Long live your engine.
Chromalloy partners with original equipment manufacturers, commercial airlines, the military, power companies, and business and general aviation customers to deliver innovative solutions that reduce manufacturing and operating expenses and extend the life of gas turbine engines.

As a company, we’re driven by innovation. It’s in our roots—as pioneers of protective coatings for turbine airfoils since the 1950s. It’s in our evolution—as one of the first independents to repair gas turbine engine components. And it’s in our future—as we continually develop new solutions that reduce costs and extend gas turbine engine life for manufacturers and operators alike.
Diverse expertise. Common values.

Today, Chromalloy is a $1B+ company with locations in 11 countries around the world. We are 4,000 people strong, meeting the needs of our customers around the globe. Though our backgrounds differ, we share three common values: Innovation, Customer Focus and Teamwork. Partnering with us means you are part of One Chromalloy—which means you can expect the same high level of service, quality and reliability across all our units.

Carlyle Group.

Chromalloy is part of the Carlyle Group, one of the world’s largest private equity firms. The firm has specific expertise in the defense and aerospace sector, as well as in energy. Carlyle combines global vision with local insight to maximize the strength and value of its companies.
CHROMALLOY

21 Production Locations.
4 Continents.
One company.
High technology that lowers costs.
Chromalloy works with major engine manufacturers and airlines worldwide to reduce their costs and extend the life of their gas turbine engines. These contracts incorporate various aspects of the gas turbine engine and leverage Chromalloy's unique and complete value chain—from engineering services to make-complete parts to repair—all under one global brand.
On your side. Around the world.

Chromalloy has worked jointly with Warfighters for over five decades to provide the most technologically advanced solutions that reduce costs and sustain legacy engine fleets. Warfighters count on Chromalloy for sustained readiness, unrivaled flight safety and improved engine performance.

The United States military and armed forces around the world utilize Chromalloy part repairs, replacement parts and overhaul services for many of their turbines in the air and at sea. Today, Chromalloy provides a full line of manufacturing, repair and maintenance capabilities for turbine engines used by the military.
The confidence of working with one partner.

We leverage our aerospace heritage, military insight and expertise in energy and power to provide some of the most high-tech coatings, repairs and parts ever conceived for heavy industrial and aeroderivative gas turbine engines. Because we are one of the only independent companies in the world that provide a full spectrum of services, our energy customers—whether original equipment suppliers or operators—can feel confident and benefit from the simplicity of working with one partner.

Chromalloy incorporates years of advanced coating and repair technology into the redesign, casting and manufacturing of our heavy industrial and aeroderivative gas turbine parts. We utilize single-crystal technology and leading-edge manufacturing tools and processes to produce even the most sophisticated components with utmost precision.
Chromalloy is trusted worldwide to provide business and general aviation engine manufacturers and owners with a wide range of innovative, high-technology repair options to support ever-growing, long-term service agreements and power-by-the-hour programs. Business jets are a significant investment, and dedicated parts and repairs from Chromalloy ensure that B&GA aircraft are outfitted with the most efficient and advanced components available.
Over the past 60-plus years, Chromalloy has evolved into one of the only independent companies in the world that provide engineering, castings, machining, coatings, joining technologies, parts and repairs for complex, high-value engine components—all from a single source.

We work side by side with original equipment manufacturers, commercial airlines, the military, power companies, and business and general aviation customers to provide the latest, most technologically advanced solutions—and deliver those solutions in a flexible, cost-effective manner.

Today, Chromalloy helps its customers do more for less—from meeting tighter timelines and satisfying demands to boosting production while reducing operational complexity and, ultimately, expense. From engineering, castings, machining and joining technology to parts, repairs and coatings—every discipline benefits from Chromalloy’s global knowledge base.
Engineering

Our engineers add value to each of our capabilities—from new part design to repair process development. They combine their years of expertise with the world’s leading technologies to provide our customers with unique competitive advantages. With state-of-the-art testing and analysis technology and an experienced engineering team, Chromalloy can cut down on costs and save time for the customer by providing complete, one-stop engineering support and services.
Castings

Chromalloy operates a major casting center in Tampa, Fla., that is one of the most technologically advanced in the world. This facility features cutting-edge technology—from shell lines that fine-tune process control to furnaces that enable the production of the entire range of complex aero, aeroderivative, industrial gas turbine and heavy industrial components.

