



40 YEARS PARTNERSHIP WITH NUCLEAR KEY PLAYERS

CMR PRODUCTS HAS BEEN INSTALLED ON MORE THAN 100 POWERPLANTS AROUND THE WORLD

ASIA

- EPR Taichan / China
- Ling Ao / China
- Daya Bay / China
- Hongyanhe / China
- Ningde / China
- Fangchenggang / China
- Changjiang / China
- Qinshan / China
- Tianwan / China
- FCG Hualong One / China
- Lungmen / Taiwan
- Hanbit / South Korea
- Hanul / South Korea
- Wolsong / South Korea

EUROPE

- All French Nuclear Power plants
- EPR Flamanville 3 / France
- Tihange / Belgium
- PAKS / Hungary
- CNE Cernavoda / Roumania
- Hinkley Point / UK

OTHER COUNTRIES

- Leningrad / Russia
- Kudankulam/India
- Koeberg / South Africa

OUR MAIN CUSTOMERS ARE :

- ✓ Nuclear OEM
- ✓ Equipment integrators
- ✓ Diesel generator package providers
- ✓ Energy utilities
- ✓ Nuclear power plant operators or owners

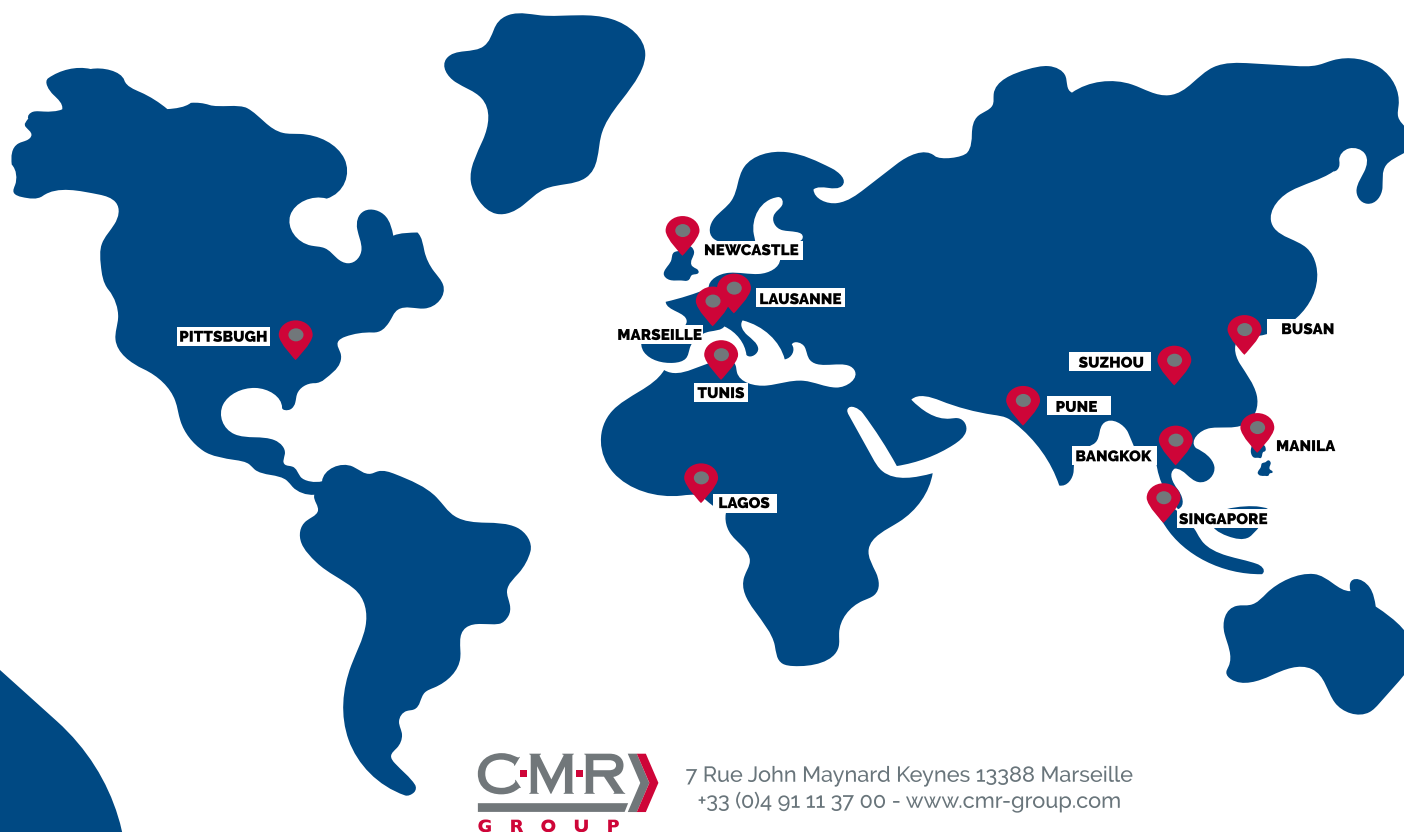
CMR GROUP PROFILE

Created in 1959 with HQ based in Marseille, CMR develops, manufactures, and implements instrumentation, control and supervision solutions in the energy, industry and marine sectors, integrating its smart sensors and advanced automation systems.

