

**ENGINEERING EXCELLENCE**  
**& ASSET OPTIMISATION FOR A SUSTAINABLE TOMORROW**

[www.dgc-petrocare.com](http://www.dgc-petrocare.com)

# INTEGRATED INDUSTRIAL & ASSET INTEGRITY SOLUTIONS FOR THE KINGDOM

DGC Petrocare Arabia LLC combines over a century of industrial service expertise from **Dickinson Group of Companies** (founded in 1910) with the precision engineering and local capability of **Petrocare Arabia**.

We offer a unified, end-to-end approach to industrial plant maintenance, refractory services, asset integrity management, furnace demolition, and lancing. Our services are designed to meet the unique challenges of high-risk environments such as those found in metallurgical, petrochemical, power generation, and heavy industrial sectors.

**WE PRIORITISE DELIVERING  
LONG-TERM PERFORMANCE,  
ENSURING PLANT SAFETY,  
& SUPPORTING SUSTAINABLE OPERATIONS  
THROUGH A COMMITMENT TO INNOVATION,  
OPERATIONAL RELIABILITY,  
& LOCAL EXECUTION EXCELLENCE**



Our services are tailored for high-risk environments across metallurgical, petrochemical, power, and heavy industries. Our commitment extends beyond technical delivery, embracing workforce localisation, smart monitoring technologies, and alignment with the Kingdom of Saudi Arabia's Vision 2030.

Our mission is to be the driving force behind our customers' journey toward operational excellence, profitability, and sustainable growth. This includes a firm commitment to the integration of smart monitoring technologies and the development of local workforce skills, enabling data-driven decision-making and fostering long-term national capabilities within the Kingdom. We deliver high-quality, innovative, and cost-effective solutions that enhance reliability, efficiency, and safety across operations.



# VISION 2030

## IN SUPPORT OF THE KINGDOM'S VISION 2030

Launched in 2016 under the leadership of King Salman bin Abdulaziz Al Saud and Crown Prince Mohammed bin Salman, Vision 2030 is a transformative national strategy designed to diversify Saudi Arabia's economy, empower citizens, attract investment, and position the Kingdom as a global leader in innovation and sustainability.

DGC Petrocare Arabia LLC is proud to support this bold vision. As a joint venture between Dickinson Group of Companies and Petrocare Arabia, we are contributing to the Kingdom's industrial transformation through:

- Strengthening local capabilities and workforce development
- Enabling operational excellence and sustainability in energy and industrial sectors
- Promoting innovation, safety, and advanced technology integration
- Supporting industrial diversification and private sector growth

### VISION 2030 PILLARS:

- A Vibrant Society
- A Thriving Economy
- An Ambitious Nation



# ABOUT US

## AS A JOINT VENTURE

BETWEEN DICKINSON GROUP OF COMPANIES & PETROCARE ARABIA, DGC PETROCARE ARABIA DELIVERS INTEGRATED ENGINEERED MAINTENANCE & PERFORMANCE SOLUTIONS.

With global experience across Africa, the Middle East, Asia, South America, and Scandinavia, and Petrocare's local engineering strength, we serve the Kingdom with:



## CORE SERVICES

**FURNACE & REFRactory SERVICES**

**PROTECTIVE LINING & WEAR SOLUTIONS**

**INDUSTRIAL MAINTENANCE &  
SHUTDOWN SUPPORT**

**ASSET INTEGRITY & DIGITAL MONITORING**

**ENGINEERING & TECHNICAL SERVICES**

**TRAINING & DEVELOPMENT**

**REFRACTORY MATERIALS SUPPLY**

**REFRACTORY ANCHOR SYSTEMS  
MANUFACTURING**

We specialise in servicing mining, metals smelting, petrochemicals, oil & gas, power generation, and cement industries with an emphasis on safety, efficiency, and sustainability.

## PETROCARE ARABIA'S CONTRIBUTIONS

- Process engineering and optimisation
- Mechanical integrity and asset performance management
- Maintenance and turnaround planning
- Inspection, NDT, and corrosion monitoring

OUR VISION

# IS TO BE THE LEADING INDUSTRIAL & ASSET INTEGRITY SOLUTIONS COMPANY IN THE KINGDOM

DRIVEN BY INNOVATION, QUALITY, & SUSTAINABILITY TO ENSURE THE SUCCESS OF OUR CUSTOMERS & THE PROGRESS OF THE KINGDOM'S INDUSTRIAL FUTURE.

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## OUR MISSION

To be the driving force behind our customers' journey toward operational excellence, profitability, and sustainable growth. We deliver top-tier asset integrity management and industrial solutions that not only meet but exceed industry standards.

