable grid that allows switching operations.

2. SAFETY: The installation is secured with a load break switch equipped with HRC fuses or a circuit breaker with a protection relay.

3. METERING: Energy consumption is measured on the medium-voltage or low-voltage side.

4. TRANSFORMATION: Medium voltage is transformed into low voltage (< 1 kV).



SGC - SWITCHGEAR COMPANY SOLUTIONS FOR ALL KINDS OF APPLICATIONS
Contact us for any further information or questions
Call: +32(0)9/321.91.12 or mail to sales@switchgearcompany.eu

SGC stands for



SAFETY:
Is essential due to the technical nature of the sector, particularly the transport of high energy volumes.

BUILT TO LAST:
We produce reliable switchgear requiring minimal maintenance and offering a long service life.

IEC-CERTIFIED PRODUCTS:
All products comply with IEC standards.

MODERN TECHNOLOGY:
In advanced technologies for switchgear development.

ERGONOMIC PRODUCTION:
With green results Products are manufactured through processes that do not negatively impact the environment.

CUSTOM-MADE:
Optionally labeled products can be tailored to specifications and labeled with the customer's name.

USER-FRIENDLY PRODUCTS:
Clear and logical synoptic diagrams and simple operations support correct actions during emergency situations.







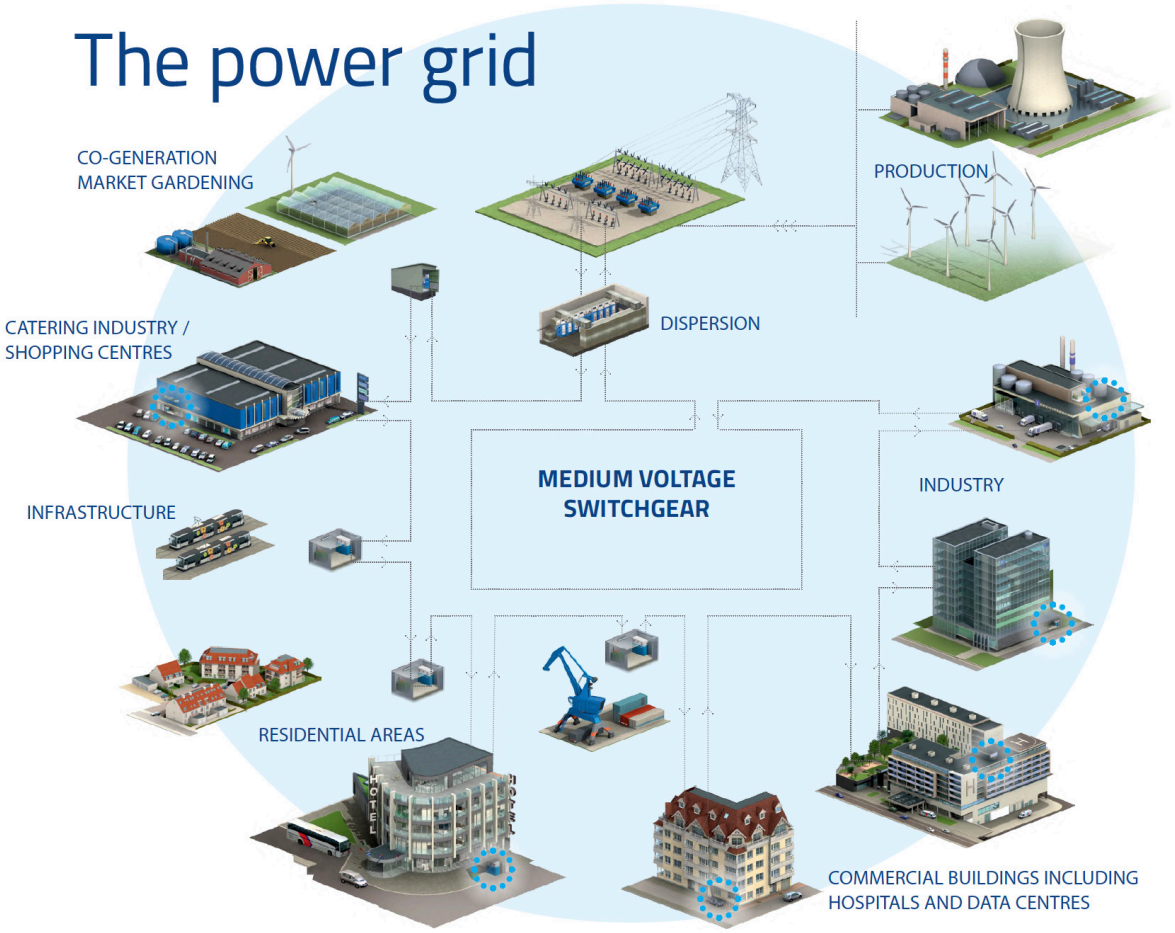






SGC medium voltage solutions

Your number one choice



1. POWER SUPPLY:

The utility providers feeder is branched off to allow switching.

2. PROTECTION:

The installation is protected with a load break switch with HRC fuses, or by a circuit breaker with a safety relay.

3. MEASUREMENT:

The energy consumption is measured on the high-voltage, or low-voltage side.

4. TRANSFORMATION:

Medium voltage is transformed into low-voltage (690 V-400 V-231 V).

Power stations generate electrical power, with voltages up to 1.000.000 V, which is transported to
transformer stations and dispersion stations.

These substations distribute medium voltage (+/- 10.000 V to +/- 24.000 V). Here too, a number of SGC - SwitchGear Company's cubicles are used. A medium voltage grid starts from every substation and supplies a large area with medium voltage.

Wherever medium voltage enters residential areas, industrial production companies, market gardening, hotels, sport venues, and more, there is a medium voltage switchboard fulfilling four essential functions.

