

A large submarine is shown on the surface of the ocean. The submarine's conning tower is prominent, featuring a horizontal searchlight platform and two vertical masts. The hull is dark and sleek. The background shows a sunset sky with warm orange and yellow tones, and the ocean surface is slightly choppy. In the distance, some buoys and a small boat are visible on the horizon.

ibc

IBC Advanced Alloys

**2025 Corporate
Presentation**

Mission Critical Copper Alloys

CAUTIONS REGARDING FORWARD-LOOKING STATEMENTS

This Presentation contains “forward-looking statements” and “forward-looking information” within the meaning of applicable Canadian securities laws, which are referred to collectively as “forward-looking information”. Forward-looking information includes statements and information regarding possible events, conditions or results of operations that are based upon assumptions about future economic conditions and courses of action. All statements and information other than statements of historical fact may be forward-looking information. In some cases, forward-looking information can be identified by the use of words such as “seek”, “expect”, “anticipate”, “budget”, “plan”, “estimate”, “continue”, “forecast”, “intend”, “believe”, “predict”, “potential”, “target”, “may”, “could”, “would”, “might”, “will” and similar words or phrases (including negative variations) suggesting future outcomes or statements regarding an outlook.

Forward-looking information in, or incorporated by reference into, this Presentation includes, but is not limited to statements and information regarding: statements with respect to the Company’s estimated working capital; the Company’s liquidity and capital resources; profit and loss forecasts, expectations regarding industry trends, overall market growth rates and our growth rates and growth strategies; general economic conditions; development of products, future oriented costs, expenditures and other financial or operating performances. Such forward-looking information is based on a number of material factors and assumptions, including, but not limited to: management’s current expectations, estimates and assumptions about certain projects and the markets in which the Company operates, the global economic environment, interest rates, exchange rates, and the Company’s business strategy, plans, outlook, long-term growth in cash flow, earnings per share and shareholder value, projections, targets and expectations employees and operating costs.

Forward-looking information involves known and unknown risks, uncertainties and other factors which may cause actual results, performance or achievements, or industry results, to differ materially from those anticipated in such forward-looking information. The Company believes the expectations reflected in such forward-looking information are reasonable, but no assurance can be given that these expectations will prove to be correct and you are cautioned not to place undue reliance on forward-looking information contained herein. Some of the risks and other factors which could cause actual results to differ materially from those expressed in the forward-looking information contained in this Presentation and documents incorporated by reference herein include, but are not limited to: risks associated with the Company’s manufacturing operations; failure to meet product specifications; risks relating to the Company’s dependence on single-source suppliers for beryllium and other materials; changes in market conditions; risks related to commodity price fluctuations; failure to obtain required financing; risks related to competition from other manufacturing and distribution companies of special alloys, metals and materials; adverse changes to general economic conditions or applicable laws, rules and regulations; environmental regulation and liability; and other factors contained in the section entitled “Risk Factors” in the preliminary prospectus, final prospectus and any amendments, and in the section entitled “Risk Factors” in the Company’s annual information form for the quarter ended June 30, 2024. Although the Company has attempted to identify important factors that could cause actual results or events to differ materially from those described in the forward-looking information, you are cautioned that this list is not exhaustive and there may be other factors that the Company has not identified. Furthermore, the Company undertakes no obligation to update or revise any forward-looking information included in this Presentation or the documents incorporated by reference herein if these beliefs, estimates and opinions or other circumstances should change, except as otherwise required by applicable law.



ABOUT IBC

- Indiana-based manufacturer specializing in copper-alloy products for the defense and global commercial markets.
- Only company in the US that both casts and forges copper and copper alloy products as its primary business.
- Known for the depth of our technical expertise and our ability to maintain the highest product quality by operating an integrated facility specializing in copper and copper alloy products in the United States.
- Our Franklin, Indiana plant has casting, forging (hammer, press and ring rolling), heat-treating and machining operations and operates from an 83,000 square foot facility on 12 acres of land.
- There is still room for significant expansion of plant operations on the current site.