## OUR PURPOSE

We are dedicated to fostering enduring partnerships based on trust, excellence, and commitment. By empowering our customers and employees alike, we contribute to broader industrial development and sustainability in the Kingdom.



**OUR VALUES  
ARE THE  
BEDROCK  
OF OUR  
CORPORATE  
CULTURE.**

### PEOPLE



We hold our exceptional employees to high standards, and we encourage them to continuously strive for excellence.

### INTEGRITY



We are driven to do the right thing and surround ourselves with like-minded people.

### TRUST



We firmly believe in our employees to act in the best interests of our customers and company.

### SERVICE



We are a customer-centric services business. We focus on understanding our customers' needs, ensuring we always meet their expectations.

### INNOVATION



We strive to provide our customers with innovative solutions to enhance the service life of their operating assets.



# ASSET INTEGRITY & DIGITAL MONITORING

DGC PETROCARE ARABIA'S ASSET INTEGRITY MANAGEMENT (AIM) PROGRAM IS DESIGNED TO OPTIMIZE THE PERFORMANCE & LONGEVITY OF INDUSTRIAL ASSETS THROUGH THE INTEGRATION OF ADVANCED DIGITAL TOOLS, PREDICTIVE STRATEGIES, & SPECIALIZED DIAGNOSTICS.

Our solutions are tailored to address the unique challenges faced by industries in the Kingdom, ensuring safe, efficient, and sustainable operations.



AT THE CORE OF OUR AIM PROGRAMME IS A COMMITMENT TO LEVERAGING  
**CUTTING-EDGE TECHNOLOGIES  
& DATA-DRIVEN APPROACHES**  
TO ENABLE THE TRANSITION FROM REACTIVE  
TO CONDITION-BASED & PREDICTIVE MAINTENANCE

By combining real-time data acquisition, AI-powered analytics, and machine learning models, we empower our clients to make informed decisions that enhance operational resilience, improve efficiency, and sustain productivity.

**OUR COMPREHENSIVE SUITE OF ASSET INTEGRITY SERVICES INCLUDES:**

- In-depth asset integrity assessments and risk-based inspection strategies
- Real-time condition monitoring powered by advanced sensors and IoT technology
- Predictive maintenance models that identify potential issues before they impact operations
- Online condition monitoring and tribology-based analysis for early fault detection
- Specialized oil analysis services to proactively identify wear, contamination, and degradation





**THE BENEFITS OF OUR AIM PROGRAMME ARE FAR-REACHING, ENABLING OUR CLIENTS TO:**

- Transition from costly reactive maintenance to proactive, data-driven strategies
- Streamline maintenance tasks, asset tracking, and inventory management
- Minimise unplanned downtime through early identification and intervention
- Extend the useful life of critical assets and improve overall equipment reliability
- Achieve measurable cost savings and enhance workplace safety

**BY PARTNERING WITH DGC PETROCARE ARABIA, INDUSTRIAL OPERATORS IN THE KINGDOM CAN UNLOCK THE FULL POTENTIAL OF THEIR ASSETS, ENSURING OPTIMAL PERFORMANCE, RELIABILITY, & COMPLIANCE WITH THE HIGHEST STANDARDS OF SAFETY & SUSTAINABILITY**



# FURNACE & REFRactory SERVICES

WITH OVER 115 YEARS OF INTERNATIONAL EXPERIENCE, DGC HAS ESTABLISHED ITSELF  
AS A GLOBAL LEADER IN FURNACE & REFRactory SERVICES  
DELIVERING INNOVATIVE AND DEPENDABLE SOLUTIONS FOR METALS SMELTING  
& MINERAL PROCESSING INDUSTRIES.

DGC Petrocare Arabia builds on this legacy to serve the Kingdom with unmatched expertise and technical excellence.

**OUR COMPREHENSIVE SOLUTIONS ARE DESIGNED TO ADDRESS THE OPERATIONAL CHALLENGES OF HIGH-TEMPERATURE INDUSTRIAL PROCESSES WHILE ENSURING MAXIMUM PLANT UPTIME, SAFETY, & LONG-TERM RELIABILITY**



## FURNACE & SMELTER SERVICES

DGC Petrocare Arabia offers a wide range of specialised services for furnaces and smelters, aimed at optimising performance, extending service life, and minimizing downtime.

### OUR EXPERTISE COVERS THE FULL SPECTRUM OF FURNACE MAINTENANCE & OPERATION, INCLUDING:

- Turnkey smelter and furnace maintenance projects, from planning to execution
- Advanced lancing techniques and controlled furnace demolition
- Refractory installation, maintenance, and precast shape fabrication
- Supply of high-quality refractory materials and custom-designed anchor systems
- Comprehensive furnace inspections, QA/QC, and refractory performance assessments

Our team of experienced professionals brings a wealth of knowledge and practical skills to every project, ensuring that our clients' furnaces and smelters operate at peak efficiency, safety, and reliability.



