

energyalloys

GLOBAL SOLUTIONS

**CREATING VALUE
TRANSFORMING INDUSTRY**

— The EAGS Advantage —

We are the difference.
We are ENERGY ALLOYS GLOBAL SOLUTIONS



EAGS and EAGS-Americas are the only 100% oil and gas focused suppliers of specialty metals to the global oilfield industry.

Energy Alloys Global Solutions is one of the largest global providers of in-house value-added manufacturing and distribution solutions for tube and bar products to the oil and gas industry.

EAGS is an established and trusted provider, partner and problem-solver for oilfield metals to global oil and gas manufacturers and service companies.

We have built one of the widest ranging and tailored oilfield inventories of tube and bar products in the world. Our value-added services and resources create a reliable and consistent supply chain that increases product quality and decreases lead times.

Our products are utilized at various stages within the well-bore and well-site, with as much as 90% of down-hole components using metals that can be provided by EAGS.

With our core processes to enable our customer's needs in ways that save time in turn increasing value than costs.



Trust & Leadership

Infinite potential. BioUrja

BioUrja has a dynamic history in the corrosion-resistant metal alloy products and tubular goods industry having acquired Hamilton Metals in 2016 and subsequently the international assets of Energy Alloys in 2020.

Founded by Mr. Amit Bhandari in 2006, The BioUrja Group spans the globe, with facilities in Mexico, Singapore, Dubai, UK, India and 20 locations across the United States. BioUrja supplies and trades physical commodities, including biofuels, petroleum products, natural gas liquids, electric power, metal alloy tubing, grain, and animal feed products. We have been ranked as one of the four largest privately held companies in Houston, Texas and are built on the entrepreneurial spirit of our hundreds of employees and the creativity and deep experience of our management team.



\$3+ Billion Enterprise



500+ Employees, 11 Offices
5 Countries



Premier Trading &
Distribution Company



Aim To Create Strategic
Partnerships In The
Energy Industry.

A Critical Link in the Global Oil Industry

EAGS has built one of the widest ranging and tailored oilfield inventories of corrosion-resistant metal alloy products and tubular goods in the world. Coupled with our extensive in-house added value services and solutions, we can give you the advantage.

EAGS continued focus on customer partnerships helps us to create a reliable and consistent supply chain that increases product quality and decreases lead times.

Our Companies' products are utilized at various stages within the well-bore and well-site, with as much as 90% of down-hole and pressure control components using metals that can be provided by EAGS through our affiliated businesses and we are uniquely positioned to provide bespoke manufacturing services and supply corrosion-resistant alloy products to oilfield services customers across the globe.

Our ongoing commitment to maximize your potential.

— Primary Business

We harness our dynamic history, industry experience and entrepreneurial spirit to create bespoke solutions for global partners.

— Exclusive Mill to Market Relation

Extensive mill relationships, including: Ascometal, Liberty Steel, Foroni, BGH, SEAH, Sidenor, Timken, JFE, Hubei, TMK, Moravia & more.

— Services

Global footprint with facilities in the United States, Mexico, UK, Dubai & Singapore. Investment planned for development of a fully integrated production facility in India.

— Partnership Programs

Customers focus on their core business, while EAGS focuses on tailored supply solutions to consistently add value.

— Extensive Locations

From inventory planning to complete machined turnkey components, EAGS create value-added supply solutions for the global oil and gas industry.

— Product Lines

Carbon, alloy, stainless, nickel. Solid bar and tube-based products.

Turnkey

With a specialism in end to end turnkey machining of downhole components and completion tools, Energy Alloys Global Solutions creates value for you and gives you the advantage. Staffed by a team of skilled machinists and engineers, our facilities produce precisely machined, finished and semi-finished parts while adhering to close tolerances.

These parts include quality down-hole components and completion tools such as mandrels, pup joints, stator tubes, rotors, PBR's, liner hangers, drill collars, crossover bodies, core barrels, and packers. EAGS specializes in managing the supply chain from concept to completion.



Operational Excellence



Promise of Performance



Engineering Expertise

We offer the following services in each of the phases of our project:

Scope and Requirement

EAGS professionals assess all aspects of the project to create a bespoke solution. From feasibility, design, procurement, machining, inspection and delivery, you will have a clear vision of the project and confidence that it will be executed efficiently and on-time.

Supply Chain Synergies

EAGS has well established and long term relationships with our mill partners. We are strategically located in the oilfield epicenters of the Western and Eastern Hemispheres, allowing seamless global coverage and providing us with an advantage in managing lead time differentials on behalf of our customers.

Machining Excellence

EAGS in-house machining capabilities are geared towards end to end turnkey machining of downhole components and completion tools including polished bore receptacles, pup joints, liner hangers and gauge carriers, flow couplings, cementing and staging tools. We have listened to our customers and continually invested in facilities and equipment to expand both our machining scope and capacity.

