

The image features two large, white and red helicopter models in flight against a backdrop of a dense, dark forest. The helicopter in the foreground is angled towards the viewer, showing its side profile. It has the number '39' on its red nose and 'COLUMBIA' written on its side. The second helicopter is positioned higher and further back, also in flight. Both helicopters have their main rotors spinning, with motion blur visible on the blades. The overall scene is dramatic and emphasizes the company's aviation capabilities.

**COLUMBIA
HELICOPTERS**

Dedicated People, ***Inspired*** Solutions.

OEM, MRO, and Operational Excellence

Columbia Helicopters is the original equipment manufacturer (OEM) and a globally-recognized commercial operator of the Columbia Model 234, Model 107-II, and CH-47D tandem-rotor, twin turbine engine heavy-lift helicopters.

The company holds the FAA Type Certificate and two separate Production Certificates for both aircraft and engine OEM components for the Columbia Model 234 and Model 107-II helicopters.

In addition Columbia holds a FAA Type Certificate for the CH-47D Chinook. These certifications allow the company to manufacture, modify, and provide unmatched lifecycle support for these aircraft and their components to meet customers' needs. With a range of mission-focused proprietary modifications, Columbia delivers the ultimate in helicopter solutions for your heavy-lift operations.

When you choose Columbia Helicopters, you are assured a professional, personal, and reliable service backed by more than 65 years of experience. We are your one stop source for heavy-lift tandem helicopter operations, maintenance, and support.



UNMATCHED
OEM Support

As the OEM of the Columbia Model 234 and Model 107-II, we maintain sole possession and capability to manufacture, modify, and perform extensive repairs to the helicopters and their parts. This advantage offers exceptional flexibility to support each and every customer’s unique mission requirements. To date, we’ve produced multiple proprietary modifications to meet today’s changing heavy-lift mission needs.

Our worldwide helicopter sales department ensures agencies and operators receive a reliable and fully supported aircraft that meets requirements, whether it be a sole-capability operation or a multi-mission profile.

OEM SERVICES

- | | |
|-----------------------------|--|
| • Aircraft Maintenance | • Test Cells for the Honeywell T55 Engine and GE T58 and CT58 Engines |
| • Aircrew Services | |
| • Aircraft Fleet Management | • Major Airframe Modifications (Structural, Avionics, and Mission Equipment) |
| • Program Management | • Components Repair and Overhaul |
| • Flight Operations | • MRO on Avionics, Hydraulics, Rotor Blades, and Parts |
| • Airfield Management | • Engineering Support Services |
| • Finishing and Paint | • Aftermarket Maintenance and Material Management |

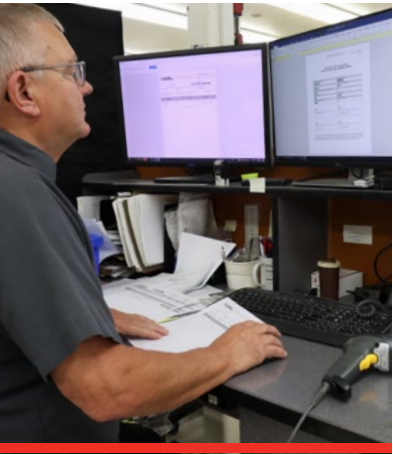
Operations, Flight, and Maintenance Training Services



At Columbia, we recognize well trained forces lead to efficient, effective mission operations. Our highly skilled and experienced educational professionals travel to wherever they are needed to deliver quality comprehensive training that ensures the technical proficiency, safety, and security of each person and operation. Training services include:

- | | |
|---------------------------|---------------------------------|
| • Curriculum Development | • Courseware Development |
| • Computer-Based Training | • Training & Certification |
| • Classroom Training | • Records Maintenance & Systems |
| • Flight Training | • On-The-Job & Field Training |

Engineering and Technical Support Services



Columbia stands unrivaled in the decades of experience and expertise across every facet of the Model 234 and Model 107-II. This level of experience allows us to optimize aircraft uptime while ensuring the aircraft perform at their full mission potential in harsh environments. The Columbia engineering team is constantly seeking opportunities to modernize, increase efficiency, and further develop operational capabilities for our customers with modifications and updates to our aircraft. In addition, Columbia maintains highly skilled FAA Designated Engineering Representatives (DERs) on staff ensuring all engineering efforts follow appropriate airworthiness standards and offers complete engineering and technical support services.