IBC in Action



Learn more about IBC in this short video:
<https://youtu.be/mdwNg33nD04>

WHAT SETS US APART

1. Technical capabilities

- Three degreed metallurgical engineers on staff
- Work closely with customers on application development and new products
- Technical support and problem solving

1. Diverse customer base

2. One site, vertically integrated, offers tighter control of supply chain

3. Location offers excellent access to skilled labor, transportation, cost control, and land for growth or expansion



IBC: BY THE NUMBERS

Who We Are	Indiana-based manufacturer specializing in copper-alloy products for defense and global commercial markets.	
Unique Positioning	<ul style="list-style-type: none"> • Only company in the US that both casts and forges copper and copper alloy products as its primary business. • Newly expanded and vertically integrated Indiana facility allows ingot casting up to 5,000 pounds, forging, heat treating, and machining of multiple copper-based alloys. 	
Inception	2007	
Markets We Serve	<ul style="list-style-type: none"> • Defense • Aerospace • Semiconductor Device Manufacture • Automotive • Oil & Gas 	<ul style="list-style-type: none"> • Electronics • Resistance Welding • Metal Casting • Manufacturing • Specialized Materials • Plastic Injection Molding
Employees	37	
Headquarters	Franklin, Indiana, USA	

Stock Information (as of Dec. 31, 2024)		
TSX-V:IB	Share Price	C\$0.085
	50-Day Avg. Daily Volume	29,079
	52-Week Low/High	C\$0.045 - \$0.12
OTCQB:IAALF	Share Price	US\$0.06
	90-Day Avg. Daily Volume	29,079
	52-Week Low-High	US\$0.03- \$0.09

Share Structure (as of Jan. 1, 2025)	
Outstanding Shares	113,680,857
Warrants	11,269,444
Options	3,740,000
Fully Diluted	128,689,857
Market Capitalization	C\$9,641,550
Insider Holdings	26.9%
Largest Single Shareholder (19.99%)	Mark A. Smith (Board Chairman)

CURRENT MARKETS



Defense

Aircraft carriers, submarines,
other systems



Automotive

Injection Mold Inserts, Die
Casting Equipment



Oil & Gas

Directional Drilling Components,
Rings, Bushings, Flanges, Sub-Sea
Applications



Resistance Welding

Welding Wheels, Gun Arms,
Resistance Welding Parts



Electronics

Semiconductor Manufacturing
Equipment, Backing Plates



Manufacturing

Wear Plates and
Bushings



Injection Molding

High Conductivity Core and
Cavity Inserts



Foundry

Casting Alloys, Die Blocks,
Plunger Tips, Amorphous,
Metal Casting Wheels

SELECT PAST AND CURRENT CUSTOMERS



GE VERNOVA

FLUOR[®]

Honeywell



HONDA

SIEMENS

Schlumberger



**GENERAL
DYNAMICS**
Electric Boat



Booz | Allen | Hamilton

INDIANA FOUNDRY CONSOLIDATION / EXPANSION

**\$5.7M expansion,
completed in 2022**

**32K sq.ft. of new
production space**

**Helped facilitate sales
growth of +50%**

2.5 Year ROI

**Provides vertical integration
of alloy casting through final
machining**

**Allows exposure to
markets in 26 countries**

**Positions IBC to expand
business with additional
capacity**

FINANCIAL RESULTS: QUARTER SEPTEMBER 30, 2024

- Copper Alloys Division sales remained steady at \$4.9 million Q/Q in spite of slightly soft demand.
- Copper operations operating income dropped slightly but gross margin remained largely unchanged Q/Q.
- On a consolidated basis, IBC booked a net loss of \$1.2 million (\$0.01 per share), driven by:
 - Continuing closing costs at the EM division discontinued operations
 - Higher-than-normal corporate SG&A costs (largely due to the EM division closure); and
 - Debt service payments.