# REFRACTORY MATERIALS

DGC Petrocare Arabia provides a comprehensive range of high-performance refractory materials specifically engineered to withstand the most demanding industrial environments.

## OUR PRODUCT PORTFOLIO INCLUDES:

- Shaped refractories such as magnesia and silica bricks for high-temperature applications
- Monolithic refractories, including castables and ramming mixes for easy installation and repair
- Functional refractories like slide gates, ladle nozzles, purging plugs, and insulating products
- Specialty refractories designed for specific industrial processes and operating conditions



Our refractory materials are carefully selected and rigorously tested to ensure exceptional durability, thermal stability, and resistance to chemical attack.



WE WORK CLOSELY WITH OUR CLIENTS TO RECOMMEND THE MOST SUITABLE **REFRACTORY SOLUTIONS** BASED ON THEIR UNIQUE PROCESS REQUIREMENTS, EMPHASISING PRODUCT RELIABILITY, SUSTAINABILITY, & STRICT QUALITY CONTROL STANDARDS



# ANCHOR SYSTEMS

DGC Petrocare Arabia specializes in the design, manufacture, and supply of advanced refractory anchor systems that enhance the performance and longevity of refractory linings.

**OUR STATE-OF-THE-ART PRODUCTION FACILITIES & IN-HOUSE ENGINEERING CAPABILITIES ENABLE US TO DELIVER CUSTOM SOLUTIONS FOR A WIDE RANGE OF APPLICATIONS, INCLUDING:**

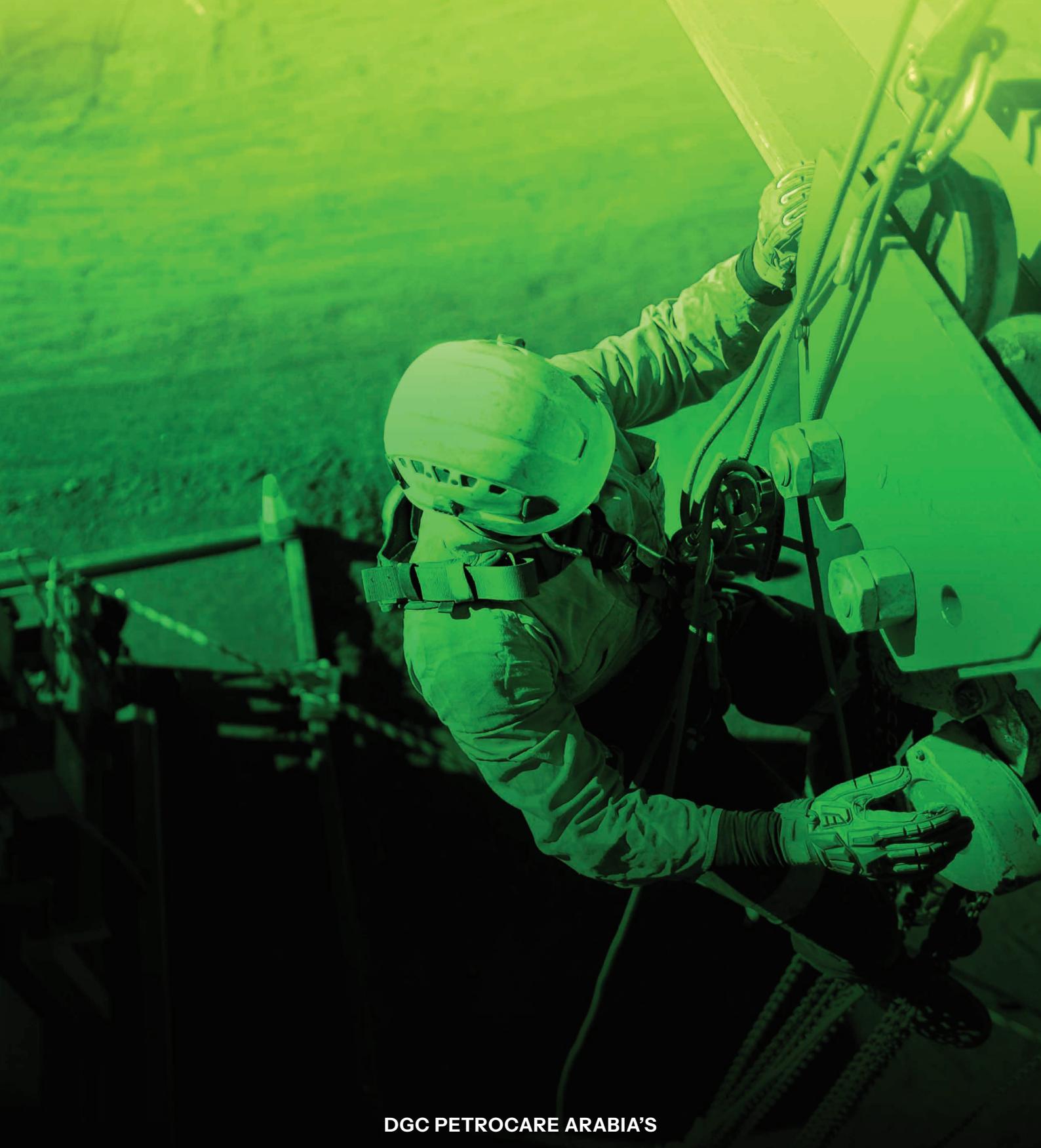
- Bricks, castables, mouldable, and ceramic fibre linings
- Service temperatures up to 1600°C
- Various high-temperature alloys to suit specific process conditions
- Complementary components such as ceramic fibre anchors, refractory armour systems, wear studs, and shear connectors