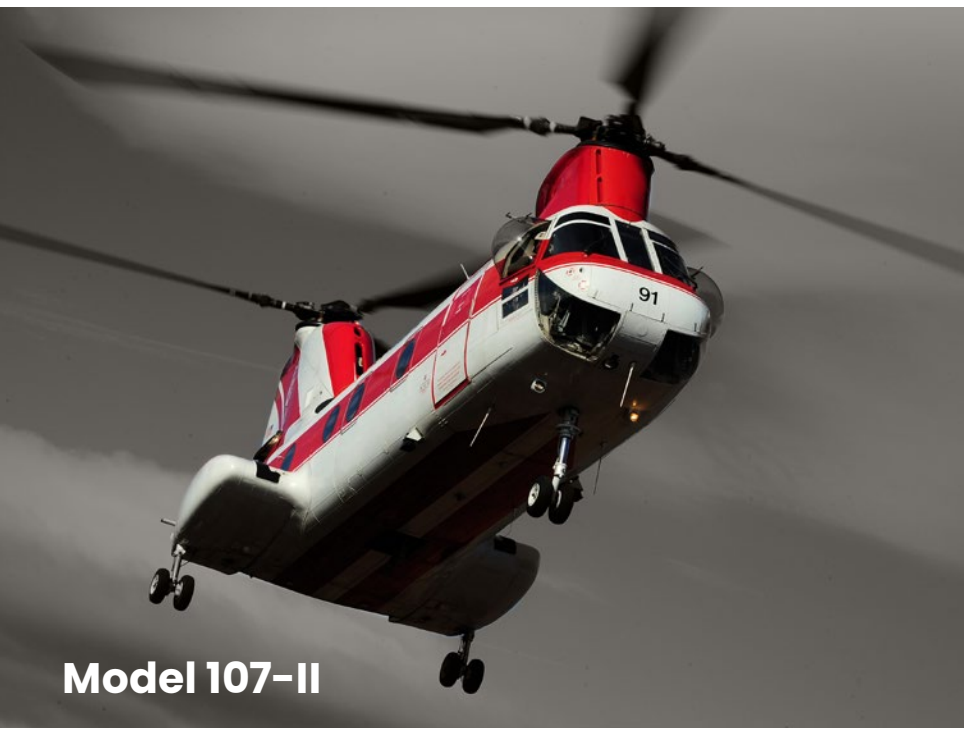
Supply Chain Management and Logistics Services



Close, long-term relationships with suppliers, vendors, and partners allows Columbia’s supply chain management and logistics services to reduce costs, optimize product delivery lead times, and accurately forecast resources and planning needs, driving greater efficiency and profitability. Columbia’s comprehensive approach enables us to provide complete supply chain management that keeps projects on budget and on schedule while providing the flexibility and agility to adapt to changing requirements. With our proven expertise and dedication to excellence, Columbia delivers unparalleled supply chain management solutions that enhance your operations and bottom line.



Model 234



Model 107-II



Model CH-47D



COLUMBIA
Model 234



Unmatched in range, endurance, and multi-mission capability, the standard category Model 234 Helicopter provides year-round heavy-lift support.

This unrestricted Model 234 can be quickly reconfigured to meet multiple mission profiles, expanding the aircraft's economic efficiencies and return on investment. A variety of available proprietary Columbia modifications make the 234's exceptional flexibility possible. Columbia is the OEM of the Model 234 Helicopter.

It can be configured for multiple commercial uses, including firefighting, passenger transport, cargo, and MEDEVAC.

SPECIFICATIONS	Imperial	Metric
Maximum Gross Weight	50,000 lbs	22,680 kgs
Maximum Hook Weight	25,000 lbs	11,339 kgs
Range (Max Fuel)	550 nm	1018 km
Range (Max Fuel & Aux Tanks)	850 nm	1574 km
Fuel Capacity	1,028 gal	3,891 liters
Fuel Capacity (w/ Aux Tanks)	1,528 gal	5,784 liters
Fuel Consumption	329 gal/hr	1,245 liters/hr
Maximum Speed	150 knots	278 km/hr
Cruise Speed	120 knots	222 km/hr



COLUMBIA
Model 107-II



COLUMBIA
Model CH-47D



The Columbia Model 107-II helicopter is a highly capable aircraft that excels in its weight class and category. Compared to its competitors, it offers exceptional payload capacity, flight range, and fuel efficiency.