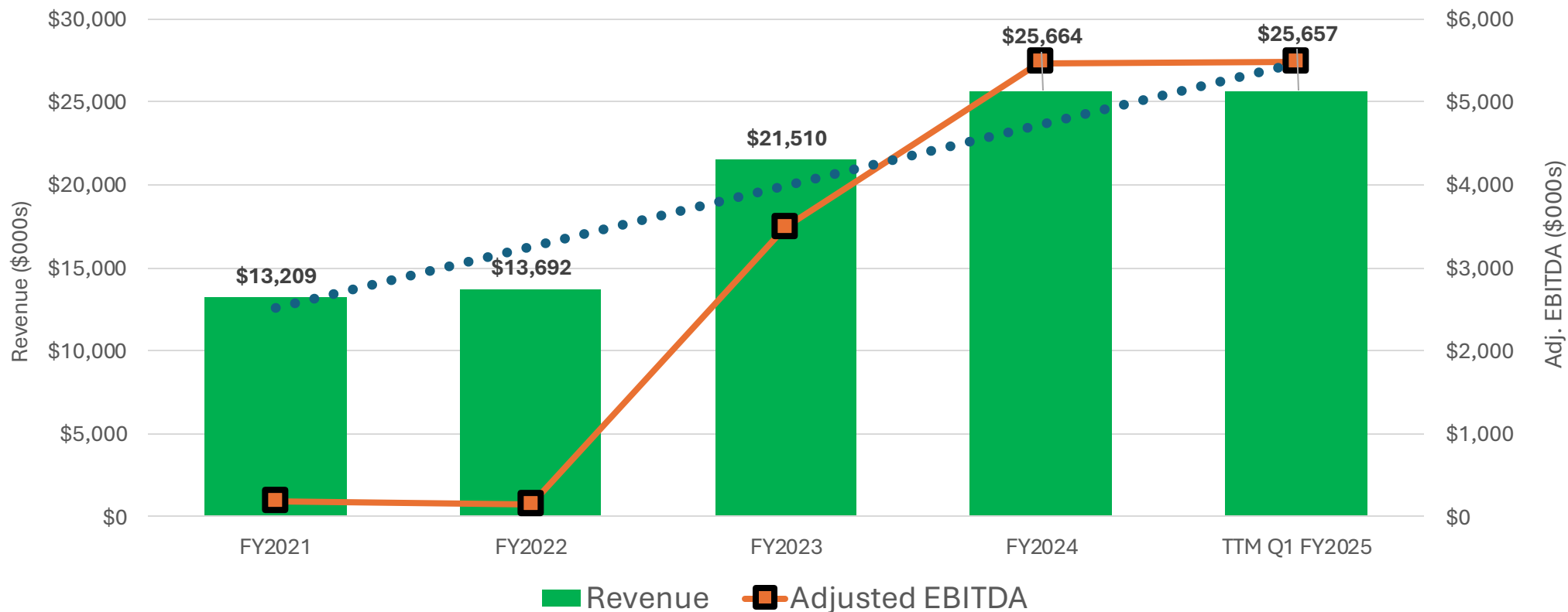


FINANCIAL RESULTS: QUARTER ENDED SEPTEMBER 30, 2024

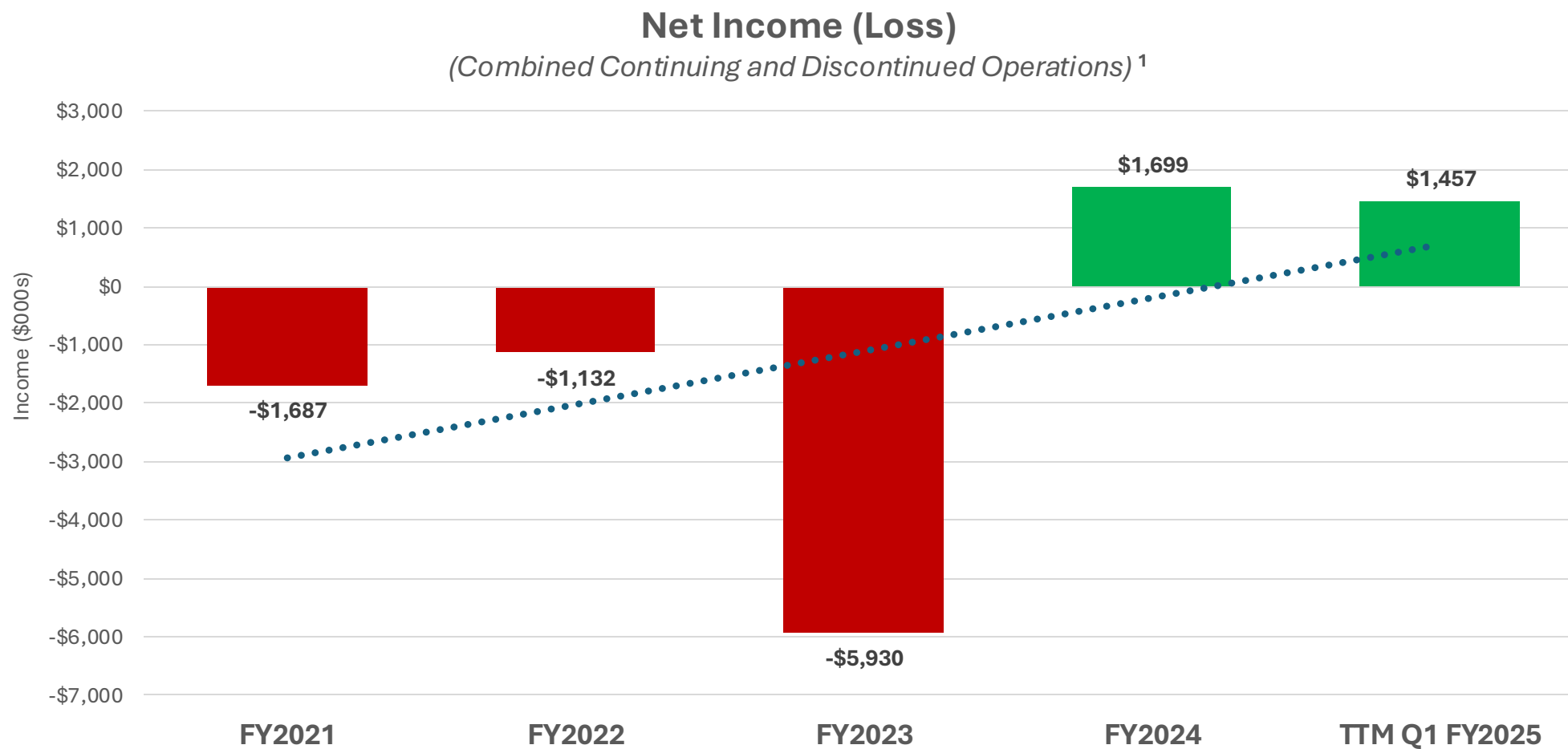
SELECTED RESULTS: Combined Continuing and Discontinued Operations (\$000s) ¹		
	Quarter Ended 9-30-2024	Quarter Ended 9-30-2023
Continuing Operations¹		
Revenue	\$4,899	\$4,905
Operating loss	\$(226)	\$(179)
Net Loss	\$(652)	\$(629)
Adjusted EBITDA	\$15	\$57
Gross Profit	\$858	\$864
Gross Margin	18%	18%
DISCONTINUED OPERATIONS		
Revenue	\$ -	\$1,762
Operating loss	\$(476)	\$(155)
Net Loss	\$(563)	\$(305)
Adjusted EBITDA	\$(463)	\$62
CONSOLIDATED OPERATIONS		
Revenue	\$4,898	\$6,667
Operating loss	\$(702)	\$(334)
Net Loss	\$(1,215)	\$(934)
Adjusted EBITDA	\$(448)	\$119