Today, CMR has a global footprint in more than 10 countries in the world. Every day, more than 700 people provide proven and cost-effective solutions to continually design and market innovations in sensor and supervisory system technology.

The reliability of our products is constantly monitored by regulatory Nuclear and Marine agencies, as well as by our own Quality Department. CMR manufactures under ISO 9001-2008 and ISO 14001.02 (AFAQ certification).

To continue in our will to diversify our activity in the field of renewable energies, more precisely in hydro and solar hybrid, Costronic and GreenElec joined CMR in 2019. Costronic is a Swiss company specialized in Control solutions for hydro power plant & electrical substation and GreenElec, located in Nigeria, distributes solar solutions for energy efficiency and C&I applications. Through these two companies, CMR ensures its legitimacy in the field of renewable energy by offering its customers turnkey solutions. A new step towards energy transition and the diversification of CMR activities. An extensive network of agents and dealers strategically bases, complete our international presence.



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NUCLEAR EXPERTISE INSTRUMENTATION & CONTROL OVERVIEW



KEY FIGURES

CMR is your qualified and long-term partner to deliver instrumentation systems and control solutions dedicated to new and retrofit nuclear power plants.

For these applications, CMR designs & develops a qualified range of temperature sensors, automation and monitoring systems, ensuring the reliable and safe operation of nuclear power plant facilities.

Designed in compliance with nuclear requirements, our equipment can operate under failure conditions in compliance with the nuclear power plant life time.

CMR has been supplying nuclear temperature sensors, thermowells, transmitters and monitoring system in more than 100 NPP from 1980s. CMR is today recognized as a global leader in the Nuclear industry.

+100 NPP INSTALLATIONS

12 COUNTRIES WORLDWIDE

+60 M€ REVENUE

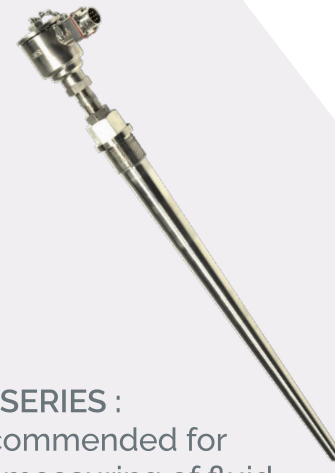
+700 EMPLOYEES

1959 SET UP



AN SERIES :
Recommended for the measuring of fluid temperature under pressure mounted in thermowell

- RTD 4-wires (or 2 x 4-wires)
- Or, Thermocouple K type simplex or duplex
- Measuring range: 0-400°C
- Classification: AIP-NC, K3 & K3ad according to RCC-E 2012



CTP SERIES :
Recommended for the measuring of surface temperature

- RTD 4-wires (or 2 x 4-wires)
- Or, Thermocouple K type simplex or duplex
- Measuring range: 0-400°C
- Classification: AIP-NC



AMB SERIES :
Recommended for the measuring of Air temperature on HVAC system or ventilation duct

