

NATIONAL GALVANIZING & COATING FACTORY

COMPANY PROFILE.

Premier Protection Solutions in Saudi Arabia
A Subsidiary of AB-COPE Co. Ltd.

NGCF COMPANY PROFILE v1.0



THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND, EXCEPT WITH WRITTEN PERMISSION OF NGCF, SUCH INFORMATION SHALL NOT BE PUBLISHED OR DISCLOSED TO OTHERS, OR USED FOR ANY PURPOSE AND THE DOCUMENT SHALL NOT BE COPIED IN WHOLE OR IN PART.

OUR HERITAGE

LEGACY OF EXCELLENCE

Established in **1996**, the National Galvanizing & Coating Factory (**NGCF**) was founded to vertically integrate the value-add requirements of the renowned Abahsain-Cope joint venture.

As a **subsidiary AB-COPE Co. Ltd.**, we combine decades of industrial expertise with cutting-edge technology. By bringing galvanizing and coating in-house, we eliminate external dependencies, ensuring complete quality control and reduced lead times for critical infrastructure projects.



“

"To provide world-class galvanizing and coating services that extend the lifespan of critical infrastructure across the Kingdom and the World."

- Our Mission

”

OUR VISION, MISSION & VALUES

Vision

To be a globally recognized leader in advanced corrosion protection and industrial manufacturing, setting international benchmarks for quality, innovation, and sustainability.

Mission

To extend the lifespan of critical infrastructure worldwide through world-class hot-dip galvanizing and specialized coating solutions. We are dedicated to delivering operational excellence, vertical integration, and precision manufacturing that exceeds international standards, ensuring value for our clients across the globe.

Our Core Values

Global Excellence

Strict adherence to international standards (ASTM, ISO) for world-class durability.

Integrity

Unwavering transparency and ethical responsibility in every partnership.

Sustainability

Prioritizing safety and minimizing environmental impact through efficient processes.

Partnership

Delivering seamless, reliable, and integrated service to clients worldwide.

Innovation

Continuously evolving technology to meet the changing demands of global industry.

CORE SERVICES



Hot Dip Galvanizing

Our flagship service involves immersing steel in molten zinc to produce a corrosion-resistant, multi-layered coating. Ideal for structural steel, poles, and heavy industrial components.

ASTM A123

ASTM A653



Protective Coating

Advanced epoxy and specialized coating solutions designed to meet specific environmental requirements and provide an extra layer of durability and aesthetic finish.

Duplex Systems

SAMSS-005



Precision Machining

Comprehensive CNC turning, boring, and milling for shafts and valves up to 1.5m diameter. Includes threading, tapping, and surface grinding per SAES-QA-003.

Turning & Boring

Max Dia: 1.5m

SAES-QA-003



Fabrication & Welding

ASME B31.3 compliant fabrication of pressure vessels, skids, and process piping. Utilizing SMAW, GMAW, GTAW, & FCAW processes with qualified WPS/PQR.

ASME B31.3

SMAW/GTAW

Skids

CORE SERVICES



Wear resistance using HVOF, Plasma Spray, PTA, and Submerged Arc Welding (SAW). Application of Stellite, Inconel, and Tungsten Carbide (up to 72 HRC).

- HVOF & PTA
- Stellite & Inconel
- 72 HRC



Complete rehabilitation of worn industrial assets including rotating equipment (shafts, impellers) and valves. We restore to OEM specifications.

- Valve Repair
- Rotating Equipment



Specialized manufacturing including Gear Hobbing, Spline machining, and Broaching. Advanced Wire and Sink EDM for hardened materials and intricate shapes.

- Gear Hobbing
- Wire EDM
- Splines



Full compliance via CMM Dimensional checks, Hardness Testing, and NDT methods: Magnetic Particle (MT), Dye Penetrant (PT), Ultrasonic (UT), and Eddy Current (ECT).