Highly maneuverable, the Columbia Model 107-II is agile and responsive, making it well-suited for a range of mission profiles. The Model 107-II can be configured for multiple uses, including commercial passenger transportation, internal and external cargo transportation, aerial firefighting, helicopter logging, oil and gas exploration, and infrastructure support. Columbia is the OEM for the Model 107-II Helicopter.

SPECIFICATIONS	Imperial	Metric
Maximum Gross Weight	22,000 lbs	9,979 kgs
Maximum Hook Weight	11,500 lbs	5,216 kgs
Range (Max Fuel)	250 nm	463 km
Range (Max Fuel & Aux Tanks)	358 nm	663 km
Fuel Capacity	350 gal	1,325 liters
Fuel Consumption	170 gal/hr	643 liters/hr
Maximum Speed	148 knots	247 km/hr
Cruise Speed	120 knots	222 km/hr

The CH-47D Chinook is a powerful, economical, and versatile aircraft with capabilities that make it ideal for firefighting and heavy-lifting operations.

As a restricted category aircraft, it can be configured for external cargo transportation and aerial firefighting with an external water bucket or internal tank. Columbia owns the FAA Type Certificate for the CH-47D.

SPECIFICATIONS	Imperial	Metric
Maximum Gross Weight	50,000 lbs	22,680 kgs
Maximum Hook Weight	26,000 lbs	11,793 kgs
Range (Max Fuel)	360 nm	722 km
Range (Max Fuel & Aux Tanks)	556 nm	1,030 km
Fuel Capacity	1,028 gal	3,891 liters
Fuel Consumption	329 gal/hr	1,245 liters/hr
Maximum Speed	170 knots	315 km/hr
Cruise Speed	130 knots	241 km/hr



WORLDWIDE MRO Service and Support

Above: The appearance of U.S. Department of Defense (DoD) visual information does not imply or constitute DoD endorsement.

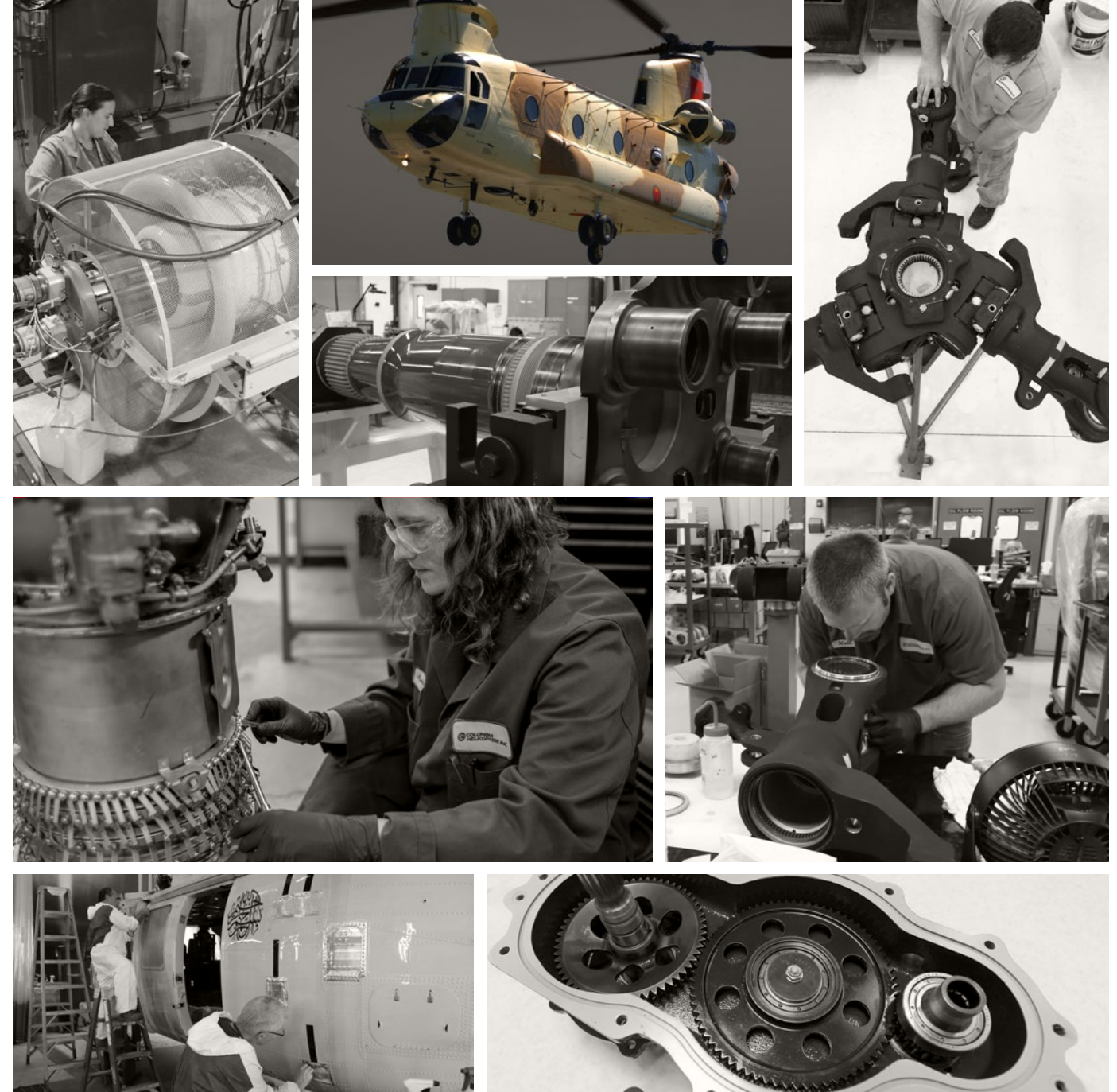
As the world's leading heavy-lift helicopter OEM, MRO, and operator, Columbia Helicopters is renowned for its exceptional MRO capabilities.