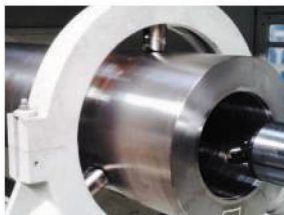
Logistical Flexibility & Control

With strong carrier relationships and an emphasis on on-time delivery EAGS is THE strategic partner to navigate logistical challenges, streamline processes and critically ensure that your parts are where you need them, when you need them. We do what we say we do.

Machining

EAGS has the operational capability to deliver machine complete and turnkey components, but we are also proficient in first stage and semi-finished machining.

EAGS's value-added services include in-house cutting, straightening, deep hole and pull boring, honing, manual and CNC turning and milling.



Deep Hole Boring



Milling



Honing



Pull Boring



Turning



CNC



Straightening

GLOBAL EQUIPMENT & CAPABILITIES:

	ID RANGE	OD RANGE	MAX LENGTH
DEEP HOLE BORING	0.95"-18.00"	2.00"-23.00"	33 Ft.
PULL BORING	3.50"-10.50"	4.50"-11.90"	35 Ft.
HONING	1.90"-18.00	3.00"-22.00	40 Ft.
TURNING	-	1.00"-31.50"	35 Ft.
CNC	1.50"-18.00	3.50 Max.	35 Ft.
MILLING	0.250"-20.00	3.00"-12.00" Max.	32 Ft.
STRAIGHTENING	-	650 Tons	40 Ft.

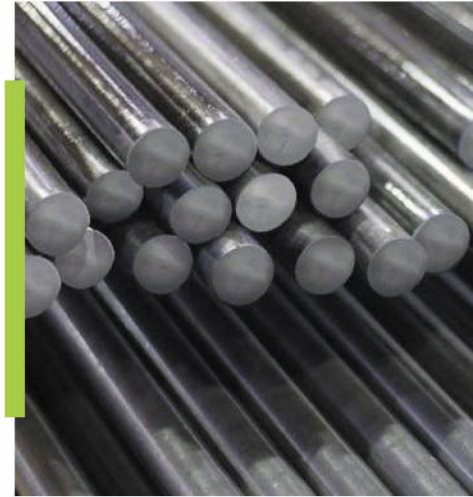
Energy Alloys Product Offerings

With our value-added services and resources, we create a reliable, consistent supply chain that increases product quality and decreases lead times.

Carbon

Low carbon steel grades are used in a variety of structural oilfield applications that only require low strength, or will be subjected to surface hardening. These carbon grades contain Carbon, Manganese, and Silicon as the only intentionally added elements.

Stocked Grades : 1018 , 1026/A106, & 1045



Alloys

A low alloy steel is generally defined as having 2% to 10 % total alloy content, comprising of one or more of the following elements: Chromium, Manganese, Molybdenum, Nickel. The primary function of these elements is to increase the hardenability in order to optimize the mechanical properties and toughness after heat treatment.

These alloys can be stocked in the As-Rolled, Normalized, Annealed, or Quenched and Tempered Heat Treat Conditions.

Stocked Grades : 4130 , 4130 Mod, 4140, 4145M , 4330M, 4340, 8620 , 8630M, & F22



Nickel

Nickel based alloys are classified as having over 45% Nickel in their chemical composition. Dependent upon other elements present, various Nickel grades may be hardenable through an age hardening heat treat process, while others may only be strengthened through cold working.

These Nickel alloys offer a combination of excellent corrosion resistance, strength, toughness and can be used at elevated temperatures in severe environments.

Stocked Grades : 625 , 718, & 925



— API 5CT

API 5CT grades are commonly used in casing, production tubing, coupling stock, pup joints and various downhole accessories.

Energy Alloys stocks a variety of sizes in tubular form in these grade categories. All grades are in compliance with API 5CT mechanical and impact testing expectations, including Ultrasonic Testing.

Stocked Grades : J55 , K55, N80, L80 , T95, C110, P110 & Q125



— Stainless

Stainless Steel is generally defined as a steel having at least 10% Chromium in conjunction with other alloy elements. They are resistant to corrosion or rusting associated with exposure to water or moist air.

There are four main groupings of Stainless Alloys commonly used in the oil industry:

Stocked Grades : Austenitic , Martensitic, Duplex & Precipitation Hardening.



— OCTG

Oil country tubular goods (OCTG) is a family of seamless rolled products consisting of drill pipe, casing and tubing subjected to loading conditions according to their specific application.

Stocked Grades : API Grades Seamless and ERW, 13 Chrome, Super / Hyper / Modified 13Cr, Duplex 22Cr / Super Duplex 25Cr / 25CRW-125 & Nickel Based Alloys





We tailor our oilfield supply chains to meet the needs of our customer's manufacturing locations on a global basis.