- CMM Inspection
- UT/MT/PT/ECT
- JSAES-QA-001

PRODUCTION CAPACITY

28

Years
Excellence

36k

MT Annual
Capacity

4k

MT Fabrication
Capacity

6m

MAXMACHINING
LENGTH

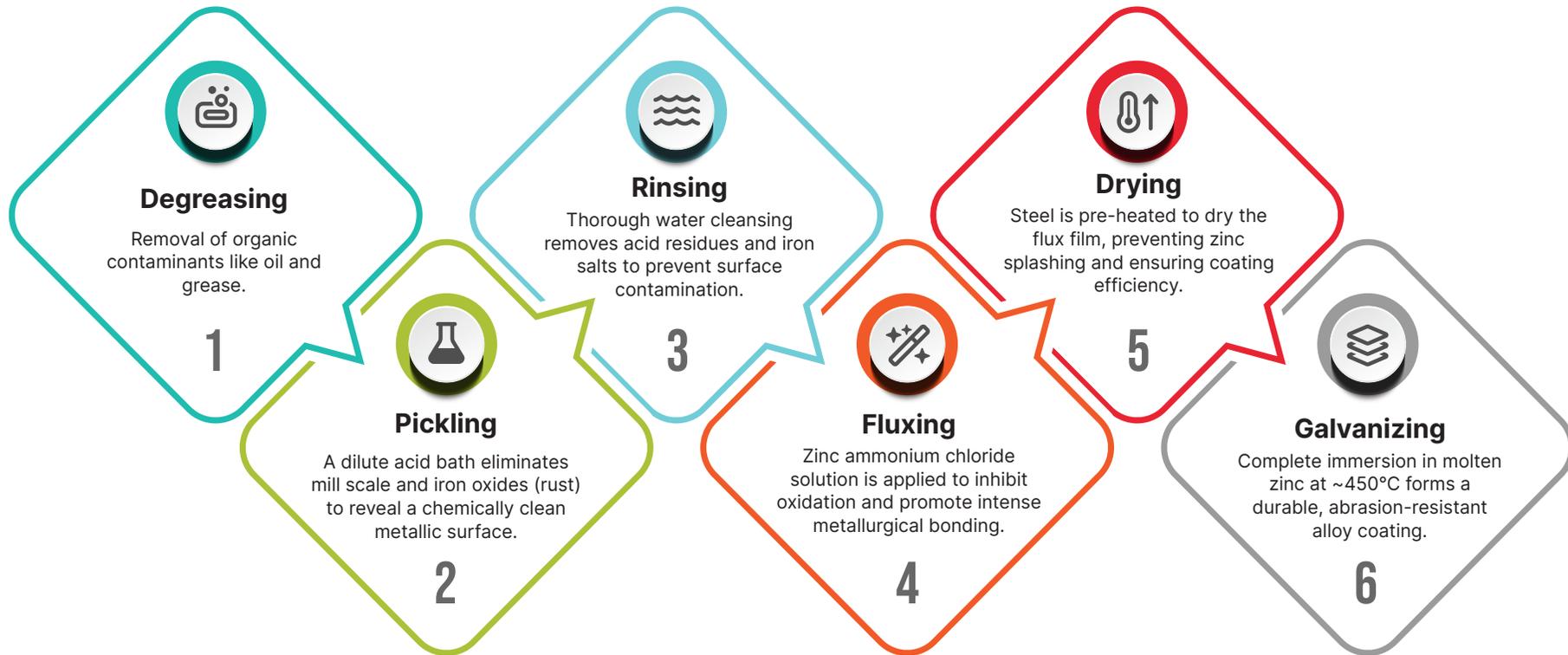
75k

VALVE
PRODUCTION/MO



THE GALVANIZING PROCESS

We utilize a scientifically rigorous 6-step process to ensure maximum bonding and corrosion resistance.



Our flagship service involves immersing steel in molten zinc to produce a corrosion-resistant, multi-layered coating. This process adheres strictly to ASTM A123 standards.



Advanced Epoxy Solutions

To meet specific client needs for complex projects, we operate a specialized coating plant. We offer advanced epoxy and specialized coating solutions designed for specific environmental requirements.

Our capabilities include Duplex Systems (Galvanizing + Epoxy) for extreme environments, providing an extra layer of durability and aesthetic finish.

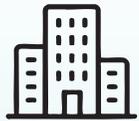


NGCF EVOLUTION TIMELINE

Foundation

NGCF was strategically established to vertically integrate the value-add requirements of Abahsain-Cope, ensuring quality control over the finishing process.

1996



1998



Production Commences

The factory began full-scale commercial production, rapidly becoming one of the largest hot-dip galvanizing plants in Saudi Arabia with a capacity of 20,000 MT/Year.

Protective Coating

Strategic addition of a specialized coating plant (Epoxy/Polyurethane) to meet the rising aesthetic and durability demands of the construction and industrial sectors.

Expansion



Diversification



Advanced Manufacturing

Evolution from a service provider to a manufacturer. Commissioned a precision engineering line for Metal Seal Valves, achieving a capacity of 75,000 pieces per month.

Sustainable Leadership

Operating with full environmental compliance (NCEC) and holding ISO 14001, 9001, and 45001 certifications. A trusted partner for Vision 2030 infrastructure projects.