With decades of experience, a highly skilled team of technicians and engineers, and state-of-the-art facilities, Columbia Helicopters MRO delivers world-class maintenance and repair services to ensure that your aircraft is operating efficiently, minimizing downtime and maximizing lifespan.

Lifecycle Management Services

Columbia Helicopters' lifecycle management services cover a range of areas, including logistics and supply chain management, maintenance and repair, modifications and upgrades, training and support, and end-of-life disposal. With its comprehensive suite of services, Columbia Helicopters can provide customers with a one-stop-shop for all their lifecycle management needs, streamlining the process and reducing costs. Services include:

- Aircraft Maintenance
- Airframe and Powerplant Modifications
- Aircrew Services
- Aircraft Fleet Management
- Program Management
- Complete Aftermarket Maintenance and Materials Management
- Contractor Logistics Support & Life Cycle Contractor Support (CLS/LCCS)
- Operations and Maintenance Training
- Kit Design, Manufacture, Assembly, & Installation
- Non-Destructive Testing/Inspection (NDT/NDI)



MRO Support

Columbia Helicopters puts more than 50 years of experience in maintenance and overhaul to work at our FAA-Approved Part 145 Repair Station and in the field. Our extensive parts inventory, paired with ownership of type and production certificates, enables us to provide fast turnaround times and outstanding service on virtually every part of the Columbia Model 234, Model 107-II and CH-47D – airframe, components, and engines. Our capabilities include:

- Test Cells for the Honeywell T55 Engine and GE T58 and CT58 Engines
- Major Airframe Modifications (Structural, Avionics, and Mission Equipment)
- Components Repair and Overhaul
- MRO on Avionics, Hydraulics, Rotor Blades, and Parts
- Finishing and Paint

Full-Service Operational Support

Columbia's aircraft operation services range from full-service support to customer-specific programs. In addition to being a Commercial Airlift Review Board (CARB) certified airlift provider to the U.S. Department of Defense (DOD), Columbia Helicopters also holds an FAA 14 CFR Part 135 Operating Certificate.

FULL-SERVICE AIRCRAFT OPERATIONS

- Trained Pilot, Crew, and Maintenance Personnel
- Aircraft Maintenance
- Fuel and Special Equipment Support
- Specialized Mission Execution Expertise

Aerial Firefighting



Columbia's helicopters bring targeted capabilities to wildland firefighting around the globe, including some of the highest volume bucket loads possible. With each aircraft, Columbia delivers turnkey support, equipment, and crews. From dropping water and retardant to carrying cargo, ground clearing equipment, and firefighters, Columbia's aerial firefighting capabilities are as broad as our experience is deep.

