

Better Performance Starts with Better Technology

THE BLR ADVANTAGE

Unprecedented improvements  
for your Bell Helicopter.

A Bell helicopter, likely a Bell 412, is shown in flight against a dramatic sunset sky. The helicopter is white with blue and red accents. The tail boom features the registration number "412 EP". The background shows a silhouette of a mountain range. The BLR logo is in the bottom right corner.

**BLR**  
PERFORMANCE INNOVATION



Graham Lavery Photo

U.S. State Department Huey II helicopters fly hot/high missions with the FastFin System in Afghanistan.

# IT'S YOUR BELL. ONLY BETTER.

## Does it work? Ask a Pilot.

"We were the first fleet to install and operate the BLR Aerospace FastFin System for our Bell 212s. The system is a helicopter performance and safety enhancement that decreases fuel usage, increases lift and increases stability; they are proving to be very successful for us."

Ian Wilson, General Manager, Wildcat Helicopters

"The use of pedal is greatly reduced with FastFin — you'll see a dramatic difference in tail rotor authority."

John Boucher, President, Overseas Aircraft Support

"We are impressed at the clear improvements in aircraft handling with the new FastFin System, especially the improved stability in crosswinds when the aircraft has a full passenger load or a heavy external load. This is a significant safety benefit when operating from offshore platforms, where space restrictions and obstacles are always a factor."

AJ Baker, Falcon Aviation

"Dual Tailboom Strakes are an excellent modification that extend the life of my Jet Rangers."

Ray Newcomb, JBI Helicopter Services

## THE BLR ADVANTAGE

BLR Aerospace FastFin® and Dual Tailboom Strakes will dramatically improve the performance and stability of your Bell helicopter.

### What is FastFin?

The FastFin tail rotor enhancement and stability system improves productivity and safety while reducing workload for helicopter operators. The patented FastFin System modifies the tailboom with two parallel stall strips (Dual Tailboom Strakes) and re-shaped vertical fin, optimizing airflow around the tailboom for dramatically improved handling. FastFin will also expand the lifting capacity of your helicopter, increase performance and enable greater stability in all flight regimes, including high and hot hover conditions. Additionally, FastFin will reduce fatigue for both pilots and airframes.

### Benefits

- Improved Hot/High Performance (up to 91%)
- Improved Crosswind Capabilities
- Reduced Fuel Burn in Hover (up to 6.5%)
- Reduced Pilot Workload

FastFin is available for Bell 412, 212, 204B, 205A-1, 205B, Huey II, and most UH-1 derivatives.

### What are Strakes?

Easily installed on your helicopter's tailboom, strakes organize and control aircraft rotorwash, reducing the undesired sideways lift on the left side of the tailboom. Dual Tailboom Strakes, included with each FastFin System, reduce the turbulence under the tailboom, reducing tail rotor pedal reversals by as much as 50 percent. Strakes are the most cost-effective, multi-functional, value-added modification ever developed for single-rotor helicopters with enclosed tailbooms.

### Benefits

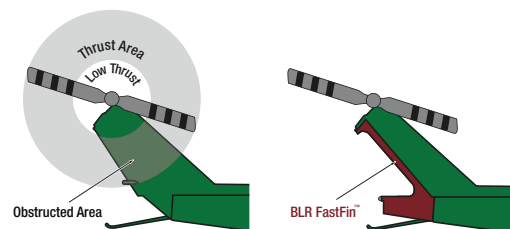
- Improved Hover-Hold Tasks
- Reduced Airframe Fatigue
- Improved High Density Altitude Capability
- Improved Payload
- Improved Pedal Margins
- Reduced Torque
- Reduced Tail Rotor Power Requirements
- Reduced Operating Costs (fuel savings)

Strakes are available for a range of Bell helicopters: 206B, 206L, AB212, AB205, OH-58, AH-1.