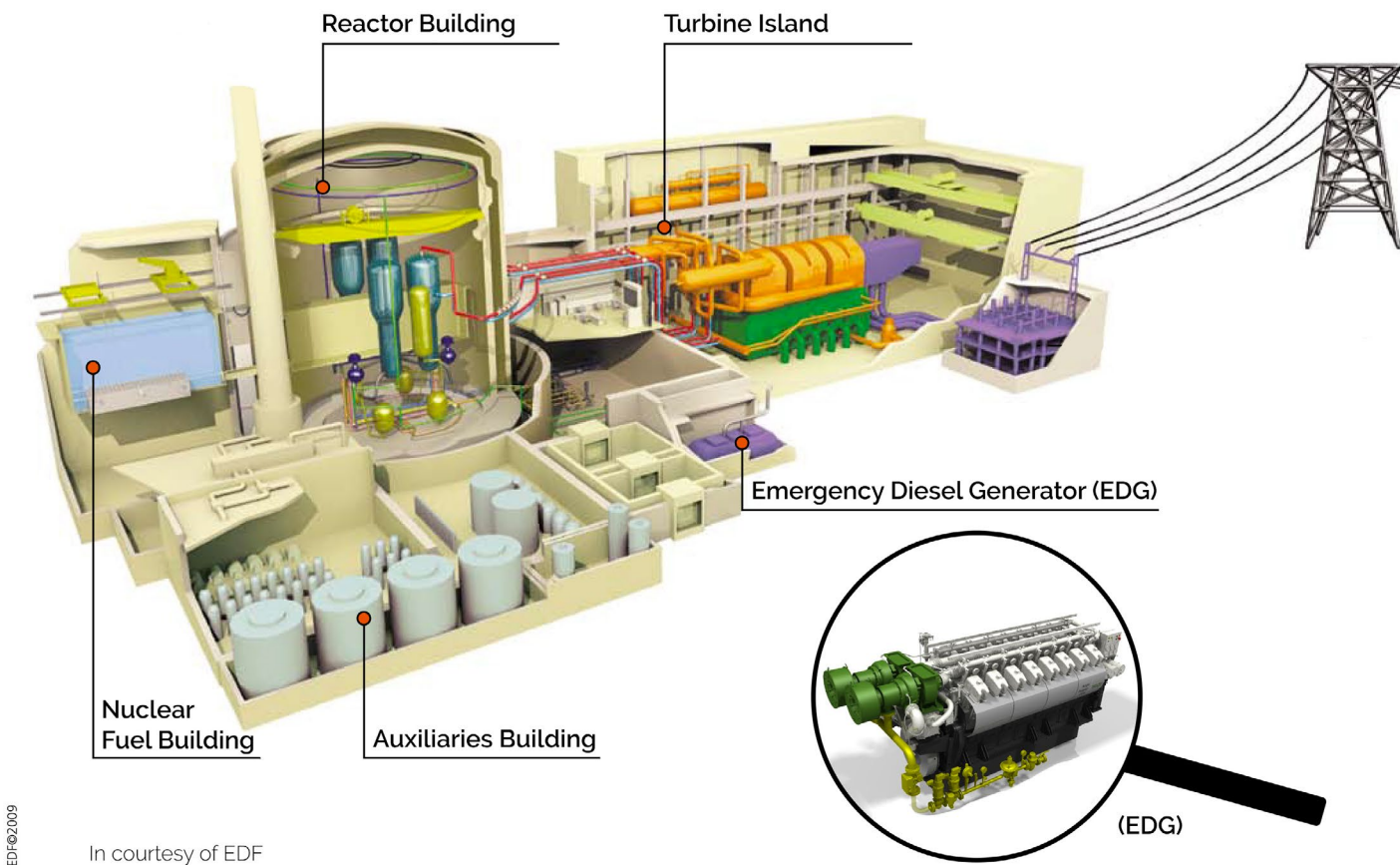
- RTD 4-wires (or 2 x 4-wires)
- Measuring range: -35°C/+120°C
- Classification: AIP-NC, K3 & K3ad according to RCC-E 2012



THERMOWELL AND FLANGES :
CMR design and provide a huge range of thermowells and flanges used for Nuclear instrumentation

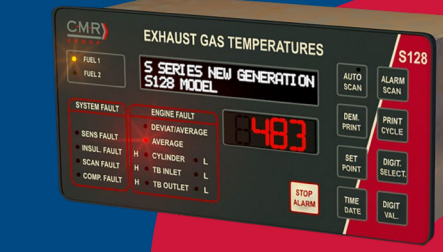
- Material in SS 316L or other steel on demand
- Designed for high pressure application
- Classification: AIP-NC and RCC-M

NUCLEAR POWERPLANT DETAILED OVERVIEW, WITHOUT AIR COOLER



BC/BS SERIES :
Recommended for the measuring of bearing temperature on rotating machine

- RTD 4-wires (or 2 x 4-wires)
- Or, Thermocouple K type simplex or duplex
- Measuring range: 0-200°C
- Classification: AIP-NC, K3 & K3ad according to RCC-E 2012



Designed for Nuclear environment, our S128NG & S129NG monitoring units are the simplest way to perform efficient monitoring of Emergency Diesel Generators parameters (EDG)

- ✓ EDG MAINTENANCE PROGRAM CAN BE SCHEDULED
- ✓ EDG SERIOUS DAMAGES CAN BE AVOIDED
- ✓ EDG CAN BE MAINTAINED TO ITS OPTIMUM PERFORMANCES



Modular construction based on racks (19 inch)
Custom made according to EDF specifications our 425NG monitoring systems are design without any integrated software.

**MONITORING
UNITS TOTALLY
CONFIGURABLE**

YOUR QUALIFIED PARTNER FOR NUCLEAR POWER PLANT



SPECIALIZED IN NUCLEAR POWER PLANT APPLICATIONS, CMR IS ALSO RECOGNIZED AND CERTIFIED BY ITS CUSTOMERS FOR ITS ENGINEERING.

Our qualified skills include the following expertise

- ✓ Electricity
- ✓ Automation & Control Command
- ✓ Instrumentation including qualified nuclear sensors
- ✓ Data Acquisition, Monitoring & Supervision
- ✓ System Integration
- ✓ Communication Network
- ✓ Intervention on site

In addition to our know-how, CMR is committed to provide its best possible services with only one target: **the proper completion of your project including:**

- ✓ Supply chain & Quality management
- ✓ Scheduling
- ✓ Project Management
- ✓ Installation, commissioning & Technical Support

INSTRUMENTATION AND CONTROL OVERVIEW :

CMR offers a wide range of custom and standard high-performance temperature sensors and accessories for safety-critical and Nuclear environment. We perform the engineering development, manufacturing, qualification and the supply chain management to provide you a high level of services.

