



EC145 T2 - Eurocopter's newest solution for today's most demanding operations

# Perfectly suited for the most demanding multi-purpose mission requirements

The EC145 T2, the newest 4-ton class twin engine, multi-purpose helicopter in the Eurocopter product range, is the latest evolution of the EC145/BK117 family. This family of aircraft has seen more than 800 deliveries worldwide and has

accumulated more than 3 million flight hours. The EC145 T2 combines EUROCOPTER's breakthrough technologies, including an advanced cockpit design, modern avionics, 4-axis autopilot and a Fenestron® tail rotor, with the rugged and proven

designs of the BK117 family, such as the main rotor system.

Thanks to its outstanding roomy and versatile cabin, this aircraft can accommodate up to 12 seats and can be configured for either one or two pilots.



Safe & Silent  
Fenestron® Tail Rotor

2 Powerful Turbomeca Arriel 2E Engines,  
with Dual Channel Full Authority Digital Engine Control  
and Engine Data Recorder

Light Weight Composite  
& High-Set Tail Boom

Improved  
Main Gear Box

4-Axis Autopilot

#### Most Advanced Avionics

- Harmonization concept for future Eurocopter fleet
- Fully modular
- State-of-the-art

The EC145 T2's first flight performed in June 2010 - First series production delivery set for 2013





## Highest Safety Standards in Flight and on the Ground

Building upon the high safety standards of the EC145, the EC145 T2 sets the limits even higher:

### • Fenestron

The Fenestron is a proven, Eurocopter tail rotor innovation with an anti-torque-device and redundant hydraulics. It is the ideal solution for 360° approachability at all times and the highest protection for those on the ground. The Fenestron allows for increased operations in dense urban areas and confined spaces (helipad, forest), where foreign object damage is a high risk.

### • Most advanced Human Machine Interface with innovative Eurocopter avionics suite

- 4-axis autopilot allows pilots to concentrate fully on their mission
- New unique displays and alerting system concept for high awareness in all situations.

### • Full Authority Digital Engine Control (FADEC)

The Turbomeca Arriel 2E engine-model brings modernity, with a new dual-channel FADEC generation, to enhance safety and decrease the pilot's workload.

## High Availability and Cost-Effective Maintenance

The new gear box of the EC145 T2 is an evolution of the proven solutions offered by the EC145 and Bölkow System. Both the main gear box and aircraft components benefit from an increased time between scheduled maintenance overhauls, resulting in lower maintenance costs and the best solution to keep your aircraft in-service when you need it. The new Engine Data Recorder (EDR), along with an e-Logbook, provides an increased surveillance of system behavior allowing for further analysis in order to anticipate upcoming maintenance needs.

## Environmental-Friendly

Equipped with the Fenestron®, which significantly reduces sound levels, the EC145 T2 is the quietest helicopter in its class.

The all-composite structure and aerodynamic geometry of this tail boom also contribute to an optimized fuel consumption.

## An Elegant Shape

With a refined interior and a pleasing exterior shape thanks to the Fenestron tail rotor, the EC145 T2 provides even the most demanding customers with solutions tailored to their specific needs.

## Extended Mission Capabilities

Sharing many basic features with the EC145, the EC145 T2 will be able to be equipped with the same optional equipment to carry out missions such as EMS, Law Enforcement, SAR, Business Aviation, oil and gas and utility.

The EC145 T2 comes with a 4-axis auto pilot, optimizing the capabilities of the aircraft for over-water day and night SAR missions. This innovative auto pilot, developed specifically for helicopters, is already available and in operation with the EC155, EC175 and EC225. It has been acknowledged by its operators as a high end, user-friendly and extremely helpful system.

## Powerful

The EC145 T2 is equipped with two powerful and modern Turbomeca Arriel 2E engines, each controlled by a dual channel Full Authority Digital Engine Control (FADEC), which, in combination with the aircraft's lifting system, provide outstanding All Engine Operative (AEO) performances. The One Engine-Inoperative (OEI) performances of this new aircraft version have been significantly improved.

The EC145 T2 is capable of Category A operations up to Class 1 and Class 2 performance, according to EASA OPS.





thinking without limits



EC145 T2-02-11-E. - Designed by Eurocopter - Photos: Charles Abarr  
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