Today





GLOBAL OPERATIONAL FOOTPRINT

Strategic Partnerships & Mega Project Execution (2021 - 2024)

📅 Last 3 Years Highlight

Key Client: Saudi Aramco



TOP PROJECT

King Salman Maritime Yard

Client: SEPCO

VALUE EXCEEDING

70M 

Ras Al Khair

SABIC / Petrochemicals



PDH/UTOS Project 2023

CLIENT: SAMSUNG ENGINEERING (APOC)

Ibn Zahir Project 2021

CLIENT: JAL INTERNATIONAL

Recent Major Executions (2024-2023)

Jafurah Phase II (Pkg-31) Gas Field

L&T HYDROCARBON | 2024

Riyadh Refinery Refinery

TECHNIP ENERGIES | 2024

Zuluf Project Oil & Gas

JGC CORPORATION | 2023

Marjan Pkg #14# & 6 Offshore

HYUNDAI E&C / NESMA | 2022 - 2023

Jafurah NGL NGL

ENNPI | 2024

Ma'aden & Mining



Mansourah Massarah Gold 2021

DAP NPK Plant 2020

CLIENT: INTECSA/DRAGADOS

SEC & Power



Al Aseel Project 2021

GLOBAL OPERATIONAL FOOTPRINT

Delivering Excellence Across the GCC, Africa & Asia

United Arab Emirates

- Borouge Polyethylene Plant
- Ruwais Refinery Expansion
- Dubai Natural Gas Expansion
- Abu Dhabi Substation



Qatar

- Ras Laffan LNG Train #3
- QAFCO III Expansion
- Dolphin Project (DOPET)



Kuwait & Bahrain

- Refinery Restoration (Kuwait)
- Equate Project (Kuwait)
- Alba Potline 6 ,5 ,4 (Bahrain)
- Salmaniyah Hospital (Bahrain)



Asia & Africa

- Australia: PNG LNG EPC4
- Sudan: Muglad Basin Project
- Philippines: Tongonan Geo.
- Egypt: Lube Oil Blending



Core Market: KSA

Extensive portfolio covering Eastern, Central, and Western regions, supporting Vision 2030 initiatives.

Jubail Yanbu Jazan Ras Al Khair

Extended Project Reference

Project Name	Location/Client	Year
BPC Jubail	 KSA / Aramco	2023
Juaymah Project	 KSA / ENNPI	2023
Western Libya Gas	 Libya / AGIP BV	2014
Sadad Refinery Upgrade	 Oman / PDO	2014
Lube Oil Blending Plant	 Egypt / Misr Petroleum	2013
Shoaiba Phase I / II	 KSA / SWCC	2013
Jordan Bromine Project	 Jordan / AMEC	2012
Shaybah #3# ,2# ,1	 KSA / Samsung	2012
Al Furat Expansion	 Syria / Al Furat	2011
Muglad Basin Project	 Sudan / EPCC	2010
Tongonan Geothermal	 Philippines / PNOC	2010
PNG LNG EPC4	 Australia / Papua New Guinea	2009
O-Chem	 Qatar / Technip	2009

QUALITY & CERTIFICATIONS

We are committed to the highest international standards, ensuring durability and safety in every product.



ISO 9001:2015

Quality Management Systems

Global Standard



ISO 14001:2015

Environmental Management

Sustainability



ISO 45001:2018

Occupational Health & Safety

Safety First

International Standards

Our quality management system is the backbone of our operations. We strictly adhere to

- ✓ ASTM A123 (Galvanizing)
- ✓ ASTM A653 (Sheet Steel)
- ✓ NCEC Regulations



In-House Laboratory

We maintain a fully equipped on-site laboratory to perform comprehensive chemical and mechanical tests. This allows us to validate coating integrity, zinc composition, and coating thickness immediately, ensuring every batch meets client specifications.

SECTORS SERVED



Oil, Gas & Petrochemical

Refineries, Pipelines, and petrochemical plants requiring extreme corrosion resistance.



Power & Energy Infrastructure

Transmission towers, substations, and solar farm infrastructure.



Construction

Structural steel for commercial buildings, bridges, and industrial facilities.

Trusted by major fabricators and contractors across the region.

ADVANCED QUALITY CONTROL EQUIPMENT

NGCF In-House Laboratory

Micro Vickers Hardness Tester

The Micro Vickers Hardness Tester measures the hardness of materials using low applied forces. It delivers accurate results on thin parts, small components, and surface coatings, supporting consistent material verification and quality control.

- ✓ Test Load Range: 10g – 1000g.
- ✓ Suitable for Thin Parts.
- ✓ Coatings & Micro-areas.
- ✓ Quality Control Support.

The Micro Vickers Hardness Tester measures the hardness of materials using low applied forces. It delivers accurate results on thin parts, small components, and surface coatings, supporting consistent material verification and quality control.