FINANCIAL RESULTS: QUARTER ENDED SEPTEMBER 30, 2024

Copper Division Revenue & Adj. EBITDA

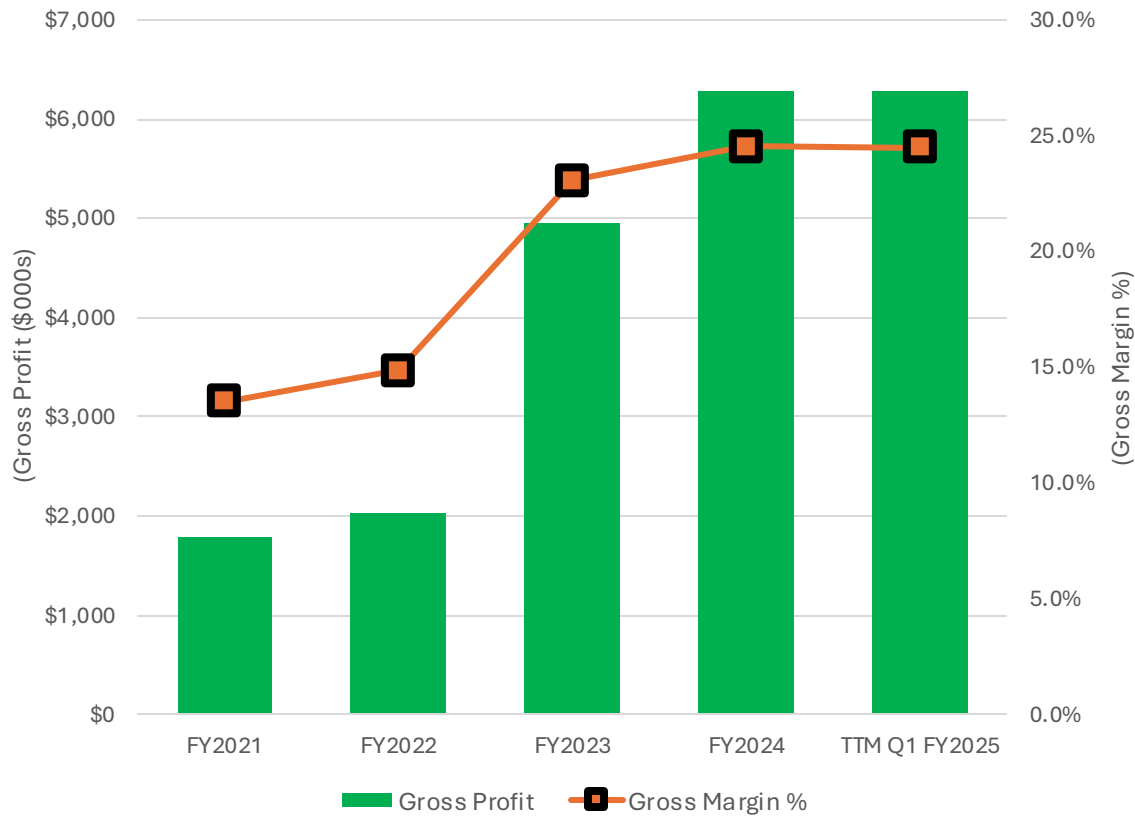


FINANCIAL RESULTS: QUARTER ENDED SEPTEMBER 30, 2024



FINANCIAL RESULTS: QUARTER ENDED SEPTEMBER 30, 2024

Copper Division Gross Profit and Gross Margin



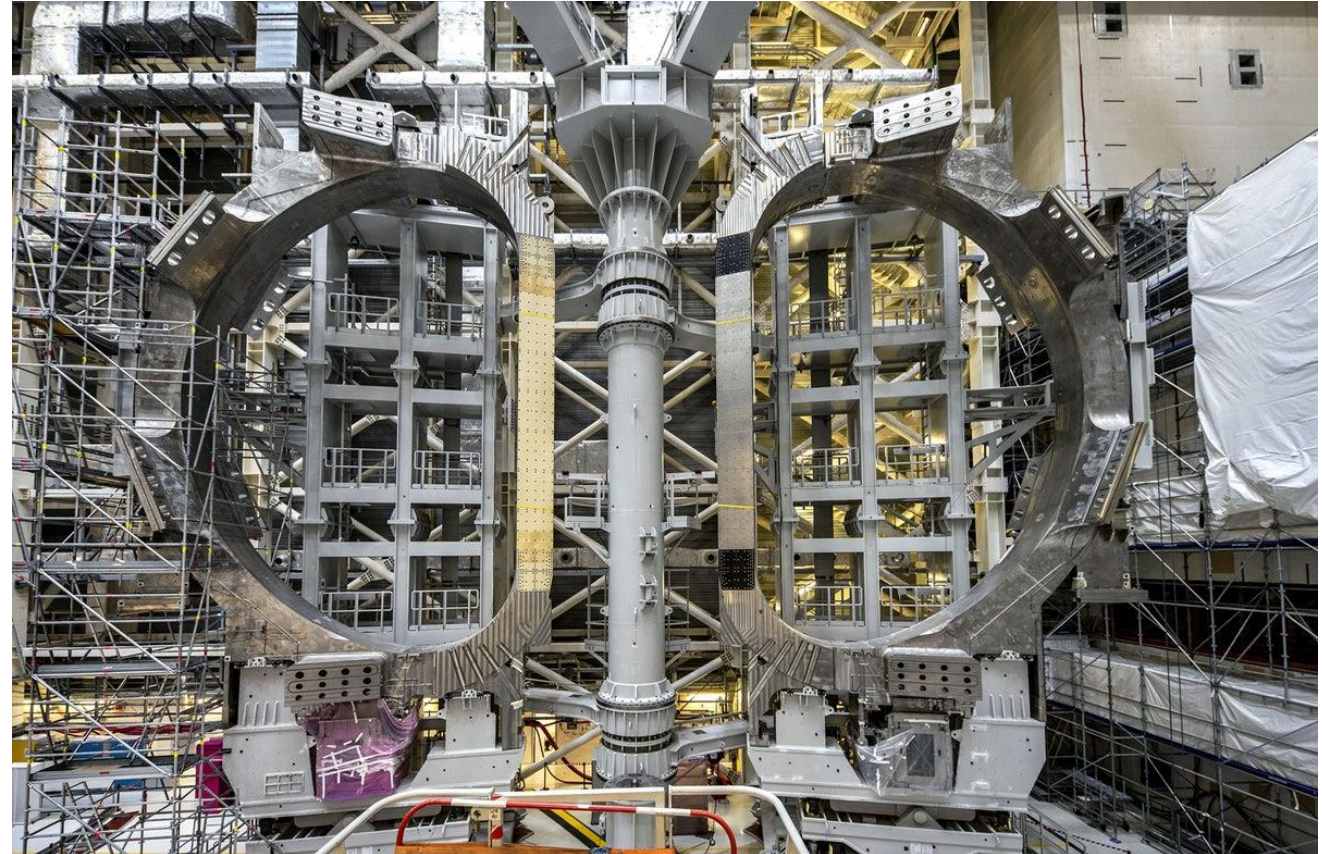
CURRENT COPPER ALLOY PRODUCTS

PRODUCT	APPLICATION USE
C63000, C63200: Aluminum-Nickel-Bronze	Rings, flanges, discs, rods, plates and bar used in marine defense
C70600, C71500: Copper-Nickel	Rings, flanges, discs, rods, plates and bar used in marine defense
C17200, C17510: Beryllium-Copper	Flanges, discs, rings, bars, rods and plate product used in aerospace, marine defense, oil & gas, automotive and plastics.
C10100, C10700: High-purity oxygen-free Copper and Silver-bearing Copper	Power generation, casting molds, electronics, electric motors
C18200, C18000: Chrome Copper and Copper-Chrome-Silicon-Nickel	Backing plates for sputtering target for semiconductor industry
C18150: Copper-Chrome-Zirconium	Power generation, fusion energy reactors, welding, rockets, hypersonic wind tunnel, casting molds for automotive use



MACRO GROWTH TRENDS FAVORING IBC

- ✓ Large increase in planned construction of naval defense ships and subs, all of which use utilize substantial amounts of copper alloys
- ✓ Accelerating build-out of 5G networks and Internet of things increasing demand for computer chips
- ✓ Electronic applications
- ✓ More intensive use of copper in electrified transportation
- ✓ Power generation, including fusion energy
- ✓ Renewed investment in oil and gas



