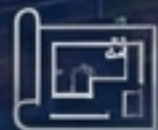




Industrial Raw Materials Solutions for the Iron & Steel Industry



Reliable
Supply.



Technical
Excellence.



Long-Term
Partnership.



The Strategic Link in Regional Steel Production

EMAAR SQUARE is a premier industrial raw materials solutions provider serving the Arabian Gulf Region metallurgical sector.

We operate at the intersection of global commodity networks and regional industrial demand, ensuring steel producers and foundries operate with uninterrupted efficiency and exacting chemical precision.

**Your Strategic Industrial
Supply Partner.**

Vision, Mission & Core Values



Strategic Vision

To be the defining Arabian Gulf Region Supply Chain Partner for the metallurgical industry, setting the benchmark for material integrity and logistical reliability.



Operational Mission

To bridge the gap between our Global Supply Network and regional heavy industry through rigorous quality assurance, technical exactitude, and proactive risk mitigation.

Core Values Architecture

Uncompromising Reliability

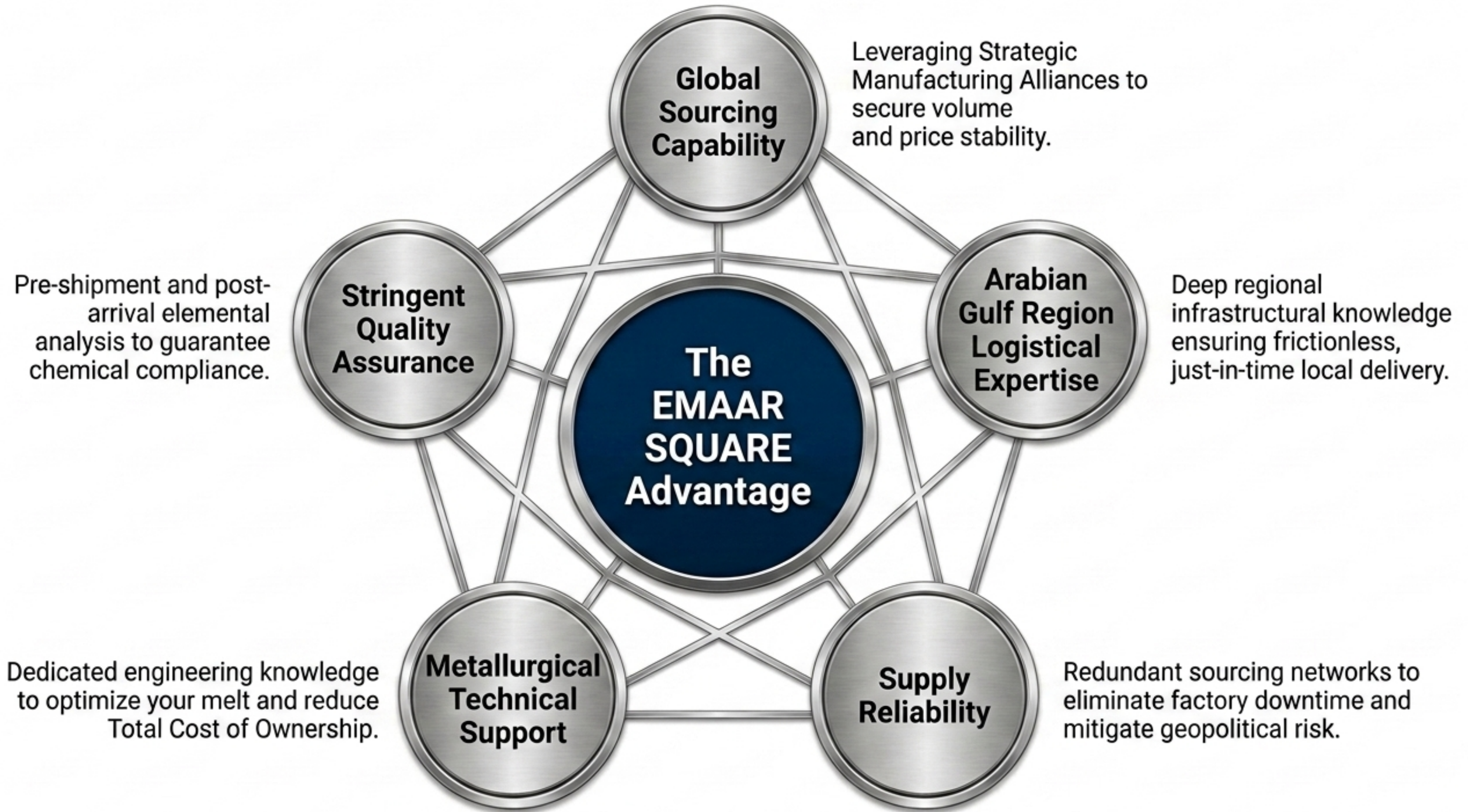
Securing your continuous production.

Technical Precision

Delivering exact metallurgical chemistry.

Long-Term Alignment

Evolving beyond transactions into strategic alliances.