Medium voltage overview

SGC Medium Voltage switchgear overview



- DF-2 and DF-2+ (with Arc-Killer) series of switchgear
- DR-6 and DR-6+ (with Arc-Killer) series of ring main units (RMUs)
- Suitable for 3.3kV, 6.6kV, 11kV and 22kV

Air insulated switchgear (AIS) with visual earthing – DF-2/DF-2+ series AIS up to 24kV and 25kA 1 sec

Gas insulated switchgear (GIS) ring main units (RMUs) – DR-6/DR-6+ series GIS RMUs up to 24kV and 25kA 1 sec

Blue Line – SF6-Free Medium Voltage Switchgear

- SGC is transitioning to Blue Line technology to help protect the atmosphere. We invest in and offer energy-efficient, SF6-free solutions that reduce environmental impact.

- Innovation and environmental responsibility are core drivers at SwitchGear Company. We actively develop alternatives to eliminate the use of harmful greenhouse gases in electrical distribution networks.



SGC provides solutions for all types of applications.



Be impressed..
Visit our
showroom virtually.

SF6-free solutions

- Extendable modules
- Primary and secondary distribution
- Up to 36 kV
- Retrofit capability
- AIS (Air Insulated) & GIS (Gas Insulated) options

Metal-enclosed Switchgear

- Suitable for heavy industries and power plants
- Air insulation – AIS
- Improved safety thanks to internal isolation

Metal-clad switchgear

- Air insulation – AIS
- Always extendable
- Customizable options
- Compartmentalized design

Ring Main Unit (RMU)

- Gas insulation – GIS
- Compact monoblock design
- Optional lateral extension

Interested in learning more about our production process?
Don't hesitate to contact us and request a factory visit or more information about our products via sales@switchgearcompany.eu or visit our website www.switchgearcompany.eu



NS-2

- No fluorinated gases (including SF6)
- Medium voltage up to 36 kV
- Dry air insulation
- Flexible modular system



DN-2 Blue

- No fluorinated gases (including SF6)
- Medium voltage up to 24 kV
- Vacuum / nitrogen insulation
- Retrofit compatible with DF-2



DW-2

- Air insulation – AIS – no SF6
- Withdrawable circuit breaker with metal shutters
- 4 compartments
- LSC 2B
- Ur: 12–17.5 kV / Ir: 630–2000 A



DW-3

- Air insulation – AIS
- Metal-enclosed
- Internal arc resistant
- Modular
- High current ratings
- Flexible
- Customizable



DF-2(+)

- Modular design
- Load break switch – 2 positions
- LSC 2A
- Ur: 12–24 kV / Ir: 630–1250 A
- Arc Killer option



