



## **BELL 505** THE BEST TOOL FOR PILOT TRAINING

The Bell 505 has inherited the main features of Bell design that make our helicopters the aircraft of choice for pilot training. Around the globe, 35% of the training fleet is composed of Bell helicopters, and about 80% belong to the Bell 206 family.

Bell expertise in training goes beyond designing the right aircraft for your mission. The Bell Training Academy has trained over 130,000 pilots and mechanics, from private/commercial operators to government agencies and worldwide armed forces. We know from firsthand experience the highly demanding requirements of trainer helicopters.

## THE IDEAL TRAINER

The Bell 505 is the perfect training partner. Advanced displays and innovative technology give trainers and trainees an exceptional experience with critical safety features.

- High inertia rotor system provides excellent autorotation capability
- Fully integrated Garmin GH1000H™ flight deck with twin 10.4" LCD screens
- Optional flight displays increase situational awareness:
  - Traffic Information System
  - Helicopter Terrain Awareness and Warning
  - Garmin's Helicopter Synthetic Vision Technology™
  - Moving Map Display
  - "Pathways in the Sky" Display
- Safran Arrius 2R engine with dual-channel Full Authority Digital Engine Control (FADEC)
- Enhanced safety features such as energy-attenuating seats, crash-resistant fuel tanks and 4-point seat belts

## TRAIN WITH THE BEST

Innovation means redefining what it means to be the best. The Bell 505 is the newest addition to the Bell Jet Ranger family. Carrying on the legacy of the Bell 206, used to train pilots for more than 50 years, the Bell 505 offers all the essential features of our training aircraft with advanced technology:

- Optional dual-pilot controls for efficient student-flight instructor interaction
- Integrated flight deck to reduce flight instructor workload
- FADEC system to increase fuel efficiency and reliability
- Versatility and comfort: Can be flown single-pilot from left or right seat, has adjustable pedals, excellent visibility and plenty of headroom for pilots with helmets
- Avionics suite commonality makes an easy transition to 407GX rating



## THE DUAL-CHANNEL FADEC ADVANTAGE

Expect the unexpected. The Engine Control System provides an extra layer of safety even during unanticipated training occurrences.

- Simplifies start procedure
- Prevents hot starts
- Allows for 30-second cool downs
- Provides long-term health monitoring and diagnostics
- Controls engine throttle:
  - Automatically maintains optimal RPM even during aggressive maneuvering
  - Prevents most common accidental over-torque scenarios
  - Records exceedances