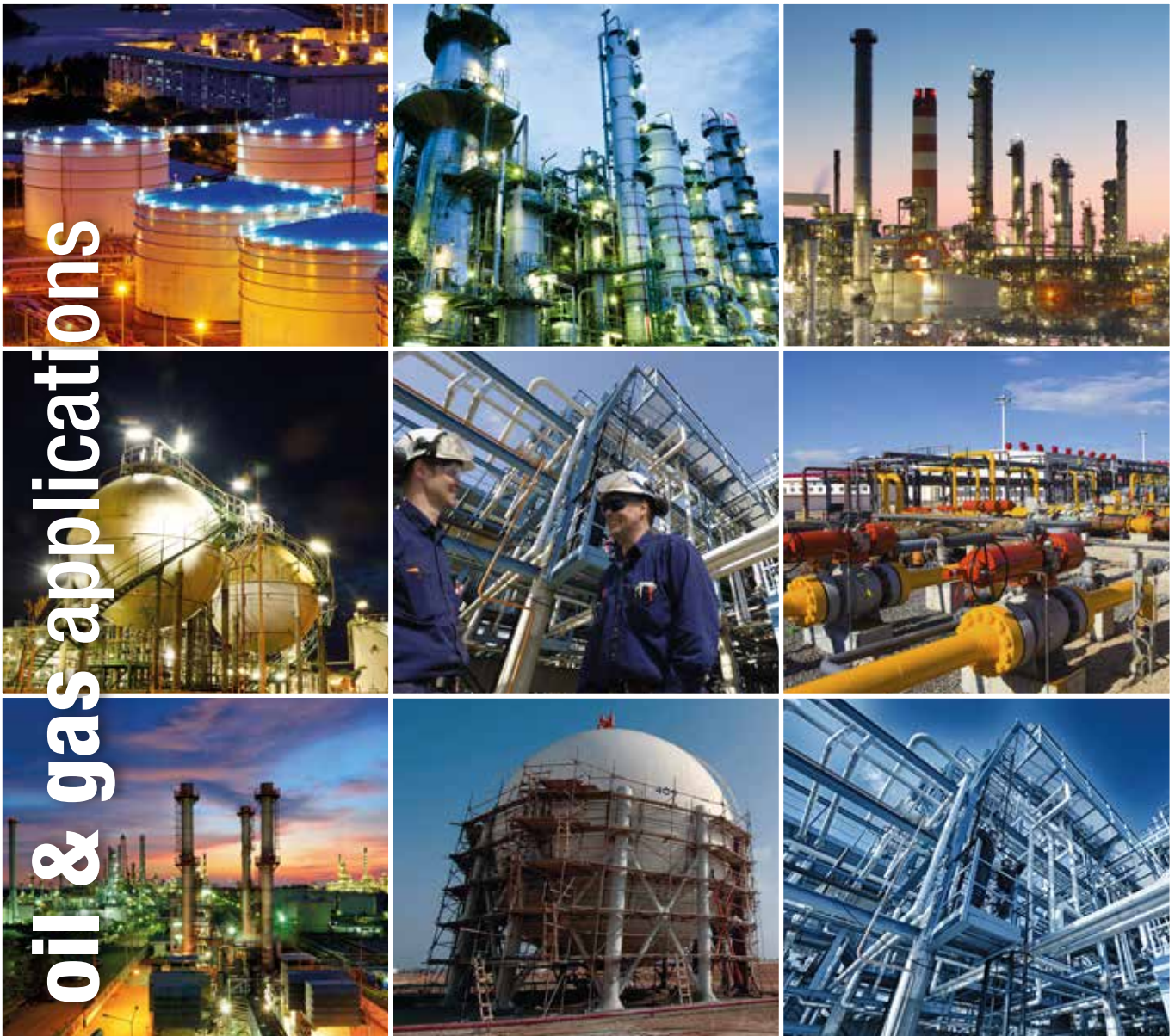


# Oil & Gas Solutions

Fire, Blast & Thermal Protection For The Oil & Gas Industry



oil & gas applications

### ENGINEERING FIRE & THERMAL INSULATION SOLUTIONS FOR A SAFER WORLD

#### ABOUT Promat



Promat is a global leader in the dynamic business of sophisticated fire science technologies. It is a proactive link in the worldwide network of the Etex Group, whose consolidated turnover closed financial 2013 in excess of €3 billion. The Group's presence is deeply rooted in 45 countries, 119 production sites and it employs more than 17,000 professionals dedicated to making the increasingly complex built environment a better place for all to live, work and prosper.