DF-3(+)

- Most compact modular design
- Load break switch – 3 positions
- LSC 2A
- Ur: 12–24 kV / Ir: 630 A
- Arc Killer option



DR-2 Blue

- No fluorinated gases (including SF6)
- MV up to 24 kV
- Vacuum / nitrogen insulation
- Compact monoblock or extendable



DR-6

- Enedis approval HN 64 S 43
- Enedis approval HN 64 S 52
- Total insulation
- Operator safety
- Scalable
- Easy installation

BLUE LINE
SF-6 FREE
AIS -GIS

- SF6-free
- Sustainable
- Climate neutral
- Blue future guaranteed

ECO FRIENDLY



The Blue Line by SGC – SwitchGear Company

Future-proof switchgear, designed for the planet.
The Blue Line is SGC's eco-friendly series of medium voltage switchgear, fully SF6-free and built. By using nitrogen and dry air as insulation mediums, we eliminate greenhouse gases without compromising performance.

Why Blue? Because we believe clean energy starts with clean technology. The Blue Line combines high safety standards, low maintenance, and climate-neutral production offering a sustainable solution for both primary and secondary applications up to 26 kV.

Innovation meets responsibility.
Developed through intensive R&D, our Blue Line products deliver the same reliability as traditional GIS or AIS systems, but with a significantly lower environmental footprint. From design to deployment, every detail supports a greener future.

Sustainable **Eco-manufacturing** **Blue future**

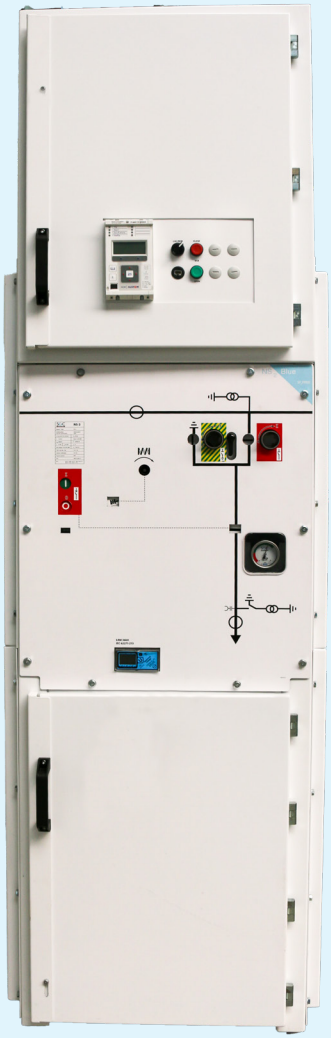
BLUE LINE
SF-6 FREE
AIS -GIS

SGC's NS-2 replaces SF-6 and other F-gasses

The world's strongest greenhouse gas using climate-friendly dry air insulation.

This has been achieved while maintaining SF6-GIS' benefits:

- High reliability
- Maintenance-free design
- Compact dimensions
- Metal enclosed
- Position disconnector
- Earthing switch
- Vacuum circuit breaker
- 1250 a / 2000 a
- 36 kv