Chromalloy’s casting capabilities are unsurpassed and include single-crystal technology, as well as in-house complex ceramic core development and manufacturing.

This technology, expertise and capacity allow Chromalloy to meet the needs of our customers in a way that no other company can. By managing the entire part supply chain—from design and development to casting and coating—we deliver parts efficiently to improve customer turn times. These unique capabilities have earned us the trust of manufacturers and operators around the world.
Machining plays an integral role in the Chromalloy value chain. Our advanced machining capabilities allow us to design, produce and repair even the most sophisticated gas turbine engine components with utmost precision.

By accurately manufacturing, finishing and repairing components, our state-of-the-art machining capabilities ensure that gas turbine engines perform as designed.

In addition, our research has generated multiple proprietary repair processes from metallurgical and mechanical repairs to the design, casting and manufacturing of precision turbine components. These advanced capabilities set Chromalloy apart from any other provider.
Coatings
Chromalloy was the first company to develop commercially viable aluminide coatings, and continues to provide these coatings and their derivatives to manufacturers and operators around the world. Chromalloy coatings protect gas turbine components, increasing their efficiency and reliability at higher temperatures and under severe conditions.

We invest substantially in the research and development of ceramic (thermal barrier) coatings, diffused precious metal/aluminide coatings, vacuum plasma coatings and other innovative coating processes. We’re one of the world’s largest providers of Low Pressure Plasma Spray Overlay and Electron Beam Physical Vapor Deposition (EBPVD) coatings.

These capabilities protect gas turbine components and increase their efficiency and reliability at higher operating temperatures and under severe environmental conditions.
Joining Technology

Chromalloy’s expertise in joining technologies allows us to save precious weight by welding structures in the most efficient way possible. Methods such as friction stir welding and laser beam welding allow us to eliminate the use of overlapping aluminum skins—as well as hundreds of thousands of rivets—resulting in lightweight solutions for both legacy and next-generation gas turbine engines.
Repairs

Over the last several decades, Chromalloy has invested millions of dollars in the research and development of innovative repair processes that return components to their original form, fit and function.

Chromalloy provides a full line of repair and maintenance capabilities for turbine engines. These include standard repairs, source-demonstrated repairs and advanced source-demonstrated repairs such as airfoil replacement repairs.
A robust aftermarket supply chain.

Chromalloy Material Solutions (CMS) is responsible for the sale of Chromalloy surplus material and procurement of inventory required to support our worldwide customer base—as well as our Chromalloy repair divisions. Located in Fort Lauderdale, Florida, CMS offers nearly 70,000 square feet of warehouse and office space.

We employ an experienced sales force to ensure our aftermarket supply chain is robust enough to support our global repair program, as well as ensuring our extensive customer base has on-hand access to a wide range of cost-effective components on a just-in-time basis.

As an accredited member of the Aviation Suppliers Association, Chromalloy Material Solutions is a trusted source for surplus parts and engine materials for our clients around the globe.
Locations

Chromalloy’s Worldwide Network

4,200 people
20 locations
11 countries

Global Service & Support Locations

Bangkok, Thailand
Carson City, Nevada, USA
Crewe, U.K.
Derbyshire, U.K.
Ft. Lauderdale, Florida, USA
Glasgow, Scotland
Guaymas, Mexico
Mexicali, Mexico
Midwest City, Oklahoma, USA
Newnan, Georgia, USA
Oldsmar, Florida, USA
Orangeburg, New York, USA
Palm Beach Gardens, Florida, USA
Corporate Headquarters
Phoenix, Arizona, USA
Rochefort, France
San Antonio, Texas, USA
San Diego, California, USA
Singapore
Tampa, Florida, USA
Tilburg, Netherlands
Windsor, Connecticut, USA
We are Chromalloy. **We are innovators.**

And we are working today—and every day—to meet the needs of our customers, to extend the life of gas turbine engines and to reduce their manufacturing and operating expenses.
Long live your engine.