

# Nuclear market



Certified ISO 19443

Our customized solutions  
for your safety



GROUPE

*efire*

— Since 1872 —

# Nuclear Challenges, groupe Efire Solutions: Our Commitment, Your Success

## AN INTERNAL ORGANIZATION TAILORED TO YOUR PROJECTS

### THE EFIRE NUCLEAR EXPERTS

Efire's nuclear team members understand the requirements and specifics of the sector, having worked on major projects. Their expertise ensures process compliance, effective risk management and a high level of responsiveness, while enhancing the safety of your installations.

Our team of experts is actively involved in the French nuclear industry grouping (Gifen) and the Nuclear Valley competitiveness cluster.



### A PROJECT MANAGEMENT OFFICER (PMO) DEDICATED TO YOUR PROJECT

The Project Management Officer (PMO) assigned to your nuclear project is responsible for carefully monitoring, organizing and coordinating the project. He ensures that requirements are met and that processes are followed for efficient management. They play a key role in achieving strategic objectives.

## A RELIABLE ENGINEERING AND SERVICES DEPARTMENTS

### RESEARCH AND DEVELOPMENT DEPARTMENT



#### Studies

- Mechanical finite element analysis
- Reliability studies
- Support in writing specifications



#### Tests

- Mechanical and sealing
- Adapted to customer specifications



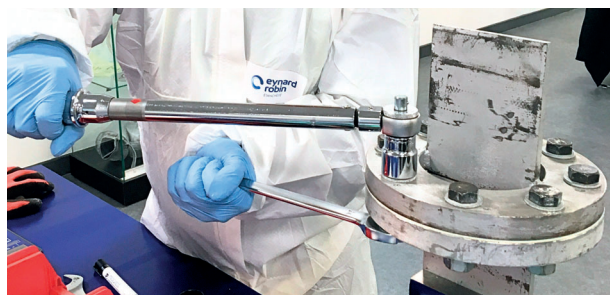
#### Collaboration contracts on our R&D projects



#### Development

- Existing ranges
- New product innovation

### TO MAKE YOUR INSTALLATIONS MORE RELIABLE, TRAIN YOUR TEAMS IN BOLTED FLANGE ASSEMBLY



The Eynard Robin Formations Bolted Flange Assembly training will enable you to understand leakage phenomena, understand will enable the interactions between elements and carry out quality jointing operations.