**BY OPTIMISING THE DESIGN & MATERIALS OF OUR ANCHOR SYSTEMS, WE HELP OUR CLIENTS ACHIEVE FASTER INSTALLATION TIMES, REDUCED LABOUR COSTS, & SIGNIFICANTLY IMPROVED SERVICE LIFE FOR THEIR REFRactories LININGS**



Our expert team works hand in hand with clients to develop tailored solutions that maximise efficiency, reliability, and overall value.

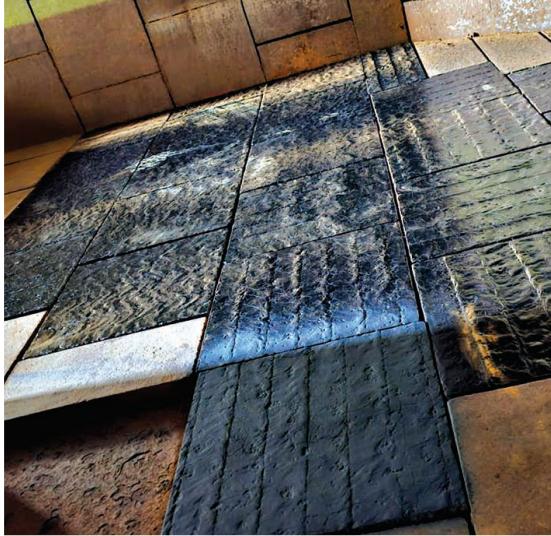


DGC PETROCARE ARABIA'S

# INDUSTRIAL LININGS SERVICES

**ARE DESIGNED TO ENHANCE THE DURABILITY & EFFICIENCY  
OF CRITICAL EQUIPMENT OPERATING IN HARSH CONDITIONS**

across various sectors, including mining, cement production, petrochemicals, and power generation.



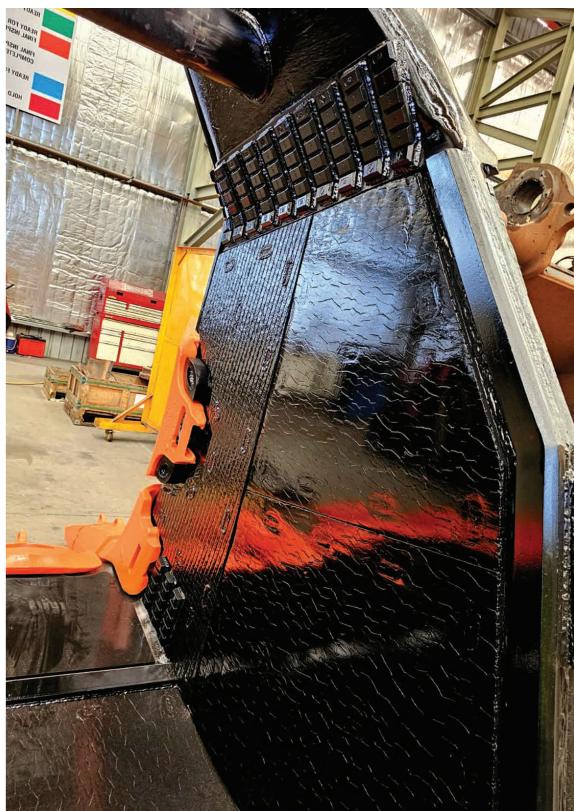
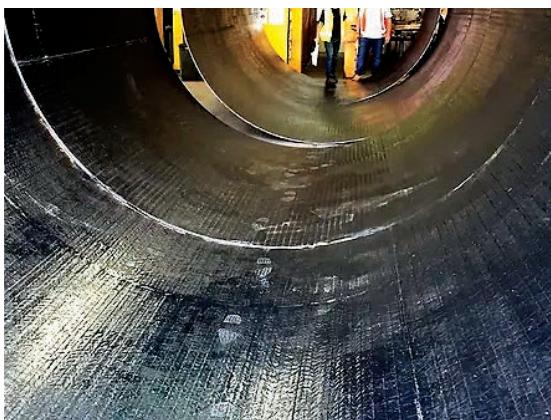
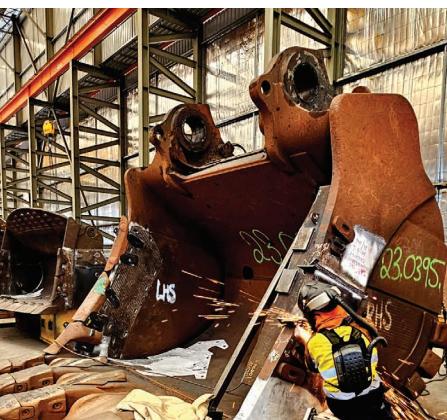
## WELD OVERLAY & ABRASION PROTECTION