- Internal Tank Water and Foam Drops
- External Bambi Bucket Drops
- Night NVG Operations
- Crew Repositioning
- Internal and External Cargo and Equipment Transport

Infrastructure



Columbia Helicopters' heavy-lift helicopters can carry up to 25,000 lbs., performing work and lifting loads no other aircraft can touch. More versatile and efficient than single main rotor designs, the tandem-rotor and twin-engine design of our helicopters allows all available power to support higher internal and external payloads. The design also provides increased stability in crosswinds, allowing pilots to perform effective precise load placements.

- Power Line Construction
- Pipeline Construction
- Rooftop HVAC Install/Removal
- Sky Lift Tower Construction
- General Construction Support
- Material and Equipment Transport and Placement

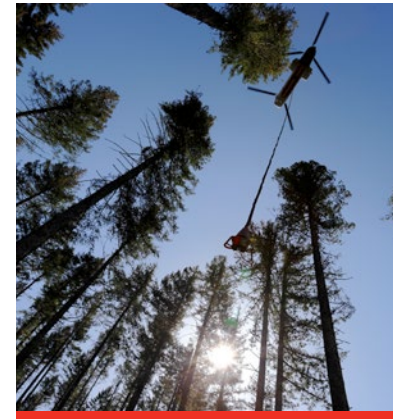
Oil and Gas Support



Columbia Helicopters supports oil, gas, and mineral exploration and extraction with precise, safe, and reliable rig, cargo, and equipment lift operations. Our aircraft have performed heavy-lift operations with power and precision in terrain ranging from mountain sites at 9,000 feet to dense jungles. On-site maintenance, a robust parts supply, and our world class Load Management Program allows us to deliver turnkey service and maintain the industry's highest heavy-lift availability rate.

- Rig Moves
- Material Transport
- Logistical Support
- Specialized Rigging
- Various Cargo Delivery Options
- Equipment Transport and Placement

Forestry and Stream Restoration



Columbia Helicopters has supported forest and stream restoration operations for more than six decades. Biologists use our helicopters to place boulders, logs, and root wads into streams and creeks for enhanced fish habitat. Our aircraft are also highly effective in low impact logging operations, able to carry large loads with little environmental effect in sensitive areas.

- Helicopter Logging
- Land Management Support
- Placement of Large Trees and Debris
- Habitat Improvement and Restoration
- Stream Improvement and Restoration

Defense & Government Services



Columbia Helicopters helped redefine heavy-lift aircraft use in the military, supporting U.S. and NATO forces since 2011.

As a civilian contractor, Columbia pairs its strong customer service culture with unparalleled long line transport, precision placement, internal cargo, passenger movement, mail delivery, night vision operations, and construction experience to create new opportunities and increase support for troops.



Columbia Helicopters

Over the course of 65 years, Columbia Helicopters established and redefined the heavy-lift helicopter industry with continuous innovation, capabilities, and support.

Founded in 1957 by Wes Lematta on the belief that helicopters could lift more than just people, Columbia has grown to become a leading OEM of heavy-lift helicopters.

With a strong emphasis on exceptional OEM and MRO capabilities, Columbia continues to push the boundaries of what is possible in the industry.

As Columbia's heavy-lift capabilities grew over the years, so did its ability to expand the company's potential. In 2006, Columbia

purchased the 107-II Vertol type certificate and 234 type certificate from Boeing. It then purchased the CH-47D type certificate in 2014.

Since that time, Columbia has grown and expanded the capabilities of each aircraft through innovative modifications to meet today's heavy-lift needs while also exceptionally expanding its OEM and MRO capabilities, including parts availability, to provide a turnkey, one-stop sales, lease, and support service for operators of the aircraft.



Dedicated People, **Inspired** Solutions.

YOUR HEAVY-LIFT EXPERTS

CONTACT US TODAY

Columbia Helicopters is your complete heavy-lift helicopter OEM, MRO, lifetime support, and operations solution.

503.678.1222 | colheli.com

14452 Arndt Rd NE, Aurora, OR 97002

bdmarketing@colheli.com

*Performance data may differ depending on aircraft operating conditions and configuration.