**Theoretical and practical content**  
based on real-life cases



**On your site or on our equipped premises**

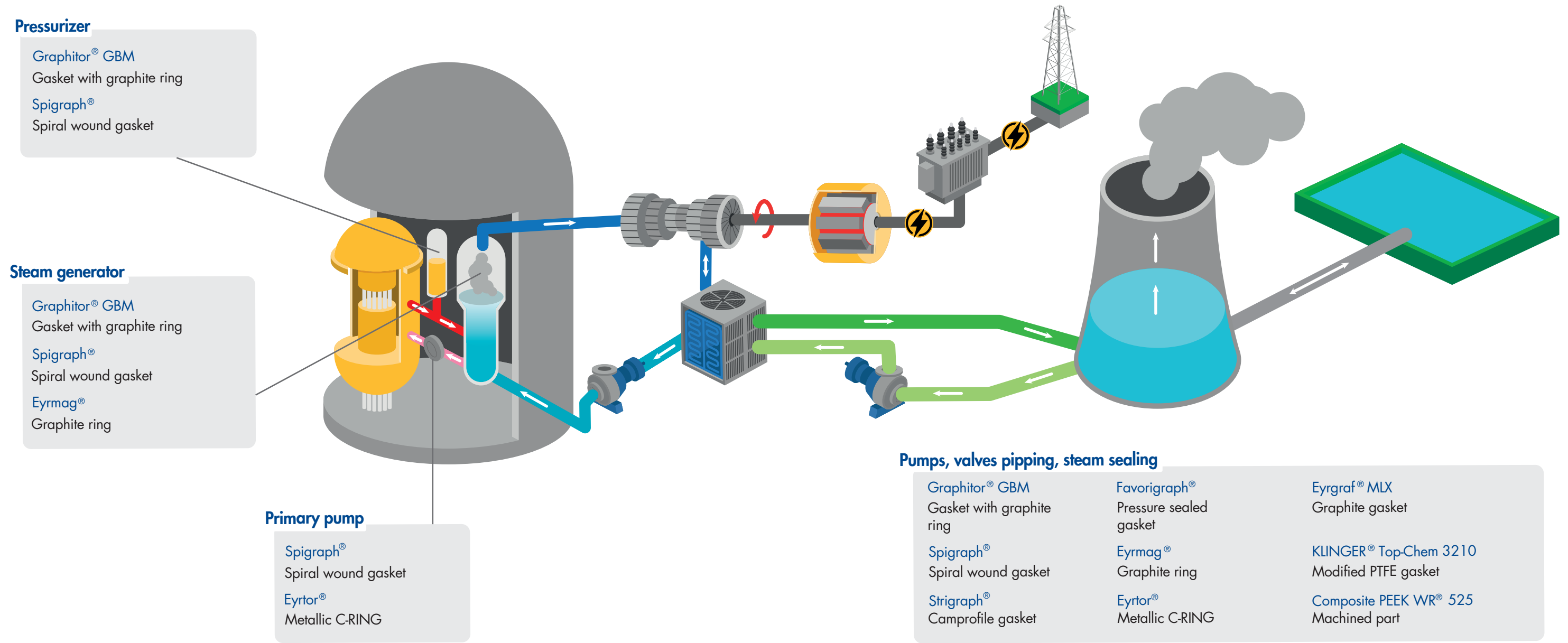


**Qualiopi certification**

Our training courses may be covered by your OPCO.

# 40 years of Nuclear Safety expertise

Groupe Efire solutions in your nuclear power plant



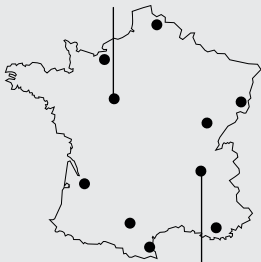
## EFIRE GROUP TRUSTED PARTNER OF MAJOR INDUSTRY PLAYERS

The Efire Group is specialized for more than 150 years in sealing, precision metal cutting, fluid transfer and has 10 production sites in France. We offer a wide range of standard and customized technical solutions to meet the most demanding industrial requirements.

Our companies Eynard Robin and Imperator Industries (certified ISO 19443) are recognized as experts in sealing solutions for nuclear industry processes. Our teams are with you at every step of your project, from defining your needs to manufacturing your customized solution.

Bringing solutions adapted to the industrie of tomorrow

**Imperator**  
INDUSTRIES



**eynard robin**

## CUSTOMER REFERENCES

**EDF**

Nuclear production cell, auxiliary circuit and cooling loop, exchangers, engine room

**ORANO Fuel cycle**

Uranium enrichment and waste processing

**FRAMATOME**

Steam generators, pressurizers and primary pumps

**GE Steam Power**

Pumps, turbine hall

**Research reactors**

RJH, RES, ITER

**Reactors equipped**

Provider of all running French power plants  
EPR Flamanville projects, Olkiluoto, Taishan 1 & 2 and Hinkley Point C 1 & 2...

**Engineering-design**

EDF Engineering, TechnicAtome, Cegelec CEM, Onet Technologies, Nuvia, Tractebel...

