



## CESIHEL

# The best training tool for pilots and maintenance technicians

Firmly committed to enhance pilot skills and to increase the level of training, CESIHEL gives the opportunity to practice any of your daily missions, civil and military, through the most realistic scenarios lying under any meteorological condition and emergency situation.

Operated by Indra under a special arrangement with the Spanish Army, CESIHEL offers a complete range of training for pilots (Ab initio, type rating, recurrent, NOE, NVG, tactical flights) and maintenance personnel of Cougar, Chinook and EC135 helicopters.

Indra, a premier Information Technology company in Spain, began simulation activities in 1980 and has continued to the present day, covering flight, ground and naval simulation, both for defence and civil markets. Indra has delivered more than 200 simulators in 23 countries for more than 50 customers, offering all of them a safe, cost-effective and environmentally friendly solutions.

# Helicopter Training Center

## Training Resources

### Full Flight Simulators

The most comprehensive training tool of the center, three different types of helicopter are available:

- AS532 UL Cougar.
- CH47-D Chinook.
- EC135.

All of them use visual, motion, controls loading and audio cues to replicate the operation, behavior and performance of the helicopter according to level D EASA requirements. The visual system provides a very wide field of view (FOV) and NVG capability stimulating the real goggles.

### Fixed Base Simulators

They share most of the characteristics of the Full Flight Simulators, except motion system and reduced FOV visual system. They are great tools for training flights which do not require motion feelings at a lower price (IFR, MCC, NVG...).

### Tactical Training System (SITAC)

SITAC allows integration and control of different simulators in a joint mission via the HLA standard, flying the same scenario, tactical for military missions or whichever (HEMS, SAR,) for civil ones.

SITAC's capabilities also include:

- Pilots database for training evolution.
- Mission evaluation system.
- Course syllabus design.
- Mission record and replay.

## Training Capabilities

### Pilot Training

CESIHEL offers the opportunity to perform different pilot courses under EASA rules or Military ones:

- Type Rating.
- Recurrent training: normal, abnormal and emergency procedures.
- Night Flight (conventional and NVG).
- MCC.
- Low altitude Flight (NOE).
- Tactical Flights.
- IMC/IFR.
- Mountain flights.
- LOFT and license renewal (only EC135).



CESIHEL offers both wet and dry training. Our Instructors team is one of the most relevant assets of the Training Center. Most of the Instructors are active Spanish Army pilots, with high experience in operations in all kind of environments and missions.

### Maintenance Training

CESIHEL offers a wide range of maintenance courses (Initial and Advanced) thanks to a wide pool of well experience instructors and the capabilities of the Computer Based Training rooms for each helicopter type. Normally maintenance training is hands-off, but due to arrangements with Technical Maintenance Schools, CESIHEL offers also hands-on courses in some helicopter models.



## Services

### Location

CESIHEL is located at the Spanish Army Aviation main base, in Colmenar Viejo, close to Madrid, just 30 minutes by car from Adolfo Suarez (Madrid-Barajas) Airport, one of the largest airports in Europe.

### Additional Services

CESIHEL has agreements with hotels in Madrid and surroundings, near the Training Center, very advantageous for customers. From our assistance services, customers are provided with hotel reservations as well as car rental and leisure information (restaurants, events...).

### Leisure

Madrid is the capital and financial center of Spain, with a population of nearly 5 million people.

Madrid is a modern cosmopolitan city which offers a very wide range of cultural and leisure activities with pleasant meteorological conditions.

Trips from Madrid are easy thanks to a very wide rail network and highways due to the center location of the city in Spain.

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