Global Strength Local Advantage



US/Mexico



United Kingdom



Dubai



Singapore



United States / Mexico

EAGS US formerly known as Hamilton Metals, maintains a state-of-the-art warehouse and machine shop in Katy, TX, which includes 45,000 sq. ft warehouse distribution facility built on 44 acres of land

Machining Capabilities

- Sawing
- Deep Hole Boring Honing
- CNC Turning & Milling.

One stop option with a wide range of processes, specialized in precision machining and full turnkey components.





United Kingdom

EAGS UK 110,000 sq. ft. facility serves as a hub for customers across Europe and North Africa servicing both downhole and pressure control sectors.

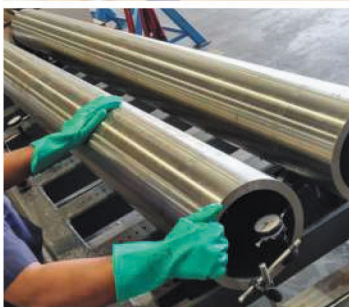
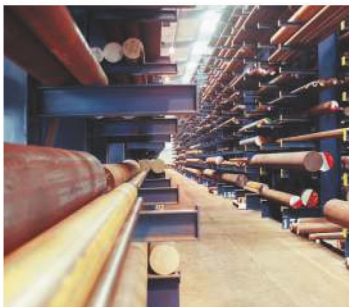
Machining Capabilities

- Sawing,
- Straightening,
- VSR,
- Deep Hole Boring,
- Honing,
- OD Turning,
- CNC Machining NDT.

Specialists in long length deep hole boring and first stage/semi-finished machining.

Supply Chain Management

EAGS UK 110,000 sq. ft. facility serves as a hub for customers across Europe and North Africa servicing both downhole and pressure control sectors.





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Singapore

EAGS Singapore's 108,000 sq.ft. facility is ideally located to service customer requirements across the Asia-Pacific region from inventory planning and material management, through to complete machined and turnkey products.

Machining Capabilities

- Sawing
- Straightening
- Deep Hole & Pull Boring
- Honing
- OD Turning
- CNC Machining.

In-house capabilities make EAGS Singapore specialists in long length, tight tolerances and complex components





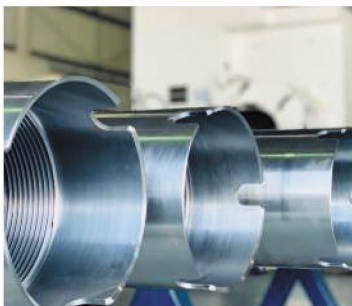
Dubai

EAGS Dubai consist of three facilities in the Jebel Ali Free Zone and is well positioned with a strong service reputation to support long-term relationships in the Middle East market.

Machining Capabilities

- Sawing
- Deep Hole Boring Honing
- CNC Turning & Milling.

One stop option with a wide range of processes, specialized in precision machining and full turnkey components.





India

EAGS aims to commence major operations in Madhya Pradesh India. The division aims to centralize global operations and would be the largest production facility.

MILL TO WELL SUPPLY CHAIN INDUSTRIAL COMPLEX

- In and Out Logistics
- Raw Material Storage
- Full Processing with Complex Machining, Threading, and Coating
- Part Assembly and Testing
- Paint and Package
- Targeting Domestic and Export

Accreditation

EAGS is committed to meeting customer, statutory and regulatory requirements. We are also committed to increasing customer satisfaction through continual improvement of our products, services, staff's capabilities and the effectiveness of our quality management system.

> UNITED STATES

Quality Management Systems:



API Q1



ISO 9001:2015

> DUBAI

Quality Management Systems:

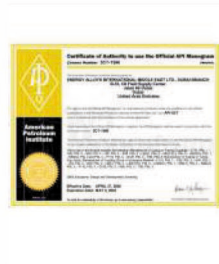


API Q1



ISO 9001:2008

Manufacturing and Threading:



API Spec 5CT



API Spec 7-1

> UNITED KINGDOM & SCOTLAND

Quality Management Systems:



ISO 9001:2015



Choose the Right Partner

OIL AND GAS EXPERTISE

- 100% focus on Oil & Gas
- Reputation built on quality, safety & reliability in executing supply chain solutions
- Skilled Global Management team with diverse industry experience
- Strong well established and long term relationships with customers and vendors

CUSTOMER FOCUSED

- Strong service levels with a global range of value add capabilities
- Global alliances established with strategic customers
- EA investments to support expansion of global strategic partners
- Dedicated account management, inventory, and technical support resources

SUPPLY CHAIN SOLUTIONS

- 25+ year relationship with strategic mills across the globe
- Core capabilities complemented by a strong global network of outsource partners
- EA Quality System ensures reliability of our supply chain
- Customized supply chain solutions designed to meet specific customer needs

COMMITMENT TO FUTURE GROWTH

- As part of the BioUrja family, Energy Alloys Global Solutions has the financial strength & stability to support your business
- Continued investment in expanding machining capacity and capability
- Meaningful and near-term expansion into KSA and India to extend global footprint

AMERICAS

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