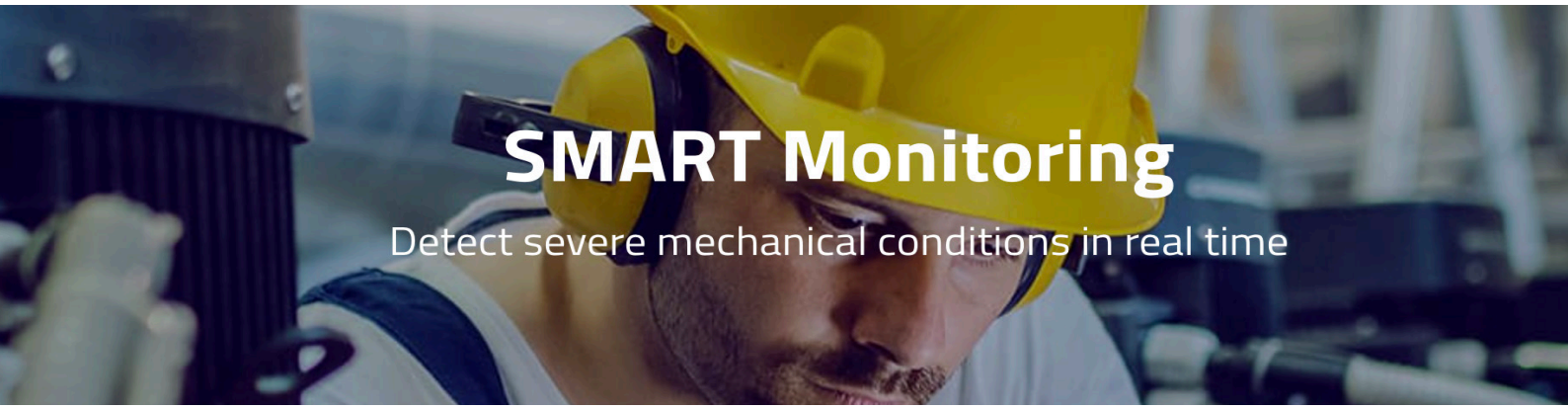


BUILT TO LAST!
SGC

New MV product releases

SwitchEye

Full control over your medium-voltage installation



Real-time insights. Predictive maintenance. Maximum uptime.

SwitchEye is SGC's modular monitoring platform designed to give you full control over your medium-voltage installation up to 36 kV.

With the intuitive SGC Monitor interface, you can track real-time data locally via UTP or remotely via www.sgcmonitor.com.
Whether managing one site or multiple locations, all data is centralized in one clear dashboard.

What SwitchEye offers:

- Monitoring
- Position indication
- Temperature
- Humidity measurement
- Current and voltage tracking via instrument transformers
- Notifications (warnings and alarms)
- Control: Remote operation of motorized components



Single control architecture

Provides a single control architecture to protect your critical rotating and reciprocating machinery

Detect severe mechanical conditions

Detect severe mechanical conditions in real ime and proactively action and maintenance or repairs before it fails unannounced

Machine protection

Integrate machine protection into your control system

Simple integration

Simple integration into your Logix environment

Condition Monitoring by SGC Automation

Keep your operations running efficiently even in harsh environments. SGC's condition monitoring products help detect potential equipment failures before they occur, ensuring smooth and uninterrupted production. We offer real-time protection modules, sensors, portable instruments, and surveillance software all designed for demanding industrial settings.

- SwitchEye goes further.

It performs real-time processing of critical parameters to assess the current health and predict the future condition of your mechanical equipment. This enables proactive maintenance and reduces unplanned downtime.



- Smart diagnostics include:

Vibration detection linked to specific motor faults

- Energy usage monitoring

Customizable thresholds and alarms tailored to your machinery
Scheduled interventions before breakdowns happen

- Built for protection and simplicity:

Single control architecture to safeguard rotating and reciprocating equipment
Integrated machine protection within your automation system
Simple integration into your Logix environment