Product Portfolio Matrix

Product	Primary Metallurgical Function	Key Beneficiaries	Strategic Impact
CPC	Recarburization & Energy Release	Aluminum Smelting, EAF Steelmaking	Minimizes slag, high process consistency
FeSi	Primary Deoxidation & Alloying	Foundries, Silicon Metal Plants	Prevents over-carburization, improves castability.
SiMn	Synergistic Deoxidation & Desulfurization	Carbon & HSLA Steel	Cost-effective dual action, prevents hot brittleness.
DRI / Sponge Iron	Premium Scrap Substitution	EAF Steelmaking, Powder Metallurgy	Dilutes tramp elements, drives high steel cleanliness.



Direct Reduced Iron (DRI) / Sponge Iron

Critical Specifications

Metallic Fe: ~70%

Total Fe: ~92%

Metallization:
~70%

Sulfur:
 $\leq 0.03\%$

Phosphorus:
 $\leq 0.05\%$

Core Applications

EAF Steelmaking, Foundries (Ductile/Gray Iron),
Powder Metallurgy.

Metallurgical Advantage

High-purity scrap substitute. The exceptionally low carbon, phosphorus, and sulfur content ensures pristine steel cleanliness, while high metallization directly reduces EAF energy consumption and tap-to-tap times.



Calcined Petroleum Coke (CPC)

Critical Specifications

Carbon: $\geq 95\%$ (Typ 97%)

Sulfur: $\leq 2\%$

Ash: $\leq 0.5\%$

Volatile Matter:
 $\leq 0.5\%$

Moisture:
 $\leq 0.3\%$

Core Applications

Aluminum Smelting Anodes, Steel Industry Recarburizer, Carbon Products (Electrodes), Chemical Industry.

Metallurgical Advantage

Premium recarburization efficiency. The exceptionally high carbon density guarantees rapid energy release, while strictly controlled ash and volatile limits mitigate end-product impurities and optimize slag conditions.



FERRO SILICON ALLOY (FeSi)

Critical Specifications

Silicon: $\geq 70\%$ (Typ 72%)		Carbon: 2.0 - 2.5%
Phosphorus: $\leq 0.04\%$	Sulfur: $\leq 0.02\%$	Aluminum: $\leq 1.5\%$

Core Applications

Primary Steelmaking, Iron Foundries, Silicon Metal Production, Welding Electrodes.

Metallurgical Advantage

The definitive deoxidizer. Delivers tightly controlled carbon ranges to prevent over-carburization, while ultra-low phosphorus and sulfur profiles ensure the mechanical integrity and fluidity of high-grade steel and castings.



Silicon Manganese Alloy (SiMn)

Critical Specifications

Manganese: 60%	Silicon: 14%	Carbon: 2.0 - 2.5%
Phosphorus: $\leq 0.30\%$		Sulfur: $\leq 0.03\%$

Core Applications

Core Deoxidizer for HSLA Steel, Foundries, Special Alloy Production.

Metallurgical Advantage

Synergistic efficiency. Mn and Si act together to rapidly remove molten oxide inclusions, while simultaneously forming MnS to desulfurize the melt—improving machinability, preventing hot brittleness, and driving lower TCO compared to separate elemental additions.

Exacting Quality & Traceability Standards

Quality Checkpoints

Manufacturer Vetting

Auditing International Production Partners for ISO compliance and technical infrastructure.

Quality Checkpoints

Pre-Shipment Analysis

Independent chemical and physical batch verification against stringent TDS mandates.

Quality Checkpoints

Comprehensive Traceability

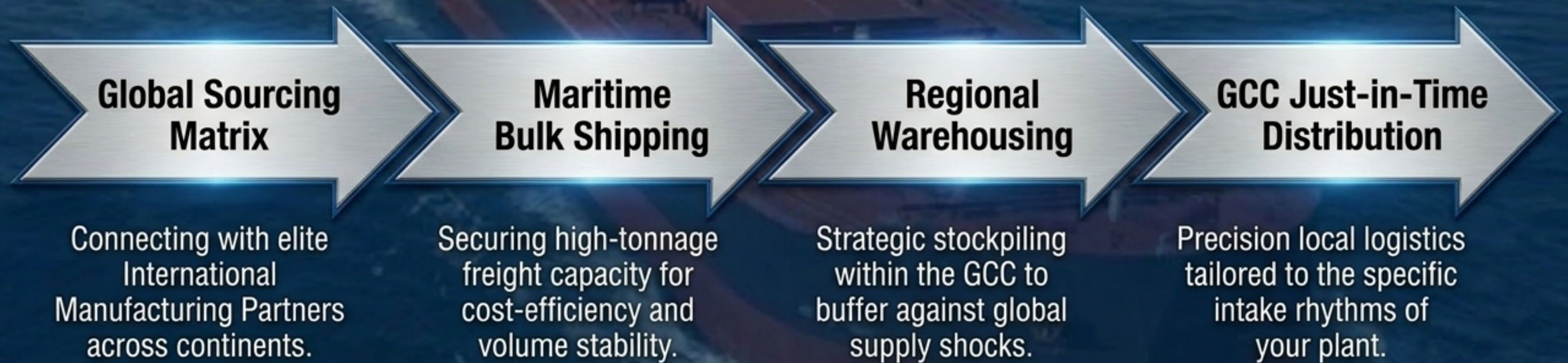
Full documentation pipeline—from origin certificate to final bill of lading.