Our weld overlay and abrasion protection solutions are engineered to withstand extreme wear, impact, and corrosion, extending the service life of vital equipment and reducing maintenance costs.

### OUR OFFERINGS INCLUDE:

- Weld overlay products for superior abrasion and impact resistance
- Bi-metallic wear castings for enhanced durability in high-stress environments
- Tungsten carbide hard-facing for exceptional wear resistance
- Quenched and tempered steel plates for improved toughness and stability
- Titanium carbide wear liners for ultimate protection against abrasion and erosion

By implementing these advanced protection systems, our clients can significantly reduce downtime, minimise operational costs, and improve the overall performance and lifespan of their machinery.





## CERAMIC COMPOSITE LININGS

DGC Petrocare Arabia offers cutting-edge ceramic composite lining solutions that combine the superior wear and corrosion resistance of advanced ceramics with the versatility and toughness of engineered polymers.

### THESE STATE-OF-THE-ART LININGS ARE IDEAL FOR:

- Pipelines and fluid handling systems exposed to erosive or corrosive media
- Heat exchangers and process vessels operating at elevated temperatures
- Pumps, valves, and other equipment subjected to high levels of wear and tear
- Industrial environments where chemical resistance is critical



#### EXTREME DURABILITY

Exceptional resistance to wear, corrosion, and high temperature



#### LIGHT-WEIGHT DESIGN

Provides a lightweight alternative to traditional materials



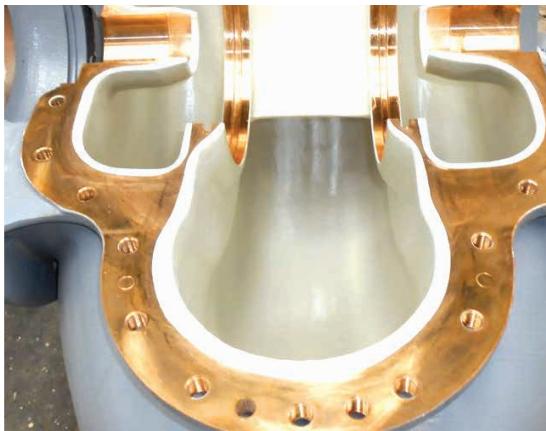
#### ENHANCED THERMAL STABILITY

Effective in extreme temperatures, ideal for furnaces and kilns



#### CHEMICAL RESISTANCE

Inherently resistant to corrosive chemicals



**OUR CERAMIC COMPOSITE LININGS FORM A VIRTUALLY IMPENETRABLE BARRIER AGAINST ABRASION, CORROSION, & CHEMICAL ATTACK, DRAMATICALLY EXTENDING EQUIPMENT SERVICE LIFE & REDUCING THE FREQUENCY OF MAINTENANCE INTERVENTIONS**



## ACID BRICK LINING SOLUTIONS

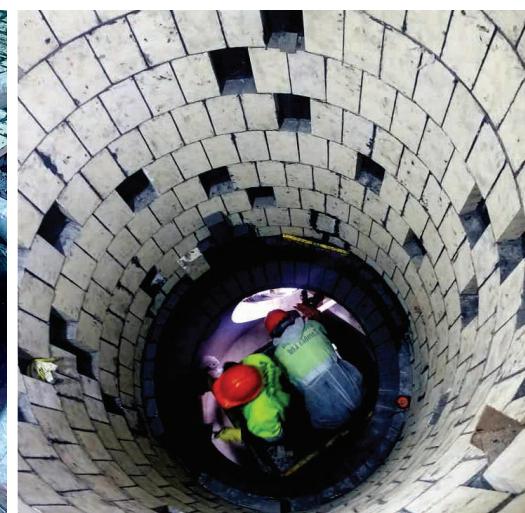
For industries dealing with highly corrosive environments, such as chemical processing plants and mining operations, DGC Petrocare Arabia provides specialised acid brick lining solutions.