Promat is synonymous for quality. Its tried, tested and proven products and systems are nowadays effectively at work throughout many building and construction projects, and in the marine and strategically important oil and gas industries. The company also has a specialised reputation for bringing the same high levels of quality fire performance and risk accountability to many different types of tunnel applications and underground structures.

Only Promat offers the kind of in-depth expertise that comes from six decades of cutting edge Research and Development...it's an unrivalled Knowledge Centre second to none in protecting precious human life and expensive property against the ravages of uncontrolled fire, smoke and fumes, and heat.

### A PROVEN EXPERTISE

#### Promat CAPABILITY



**FINANCIAL  
STANDING**



**TECHNICAL  
DOCUMENTATION**



**TRACK RECORD  
& EXPERTISE**



**QUALITY  
& HSE**



**SALES & TECHNICAL  
SERVICE**

### OIL & GAS SOLUTIONS

#### ENGINEERING THE BEST PROTECTIVE SYSTEM

With over 50 years experience in the development, manufacture and supply of fire protection coating systems to protect structural steel and concrete structures, Promat is ideally placed to advise you on the specification of passive fire protection solutions for onshore and offshore petrochemical facilities.

To date, Promat have successfully protected over 20 millions m<sup>2</sup> of equipment structures, pipe racks and storage vessels with its market-leading brands including the PROMASPRAY® FMII / Cafco FENDOLITE®-MII integrated coating system. In addition, Promat provides robust and proven fire barrier systems to protect personnel and equipment using its DURASTEEL® fire and blast protection panels.

Promat High Performance Insulation (HPI) is the business unit within Promat that specializes in the design and production of innovative high performance insulation products which can be applied singularly or as combinations in cost effective and energy efficient state-of-the-art thermal management solutions.

Promat HPI insulation solutions are used widely in petrochemical processing applications where close control of energy loss ensures optimized thermal management and process control.

Promat HPI offer the widest range of high performance insulation products.



Promat can offer an holistic approach to protecting petrochemical facilities, providing protection to structural steel storage vessels, equipment and personnel protection, as well as providing thermal insulation solutions.



### PROTECTING CONSTRUCTIONS AGAINST FIRE

#### STRUCTURAL STEEL & STORAGE VESSEL PROTECTION

- ✓ Market-leading PROMASPRAY® FMII / Cafco FENDOLITE®-MII integrated fire protection coating system
- ✓ Proven fire attack capability and reliability
- ✓ Over 30 years unrivalled experience
- ✓ Complete suite of testing and approvals
- ✓ Proven ease and rapid installation
- ✓ Demonstrated effective whole-life cost profile



### PROTECTING PEOPLE AGAINST FIRE

#### EQUIPEMENT & PERSONNEL FIRE PROTECTION

- ✓ Promat DURASTEEL® composite steel panels for fire and blast protection
- ✓ Up to 240 minutes fire and blast protection
- ✓ Successfully installed for over 75 years
- ✓ Independent fire tests to International Standards (BS, ANSI, UL, Lloyds)
- ✓ Fit-and-forget system which requires no maintenance
- ✓ Lightweight and easy to install
- ✓ Global sales and technical support



### PROTECTING AGAINST TEMPERATURES

#### HIGH PERFORMANCE INSULATION

- ✓ Microporous insulation for onshore piping, including flex panels and moulded pipe sections
- ✓ Microporous insulation for offshore piping, including IZOFLEX®
- ✓ Calcium silicates, high temperature wools and refractory systems for fired heaters
- ✓ Best-in-class thermal insulation solutions with lowest thermal conductivity
- ✓ Operating temperatures ranging from -45°C up to 1200°C and above
- ✓ Reduce energy costs by minimizing heat loss
- ✓ Better process control and optimal product quality
- ✓ Lower installation and maintenance cost
- ✓ Customized state-of-the-art engineered solutions



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