IBC supplies critical copper alloy products to the fusion energy industry

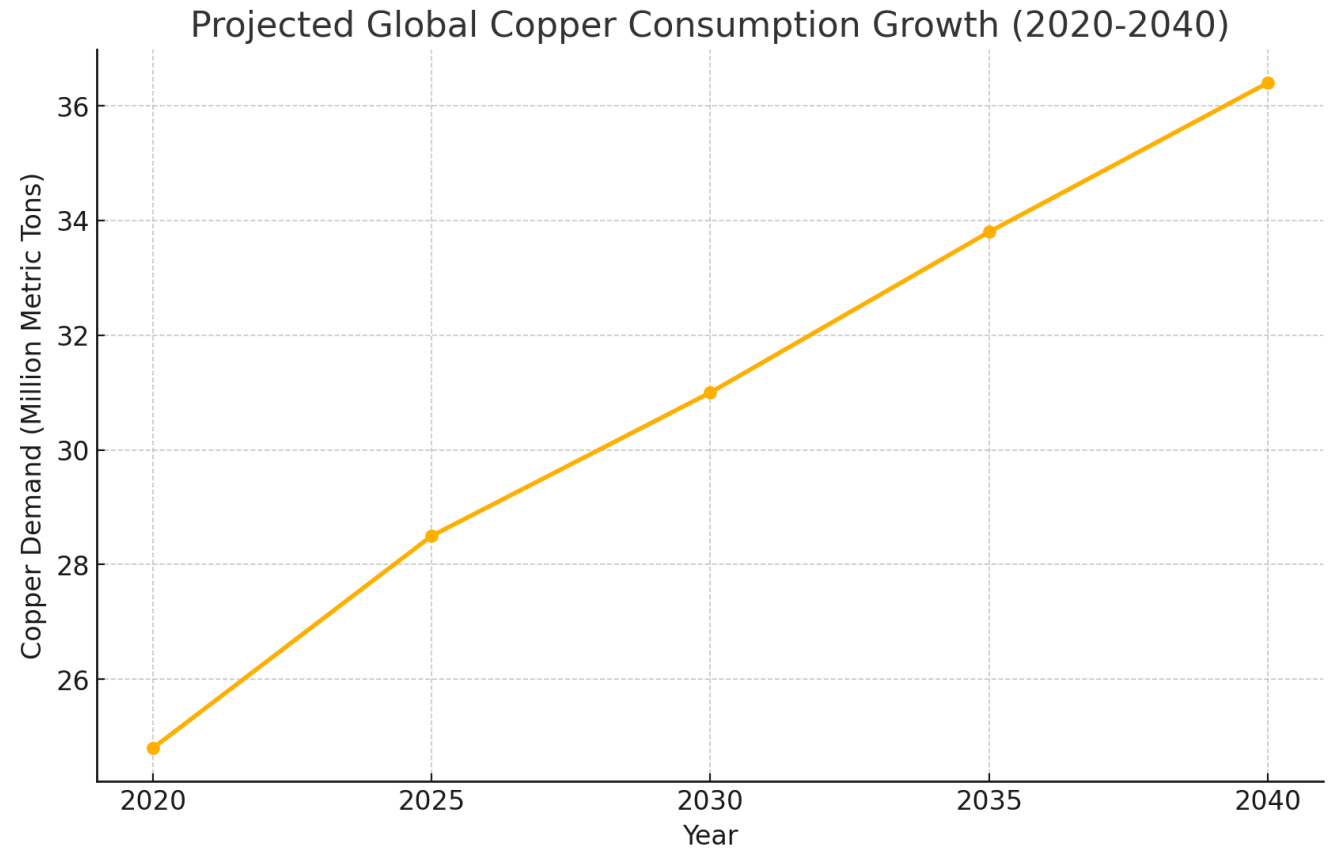
GLOBAL COPPER DEMAND

Forecast Demand Higher by 20%

- By 2035, copper demand is expected to increase by roughly 20% over that period.

What is driving higher copper consumption?

- Naval defense
- Energy Transition
- EVs and Charging Infrastructure
- Technology Expansion (AI / Data Centers)



BOARD OF DIRECTORS



Mark Smith, P.E.
CEO & Chairman

Mr. Smith has 40+ years of experience in operating, developing, and financing mining and strategic materials projects in the Americas and abroad. He currently is Executive Chairman and CEO of NioCorp Developments Ltd. Mr. Smith is well recognized in the mining community, having served as President, CEO, and Director of MolyCorp, Inc., where he was instrumentally involved in taking the company public.