**OUR SYSTEM COMBINES PREMIUM ACID-RESISTANT BRICKS WITH ADVANCED, CHEMICALLY RESISTANT MORTAR TO CREATE A ROBUST, LONG-LASTING PROTECTIVE LAYER AGAINST THE MOST AGGRESSIVE SUBSTANCES**

### KEY BENEFITS OF OUR ACID BRICK LINING SOLUTIONS INCLUDE:

- Exceptional resistance to a wide range of corrosive chemicals and acids
- Excellent thermal stability and resistance to thermal shock
- Improved operational safety and reduced environmental risks
- Simplified maintenance and longer intervals between repairs

Our expert team works closely with clients to design and install custom acid brick lining systems that meet the specific demands of their industrial processes, ensuring optimal protection, reliability, and compliance with the strictest safety and environmental regulations.





DGC PETROCARE ARABIA OFFERS COMPREHENSIVE

# INDUSTRIAL MAINTENANCE & SHUTDOWN SUPPORT SERVICES

AIMED AT OPTIMISING PLANT PERFORMANCE, MINIMISING DOWNTIME,  
& ENSURING THE SAFE & EFFICIENT EXECUTION OF CRITICAL MAINTENANCE ACTIVITIES.



Our experienced team of professionals has a proven track record in delivering maintenance excellence and turnaround efficiency across a wide range of industries, including metals and mining, petrochemicals, cement production, and power generation.

#### **KEY SERVICES INCLUDE:**

- Comprehensive shutdown planning and management for heavy industrial facilities
- Furnace-related mechanical project execution, including demolition, rebuild, and refractory work
- Specialized services such as silo cleaning, catalyst handling, and industrial vacuumation
- Co-ordination of multidisciplinary teams to ensure seamless execution of complex maintenance tasks
- Implementation of best practices in safety, quality control, and environmental compliance



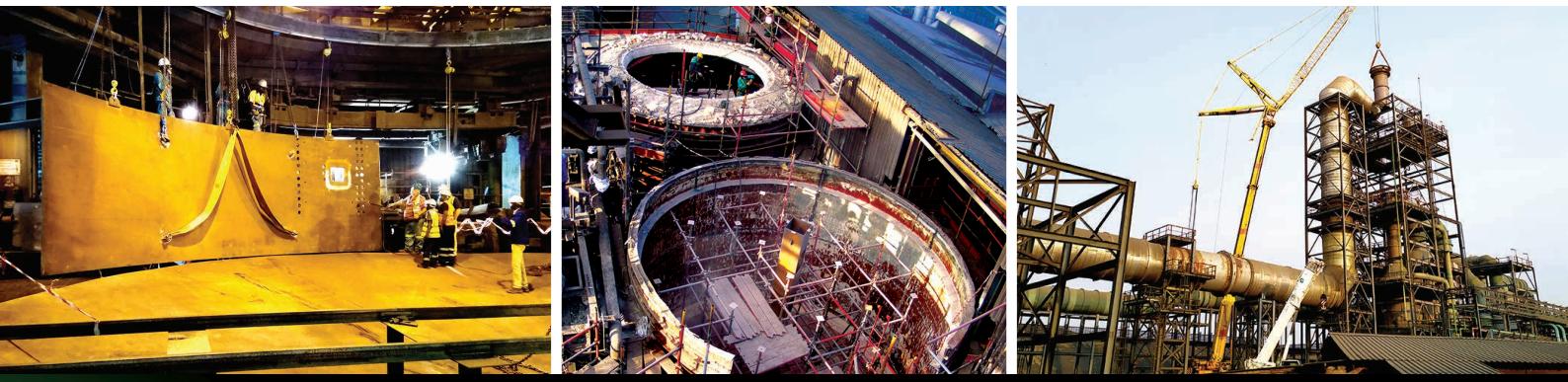
**BY PARTNERING WITH DGC PETROCARE ARABIA, INDUSTRIAL OPERATORS CAN BENEFIT FROM OUR EXTENSIVE EXPERTISE, STATE-OF-THE-ART EQUIPMENT, & COMMITMENT TO DELIVERING PROJECTS ON TIME, ON BUDGET, & TO THE HIGHEST STANDARDS OF SAFETY & QUALITY**

# ENGINEERING & TECHNICAL SERVICES

Petrocare Arabia brings a wealth of engineering and technical expertise to the DGC Petrocare Arabia joint venture, enabling us to offer a comprehensive range of services tailored to the specific needs of industrial clients in the Kingdom.