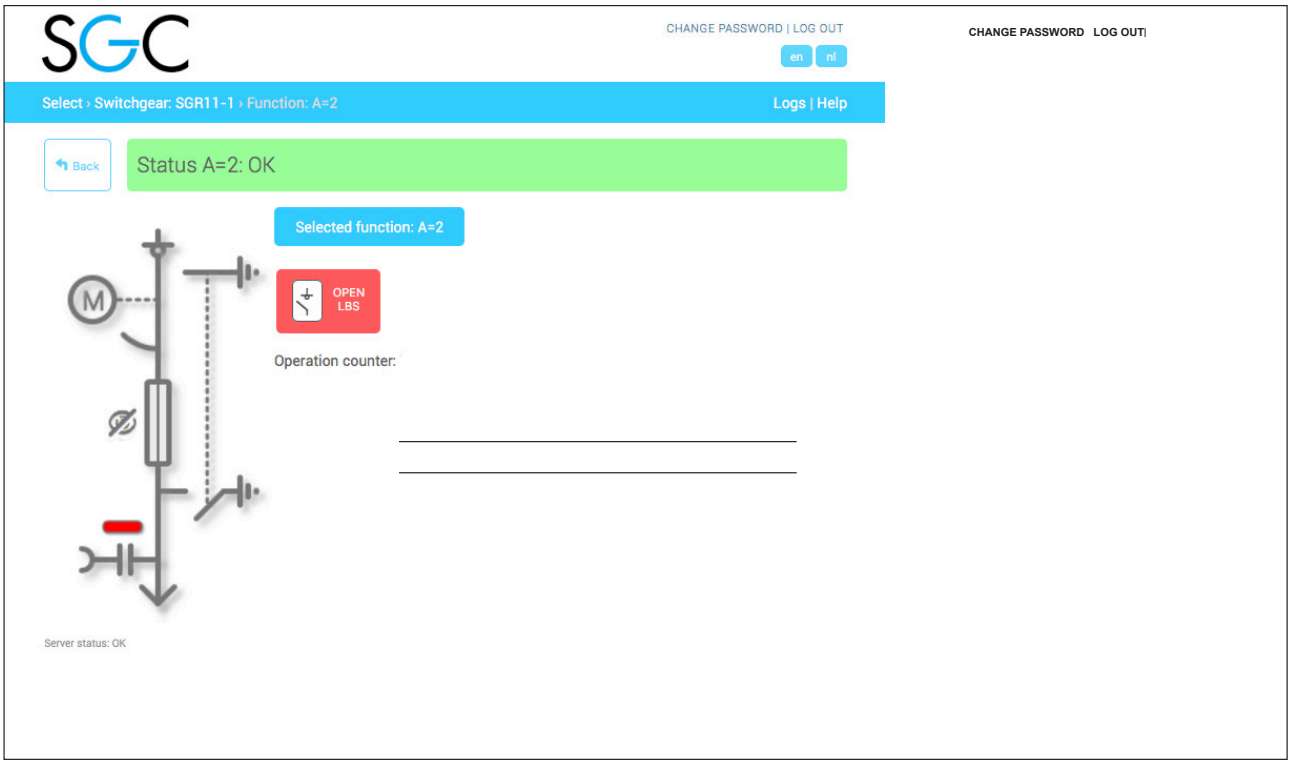
Reliability of product

Availability of power

Safety for people

Compliance to standards

Customisation of solutions to meet customer needs



SwitchEye Remote Switching and monitoring



Operation:

- This is a control and command system that can be visualized using a web browser via an Ethernet, Wi-Fi, or 3G connection. Our RTU communicates via Modbus to retrieve the positions of various switching devices and measured values such as current, temperature, and relative humidity. This information is collected by the web server, which receives it from the RTU through a VPN connection.
- All data is displayed on a graphical interface accessible via a standard web browser. If the switching devices are motorized, the user can operate them remotely using a virtual button embedded in the graphical interface.
- Any change in the status of a switching device or any event is sent to the web server for update, and these changes are visible to the user through their connected browser.
- Local interventions will send an update to the web server, which passes it on to the user's web browser for online monitoring.

Mobile solutions
Kiosk

Case Study
Installation of SGC's DT-6+ at a University in South Queensland

A university in South Queensland opted for a compact kiosk solution from SGC – SwitchGear Company nv, delivered via NHP. The installation featured exclusively SGC components: the DR-6+ switchgear and the innovative RV-50 Arc-Killer.

Thanks to SGC's unique Arc-Killer technology, the DT-6 RMU provided an exceptionally high level of protection against arc flash incidents. The system achieved an impressive internal arc classification (IAC) of BFLR-20 for 1 second — a testament to SGC's commitment to safety and reliability.



“Our vision is to be a global player and to be the premier switchgear company in every market that we serve. Being premier does mean being the best in terms of operator safety, quality, durability, innovation, technology, delivery and profitability, resulting in long term customer satisfaction.



SGC - SwitchGear Company nv
Medium voltage switchgear, built to last.

SGC - SwitchGear Company nv has been supplying reliable products for electrical distribution for more than 45 years. Innovative ideas and environmental care are the driving forces behind SGC - SwitchGear Company. The development of complete solutions consists of a minimum number of components, all of which have an exceptional life span. SGC - SwitchGear Company nv stands for exceptional quality and superior customer care. Your desired specifications and deadlines are our main concern.

An exclusive factory and highly automated production lines are key factors in our “state of the art” components and systems. It enables us to develop the NS-2, DN-2, DR-2 and DW-2 Blue Line to the highest quality standards. When it comes to delivery times, prices and products SGC - SwitchGear Company nv delivers.

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