# Keep your installations tight and secure with our high-performance solutions



## EYRGRAF® MLX

### GRAPHITE GASKET

Pure flexible graphite reinforced with stainless steel inserts

PMUC N° 17-0412

## FAVORIGRAPH®

### PRESSURE SEALED GASKET

Graphite ring with metallic crush limiter

PMUC N° 17-0145

## GRAPHITOR® GBM

### GASKET WITH GRAPHITE RING

Graphite ring with stainless metal core

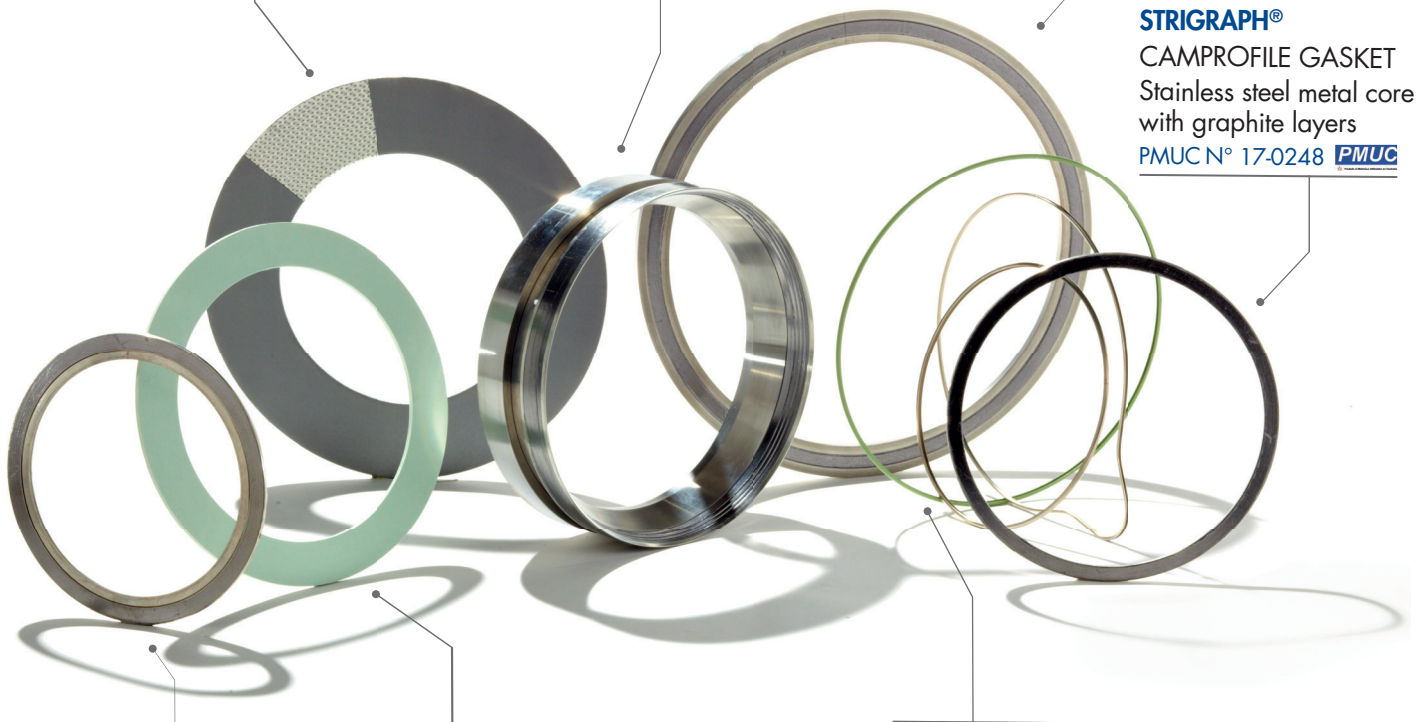
PMUC N° 17-0182

## STRIGRAPH®

### CAMPROFILE GASKET

Stainless steel metal core with graphite layers

PMUC N° 17-0248



## SPIGRAPH®

### SPIRAL WOUND GASKET

Stainless steel and graphite

PMUC N° 17-0244

## KLINGER® Top-Chem 3210

### MODIFIED PTFE GASKET

Modified PTFE filed with silicate

PMUC N° 17-0314

## EYRTOR®

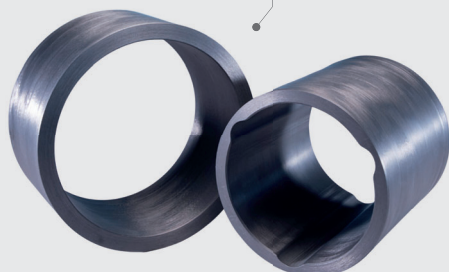
### METALLIC C-RING

Stainless steel or alloy ring with a silver, gold, nickel, tin coating

## HIGH TEMPERATURE THERMOPLASTIC COMPOSITE

### PEEK WR® 525 COMPOSITE

HIGH TEMPERATURE  
THERMOPLASTIC COMPOSITE  
Thermoplastic composite with carbon  
in a PEEK matrix



Extend the life of the wearing parts of your pumps

Greene Tweed's WR® (Wear Resistant) range reduces wear and friction, while improving anti-stick and anti-seize performance. With extended dry running and exceptional chemical resistance, WR® materials increase the stability and efficiency of your equipment.

### KEY BENEFITS

- High chemical resistance
- Low friction coefficient
- Shock resistance
- Thermal shock resistance



**Imperator**  
INDUSTRIES

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