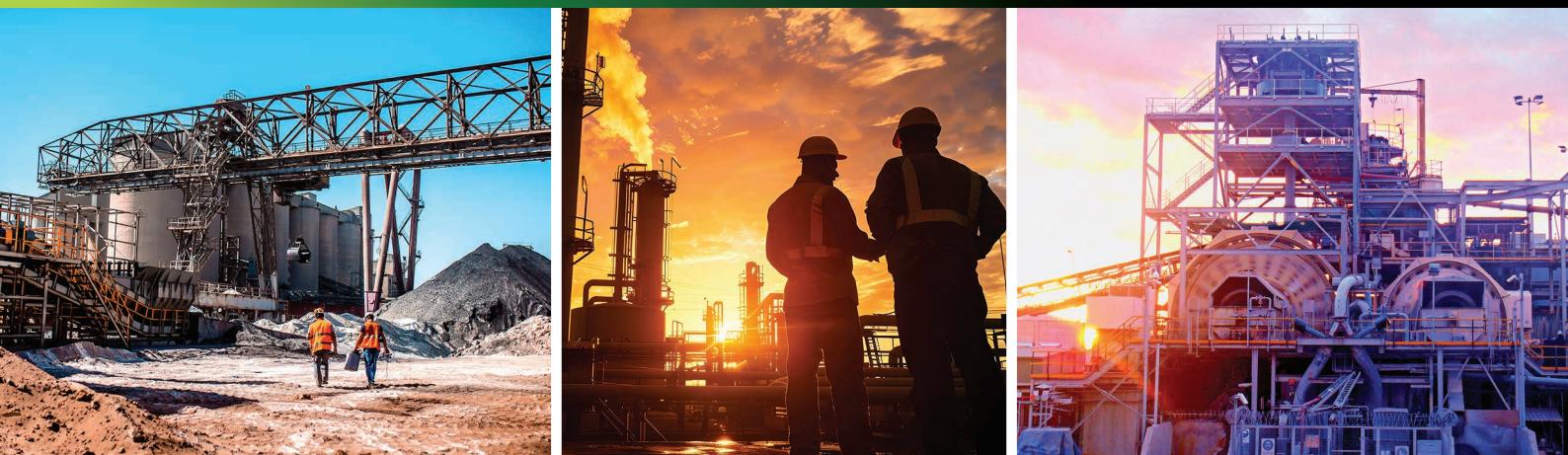
## OUR MULTI-DISCIPLINARY ENGINEERING TEAM HAS EXTENSIVE EXPERIENCE IN:

- Process engineering and optimisation, ensuring efficient and reliable plant operations
- Mechanical, piping, electrical, instrumentation, and control systems engineering
- Project management and construction supervision, from concept to commissioning
- Development and implementation of effective maintenance and reliability strategies
- Advanced inspection techniques, risk-based integrity management, and non-destructive testing (NDT)



BY LEVERAGING PETROCARE'S DEEP UNDERSTANDING OF THE LOCAL INDUSTRIAL LANDSCAPE & COMBINING IT WITH DGC'S GLOBAL EXPERTISE IN SPECIALISED SERVICES, WE PROVIDE OUR CLIENTS WITH INTEGRATED, END-TO-END SOLUTIONS

that drive operational excellence, maximise asset performance, and support long-term sustainable growth.





## TRAINING & DEVELOPMENT

DGC Petrocare Arabia is committed to contributing to the development of a highly skilled, locally-based workforce in line with the objectives of Saudi Vision 2030. We offer a range of training and development programmes designed to enhance the technical and leadership capabilities of industrial professionals in the Kingdom.

