



The Power
to Connect



FREEPORT-McMoRAN

BAYWAY OPERATIONS

Connecting to industry

Freeport-McMoRan Bayway Operations provides high quality products to industries large and small. In fact, our emphasis on meeting specific needs is top priority. Our plant is designed to provide unique solutions and manufactures even the smallest order to exacting customer specifications. Regardless of size, we look upon every assignment as an opportunity to achieve successful results, on time delivery and unsurpassed customer service.

Freeport-McMoRan Bayway Operations provides world-class solutions to many industries.

Aerospace – High-strength/high-conductivity military and commercial aircraft wiring systems used in the instrumentation, in-flight entertainment, fuel systems and engine controls.

Medical – Ultra-fine medical cables, coils for conventional and stand-up Magnetic Resonance Imaging (MRI) units.

Electronics – Wiring components for security systems, sound and broadcast applications, computer automation and robotics.

Transportation – High-speed rail and mass transit, corrosion resistant armature for heavy-duty starter motors, ABS braking systems.

Geophysical – Energy generation and exploration

High-Energy Physics – Field windings for high-current density magnets, superconductive coils for high-energy physics research, magnetic levitation coils and energy transfer.

Welding – RWMA Class I, II & III Resistance welding electrodes and related welding components.

Injection Molding – High-thermal conductivity mold components for injection and plastic molding systems.

Induction and Industrial Heating – Mass heating and melting induction heating coils.

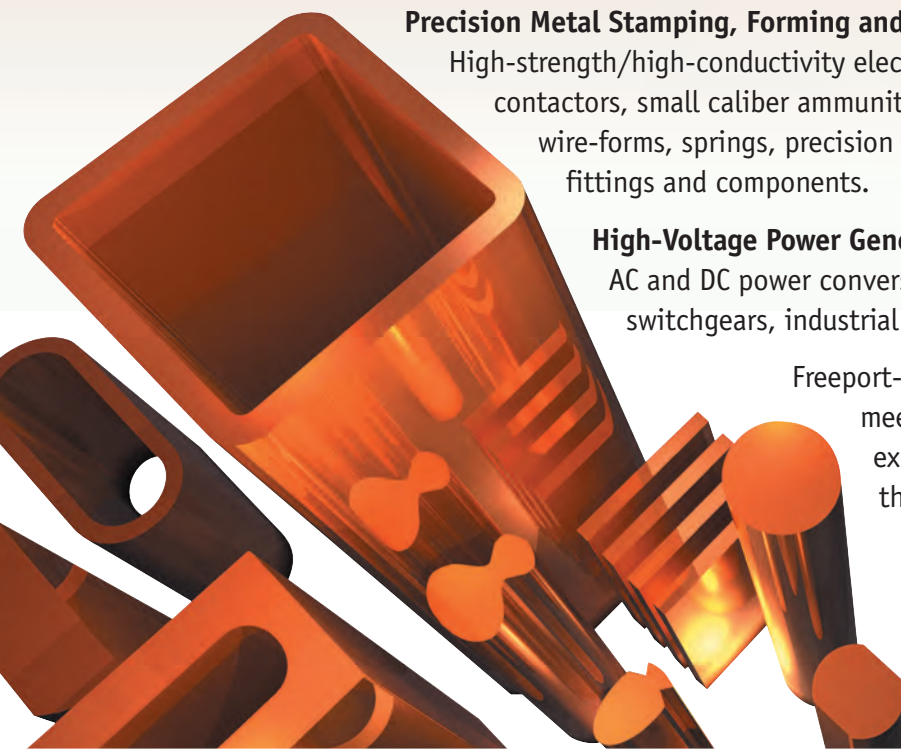
Precision Metal Stamping, Forming and Machining –

High-strength/high-conductivity electrical connectors and contactors, small caliber ammunition, cold heading, wire-forms, springs, precision machined electrical fittings and components.

High-Voltage Power Generation and Transmission –

AC and DC power conversion systems, transformers, switchgears, industrial motor and generator coils.

Freeport-McMoRan Bayway Operations meets every challenge with experience, expertise and the power to connect.



Products that connect

Freeport-McMoRan Bayway Operations offers a wide variety of alloys and most products are available in all alloys.

In response to global concerns over the use of potentially hazardous materials in copper alloys, we offer alloy systems that are environmentally “green.” These alloys are designed to be free of such potentially harmful elements as Beryllium, Cadmium, Mercury and Lead yet provide superior conductivity, tensile and flex-life properties.

Please inquire for your specific requirements.

STANDARD INDUSTRY GRADES

C101	Oxygen Free Certified (Electronic & Cryogenic Grades)
C102	Oxygen Free Copper
C105, 107	Oxygen Free Copper with Silver
C110	ETP Copper
C162	Cadmium Copper
C165	Cadmium/Tin Copper
C180	Chromium/Nickel/Silicon Copper
C18135	Cadmium/Chromium Copper
C1815	Chromium/Zirconium Copper
C182	Chromium Copper

SPECIALTY COPPER ALLOYS

PD135	The defining alloy system for the aerospace industry.
CT37	A high performance alloy with good conductivity and strength with superior flex life.

ENVIRONMENTALLY FRIENDLY ALLOYS

PD 35EF	A Cadmium-Free alternative to PD135 Alloy.
PD 80EF	A Cadmium-Free alternative to C162 Alloy.

Packaging to meet the need

At Freeport-McMoRan Bayway Operations we're the complete package. Our finished products are packed and shipped suitable to the need, including:

Reels – Fiber, Steel, Wood and Plastic are available in a wide variety of sizes.

Acropak – Reel-less packaging in various sizes.

Boxes – Straight lengths for hollow core extrusions.



Specialty products designed to function

Freeport-McMoRan Bayway Operations has become a recognized industry leader for specialty copper products by building highly reliable products, delivering on time, and offering superior technical support and customer service. Our product line includes:

Flat Wire – Precision rolled copper alloy strip commonly used for high speed stamping and multi-slide forming, windings in transformers, commutators and electrical components.

Tubular Bus Conductor & Heavy Wall Tubing – Hollow core extruded tubing commonly used in industrial applications to provide internal cooling for high-current density conductors, as well as induction heating and advanced magnetic applications.

RWMA Class Welding Materials – High-strength/high-conductivity alloy rods and bars for resistance welding electrodes and related welding components.

Round Wire – Tinned & Bare solid wire for coaxial cables, conductors, electrical wiring, cold heading, rivets, electrical contacts and telecommunication applications.

Trolley Wire – Current carrying contact wire supplies power to urban transit railroad vehicles, mining equipment and industrial cranes.

Rod and Bar – Drawn copper/copper alloy shaped rod and bar used for bus bars, precision machined electrical components, nozzles, fittings and forging stock.

Billets – Cast copper and copper alloys for extrusion and forging feed stock.

Satisfaction is our specialty

At Freeport-McMoRan Bayway Operations, we are dedicated to our customers and guarantee the best quality products and customer service for every job.

Based on the specific application, we will design and manufacture alloy products to meet and exceed your demanding requirements. We assure your satisfaction from design to implementation.

Get to know Freeport-McMoRan Bayway Operations. We have the power to connect.



FREEPORT-McMoRAN

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