Dual Tailboom Strakes are included in the FastFin System for: 204B, 205A-1, 205B, 212, 412, Huey II, and UH-1.

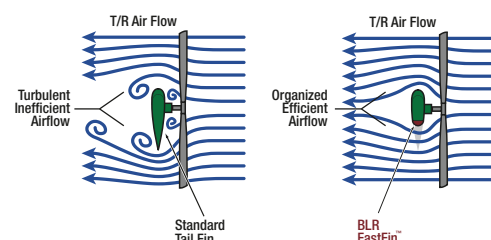
### BLR FastFin™ Increases Usable Thrust Area

Starboard View of Vertical Stabilizer and Tail Rotor



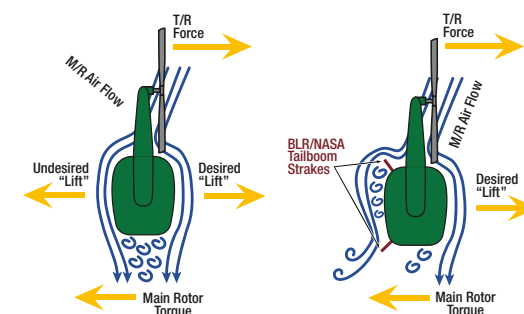
### BLR FastFin™ Improves Tail Rotor Efficiency

Top View of Vertical Stabilizer and Tail Rotor



### BLR Strakes Reduce Undesired "Lift"

Rear View of Vertical Stabilizer and Tail Boom



## Especially for Bell Lights.

If you fly a Bell 206B or 206L, you can quickly and dramatically improve the performance and stability of your helicopter with one small modification.

Affordable, easy-to-install Dual Tailboom Strakes will measurably improve the efficiency and effectiveness of your operation, especially when flying the most challenging hot/high missions.

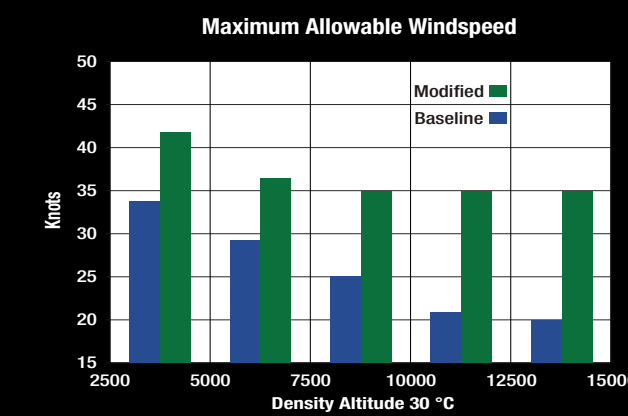
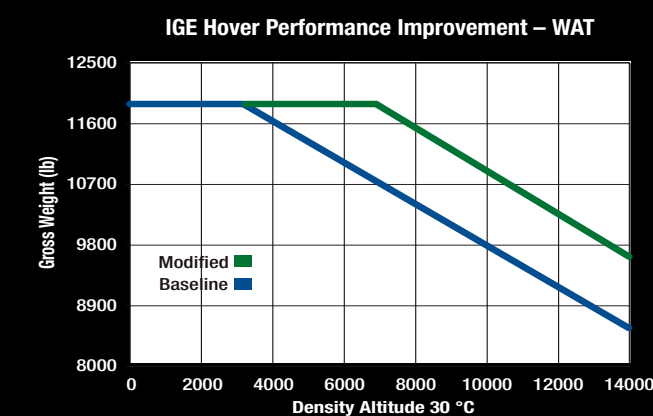
Some 700 strake-equipped helicopters have flown in excess of 1 million hours worldwide. BLR Dual Tailboom Strakes are proven — by operators like you.