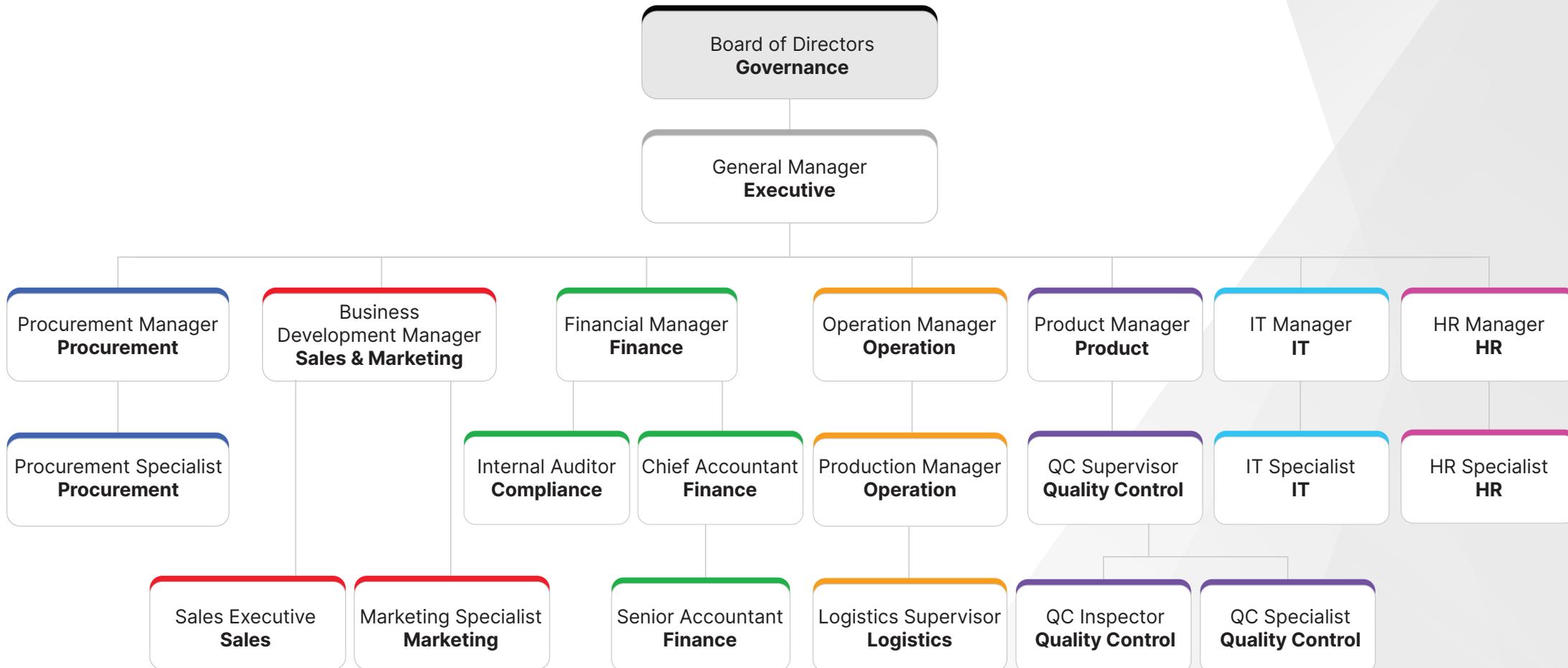
In-House Laboratory: Micro Vickers Hardness Tester

MAIN CLIENTS

Our products are approved and trusted by major organizations across the region, demonstrating our reliability and adherence to strict standards.

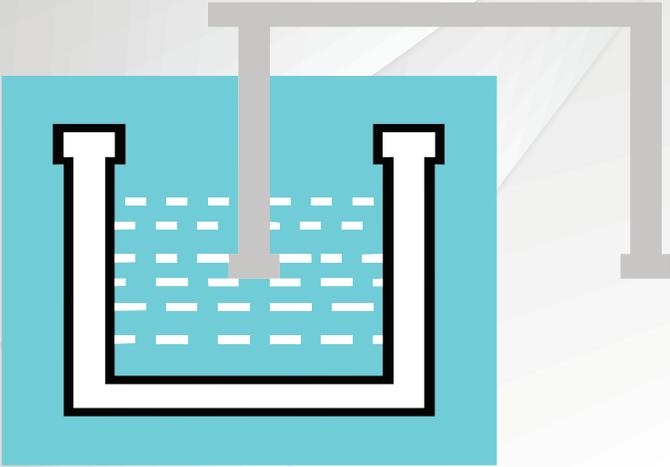


ORGANIZATION CHART



NGCF

مصنع الجلفنة والطلاء الوطني



**NATIONAL
GALVANIZING & COATING
FACTORY**

Contact Us



Location:

Street No. 136, 2nd Industrial City, Dammam, KSA



Contact:

+966 13 808 6568

+966 53 955 1516



Fax:

+966 13 899 1557



Email:

akma@abahsain.net



<https://www.ngcf.sa>