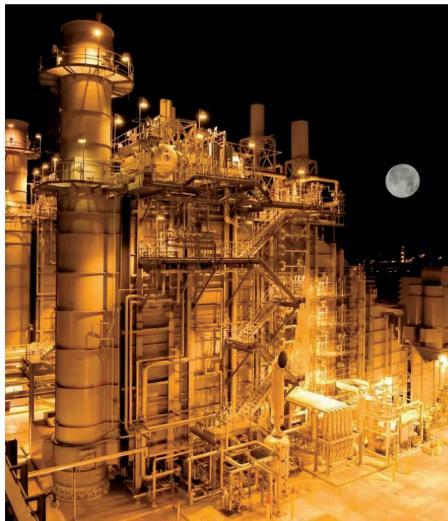
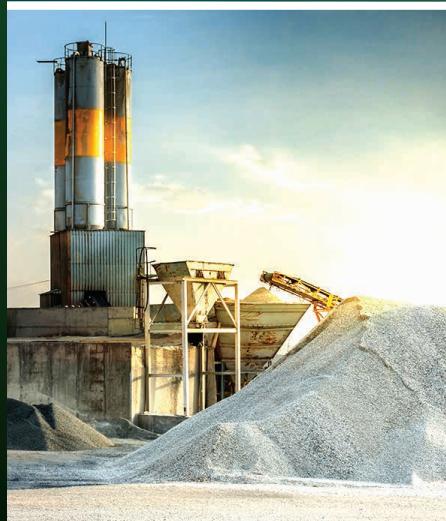
### OUR TRAINING OFFERINGS COVER A WIDE SPECTRUM OF TOPICS, INCLUDING:

- Technical skills development in areas such as maintenance, inspection, and reliability engineering
- Competency assessments and targeted training plans to address skill gaps
- Specialised training for operators and maintenance technicians
- Health, safety, and environment (HSE) training to ensure compliance with industry best practices
- Leadership and soft skills development to foster a culture of continuous improvement



**BY INVESTING IN THE SKILLS & KNOWLEDGE  
OF THE LOCAL WORKFORCE,  
DGC PETROCARE ARABIA AIMS TO SUPPORT  
THE GROWTH & SUSTAINABILITY  
OF THE KINGDOM'S INDUSTRIAL SECTOR,  
WHILE CREATING REWARDING CAREER  
OPPORTUNITIES FOR SAUDI NATIONALS**

WE  
SERVE



## VARIOUS INDUSTRIES

MINING & MINERALS PROCESSING | ALUMINIUM & STEEL | CEMENT & LIME  
OIL & GAS | PETROCHEMICALS | FERTILIZERS & CHEMICALS  
POWER GENERATION | GENERAL HEAVY INDUSTRY

# WHY DGC PETROCARE ARABIA

## GLOBAL EXPERTISE, LOCAL EXECUTION

- Over a century of DGC's international experience, with successful projects across the Middle East, Africa, Asia, South America, and Scandinavia
- Petrocare Arabia's deep understanding of the Saudi industrial landscape
- Strategic localisation in the Kingdom, with offices located in Saudi Arabia
- Plans for further expansion across the Middle East to serve emerging industrial hubs

## INTEGRATED, END-TO-END SOLUTIONS

- Comprehensive range of services, from furnace maintenance and refractory supply to mechanical services, asset integrity management, and specialised industrial solutions
- In-house capabilities for refractory materials production and anchor systems manufacturing

## ALIGNMENT WITH SAUDI VISION 2030

- Commitment to localisation, skills development, and knowledge transfer
- Support for innovation, digital transformation, and sustainable industrial growth
- Active contribution to the development of the Kingdom's private sector

## CUTTING-EDGE DIGITAL SOLUTIONS

- Leveraging advanced technologies such as artificial intelligence, the Internet of Things, and predictive analytics to enable data-driven decision making
- Digitally-enabled services for enhanced asset performance, optimised maintenance, and improved operational efficiency

## UNWAVERING FOCUS ON SAFETY & QUALITY

- Strict adherence to the highest standards of health, safety, and environmental protection
- ISO-certified quality management systems ensuring consistent, reliable delivery
- Continuous improvement and adoption of industry best practices



PARTNER WITH DGC PETROCARE ARABIA TO ELEVATE YOUR OPERATIONS  
WITH WORLD-CLASS RELIABILITY, SUSTAINABILITY, & PERFORMANCE.

# LET'S ENGINEER THE FUTURE OF THE KINGDOM'S INDUSTRIES TOGETHER

At DGC Petrocare Arabia LLC, we are committed to delivering excellence through innovation and an unwavering commitment to quality. Our integrated industrial and asset integrity solutions are designed to help you achieve operational excellence, profitability, and sustainable growth. With our global expertise, local execution capabilities, and alignment with Saudi Vision 2030, we are uniquely positioned to support your journey towards a more reliable, efficient, and sustainable future.



CONTACT US TODAY TO DISCUSS HOW WE CAN PARTNER WITH YOU  
to optimise your plant performance, maximise asset life, and contribute to  
the Kingdom's industrial transformation.

**DGC PETROCARE ARABIA LLC**

District, 8240  
Al Amir Muhammed Ibn Fahd Road  
Al Rabie. Dammam. 32241  
Saudi Arabia

**Tel / Fax:** +966 (0) 13 834 0371  
**Email:** contactus@ dgc-petrocare.com

[www.dgc-petrocare.com](http://www.dgc-petrocare.com)