# FASTFIN CERTIFIED RESULTS.

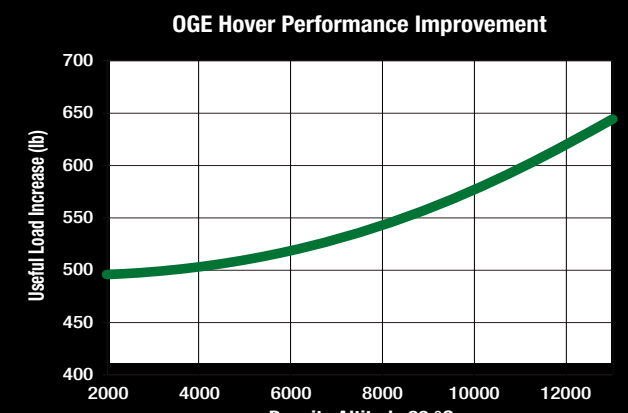
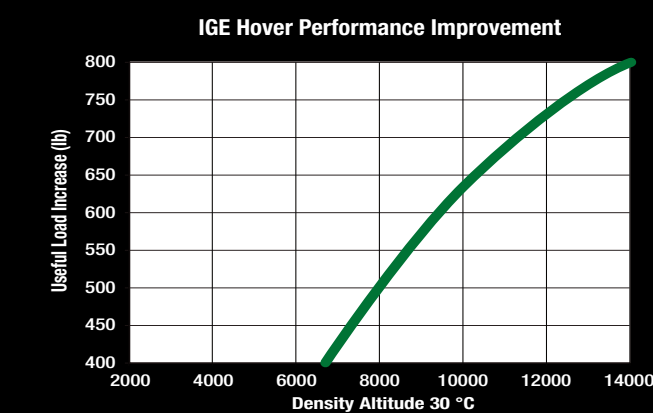
BLR's FAA-certified improvements in density altitude ceiling, out-of-ground effect hover, in-ground effect hover and wind azimuth operations are impressive, and represent the biggest improvement in the history of Bell medium platforms. In fact, Bell Helicopter recently

announced its intent to install the BLR FastFin System on new Bell 412 EP helicopters. This decision verifies what nearly 200 operators already know: FastFin is a mission-critical enhancement that improves operations in an immediate and measurable way.

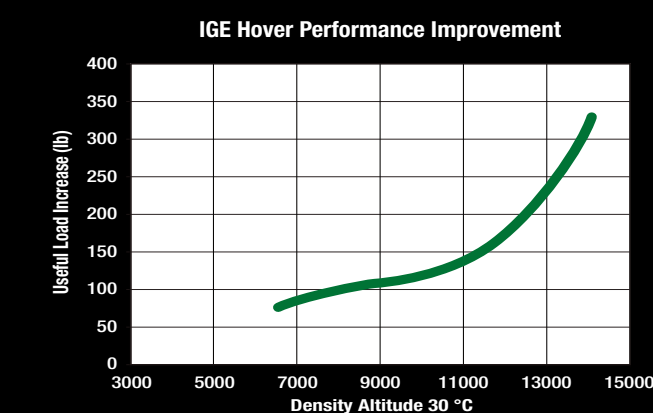
## Bell 412 Performance Highlights\*



## Bell UH-1H Performance Highlights\*



## Bell 212 Performance Highlights\*\*



## Certifications on BLR's FastFin System

	FAA	Transport Canada	EASA	ANAC
204	✓	✓	✓	✓
205	✓	✓	✓	✓
212	✓	✓	✓	✓
412	✓	✓	Pending	Pending
UH-1	✓	N/A	N/A	N/A

\* FAA Certified Performance. \*\* FAA Certified Performance Pending.

BLR is focused on developing the highest performance aerodynamic solutions in the industry, and we back up our superior designs with unsurpassed manufacturing quality.

To learn more about how BLR can improve your fixed- or rotary-wing performance, contact us at:

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[www.BLRaerospace.com/FastFin](http://www.BLRaerospace.com/FastFin)  
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Performance and ROI estimates are non-certified and may vary based on individual aircraft and operations.