Geoffrey Hampson

Mr. Hampson has founded and financed numerous successful private and public companies since 1978. He has extensive experience in special materials, technology, and mining. In 1982, Mr. Hampson started Novocon International, Inc., which later became Synthetic Industries, a producer of specialty alloy, plastic, and carbon fibers. In 1995, he invested in and joined the Board of Directors of Cymat, Inc., a materials technology company.



Mike Jarvis

Mr. Jarvis has extensive financial and management expertise, including considerable operational experience with manufacturing companies. In 1983, he founded Franklin Power Products, a profitable automotive manufacturer with 2,700 employees and 16 locations in the US and Canada, serving domestic and international customers by remanufacturing gas and diesel engines, transmissions, electrical systems and other components for automotive, large truck, construction and locomotive applications.



Simon Anderson

Simon Anderson came to the IBC Board after serving since 2007 as Chief Financial Officer for IBC and its predecessor company. A CPA, CA with 30 years' experience, he has worked as an officer or director of public companies on the TSX Venture Exchange, TSX Exchange, and NASDAQ for almost 20 years, including for Wex Pharmaceuticals, Minco Mining, and Minco Silver. He has extensive experience in financing, mergers and acquisitions, corporate governance, and securities regulation practices

SENIOR MANAGEMENT



Mark Smith, P.E.
Chief Executive
Officer & Chairman

Mr. Smith has 40+ years of experience in operating, developing, and financing mining and strategic materials projects in the Americas and abroad. He currently is Executive Chairman and CEO of NioCorp Developments Ltd. Mr. Smith is well recognized in the mining community, having served as President, CEO, and Director of MolyCorp, Inc., where he was instrumentally involved in taking the company public.



Terena White
Chief Financial Officer &
Corporate Secretary

Before serving as IBC's Corporate Controller, Ms. White served as Purchasing Controller at Faurecia USA, a leading automotive technology company. Prior to that, she served in various financial capacities, including Accounting Manager at PMG, a joint venture of the powder metal divisions of Plansee and Mitsubishi Materials Global for six years. She has more than 30 years of experience in financial accounting in manufacturing. She received her B.A. and M.B.A. from Indiana Wesleyan University.



Mark Wolma
President, Copper
Alloys

Mr. Wolma has led IBC's Copper Alloys Division for more than 16 years, including the division's recent multi-facility consolidation and the construction and operation of its new vertically integrated copper foundry in Franklin, Indiana. He has more than 34 years of experience in manufacturing, sales and service of electrical, mechanical and hydraulic apparatus. Before IBC, he served as Vice President of Operations for Scherer Industrial Group, Inc. He also was a director for the Copper and Brass Service Center Association. He attended Indiana University-Purdue University.



Rajeev Jain
VP, Sales and Engineering

Mr. Jain formerly worked at Hussey Copper in various senior engineering positions for 10 years before joining Nonferrous Products, which IBC acquired in October 2008. He has been with IBC for 20 years. Rajeev received a Bachelor of Engineering in Metallurgy in 1991 from Rourkela, India and received his MBA from the Kelley School of Business at Indiana University in 2008.



Ken Shasteen
VP, Foundry Operations
& Senior Metallurgist

Mr. Shasteen oversees operations at IBC's foundry in Franklin, Indiana. He was with NGK Metals in Sweetwater, TN and Manufacturing Sciences Corporation in Oak Ridge, TN prior to joining Freedom Alloys in 2000, which was acquired by IBC in 2008. Ken has his Bachelor of Science in Material Science Engineering from the University of Tennessee.



Jim Sims
Director, External
Relations

30+ years of experience in marketing, media relations, public affairs, and investor relations operations for companies in the mining, chemical, manufacturing, utility, and renewable energy sector. A former White House staffer, Jim served for 11 years in the U.S. Senate, including as a Chief of Staff, and held a top-secret security clearance. B.A., Georgetown University.

FOR MORE INFORMATION

Jim Sims, IBC Advanced Alloys, +1 (303) 503-6203

www.IBCAdvancedAlloys.com

YouTube: <https://youtu.be/mdwNg33nD04>

Facebook: <https://www.facebook.com/ibcadvanced>

Twitter/X.com: <https://x.com/IBCAdvanced>