Quality Checkpoints

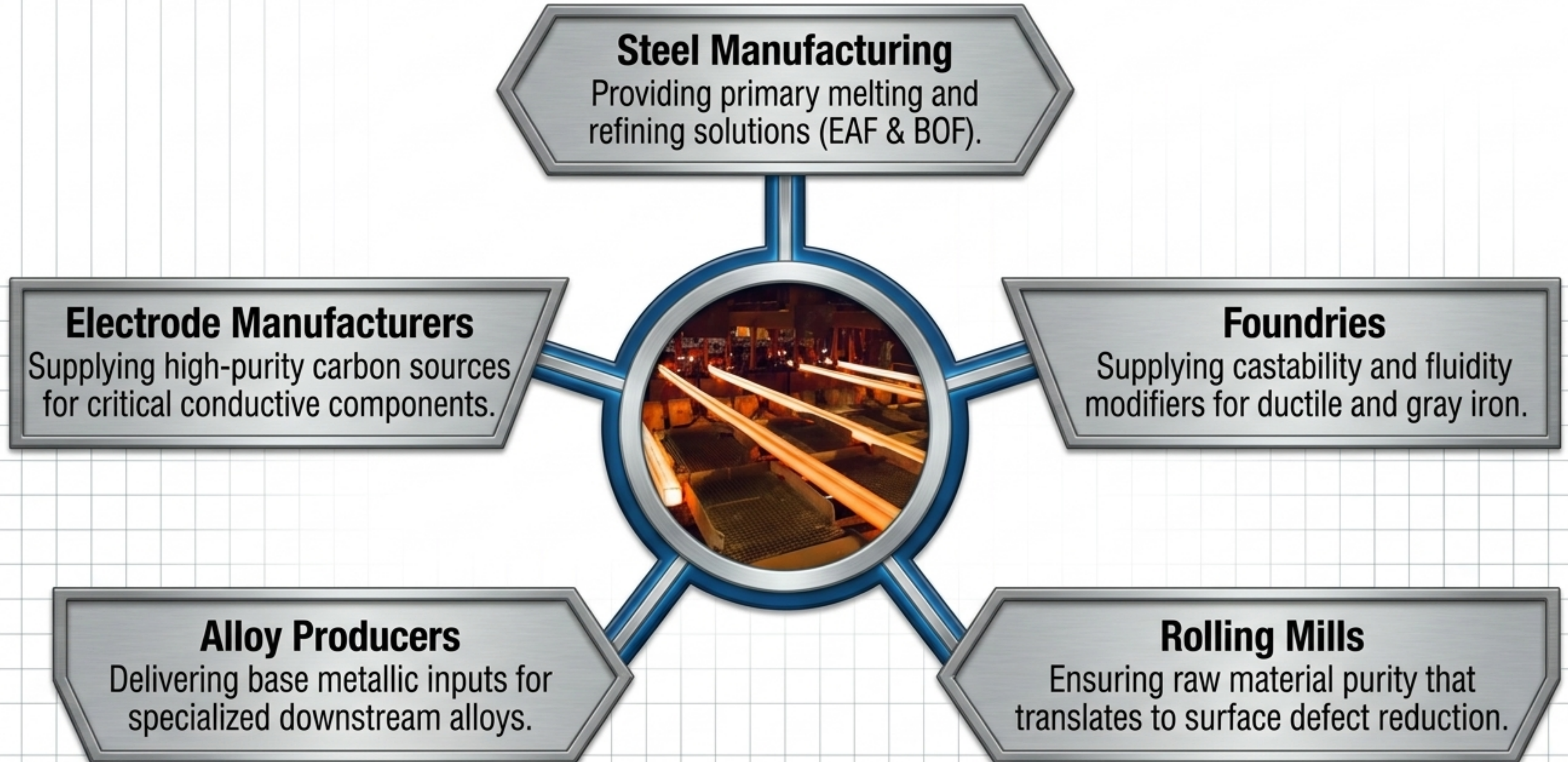
Continuous Consistency

Guaranteeing batch-to-batch homogeneity to protect your ongoing metallurgical formulas.

Frictionless Global Supply Chain



An Integrated Industrial Ecosystem



The Architecture of Long-Term Partnership



EMAAR SQUARE moves beyond transactional supply. By integrating global production alliances with rigorous quality control and localized delivery, we insulate your operations from market volatility. We don't just supply raw materials; we engineer uninterrupted production.

Strategic Operations Command

Address:

Aldajeej – Waha Mall –
Office No.07

Voice & Fax:

Tel: 24331414 / 24336314
Fax: 24336315

Digital:

Email: info@emaarkw.com
Website: www.emaarkw.com

Precision Metallurgy. Industrial Scale.