H21

BELL 412 MULTIENGINE HELICOPTER SIMULATOR
FNPT II MCC

entrol

FNPT II MCC certified

Use the entrol H21 in your integrated and modular courses (IR / MCC / CPL / ATPL...).

additional training for Bell 412

Provide additional training for Bell 412 with the entrol H21 (Normal & Emergency procedures, systems training...).

maintenance & certification support

Simulator covered by a comprehensive after-sales service. We offer support for the initial and recurrent certification.

entrol's in-house technology

All of our simulators are manufactured with entrol's most advanced technology, which is 100% produced and developed in Spain. This way we can guarantee the quality and production time required by our clients.

Cockpit, flight controls and systems based on the Bell 412

- Flight control loading system in cyclic, collective and pedals
- Flight model validation data obtained from real flight tests
- Dual interlinked cyclic, collective and throttle grips
- Dual Pilot IFR Configuration
- EFIS with 4 axis
- Fiber Glass Shell
- Weather radar
- TCAS I
- Offshore operation systems: Adelt, AHRS
- FMS based on CDU UNS-1D
- TCPIP Sensing Technology

Terrain, navigation & airports database

- Worldwide terrain database
- Geographical features are easily recognizable such as mountains, coastlines and urban areas
- 10 airports to be selected by the customer
- The navigation database includes all route navaids and the approach navaids for the airports selected by the customer
- SID/STAR airport approaches of Heathrow, Barajas, Schiphol, Estambul, Paris and others are included

Enclosed instructor station with two 24" tactile screens

• Two 24" tactile screens with an intuitive and easy interface
• Failures organized by systems easily activated
• Weight and balance, fuel quantity, ZFW,..
• Atmospheric and visual conditions can be changed in real time
• Lateral and vertical approach view
• Automatic QTG's on the Instructor Station that can be printed and saved
• Approach Plates of defined airports with the position of the aircraft over the page

3 Channel Cylindrical Visual 150°x40°
- Total immersion during the exercise on the simulator
- Full HD Projectors
- Warping and edge blending included

Easy installation of the simulator
- The simulator can be installed in a room of 5,5 x 5 x 3
- Installation in one week by Entrol staff
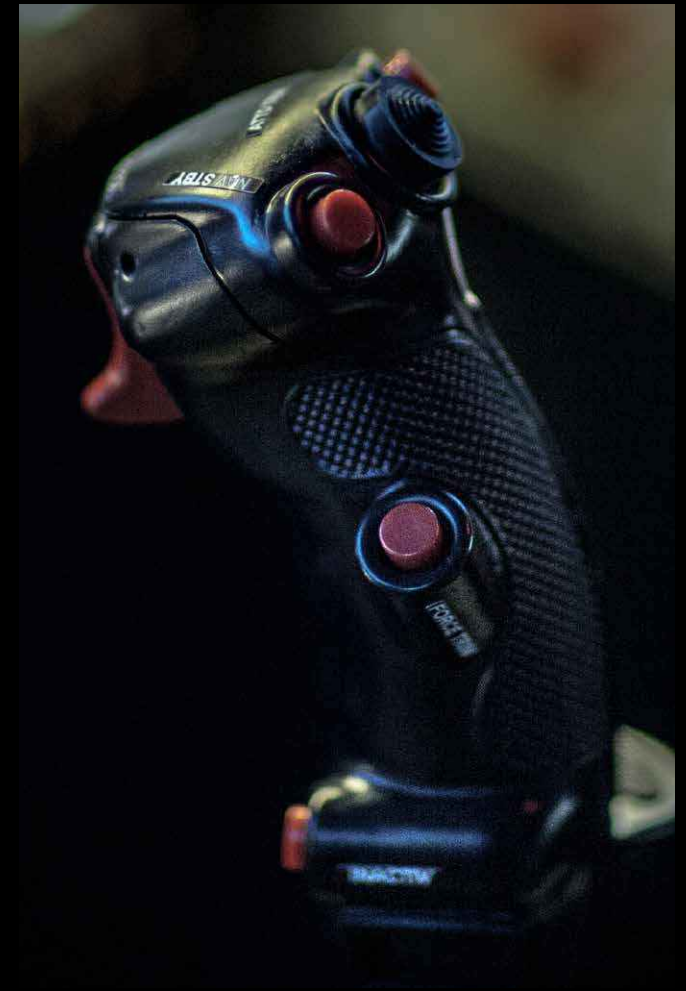- Modular and transportable
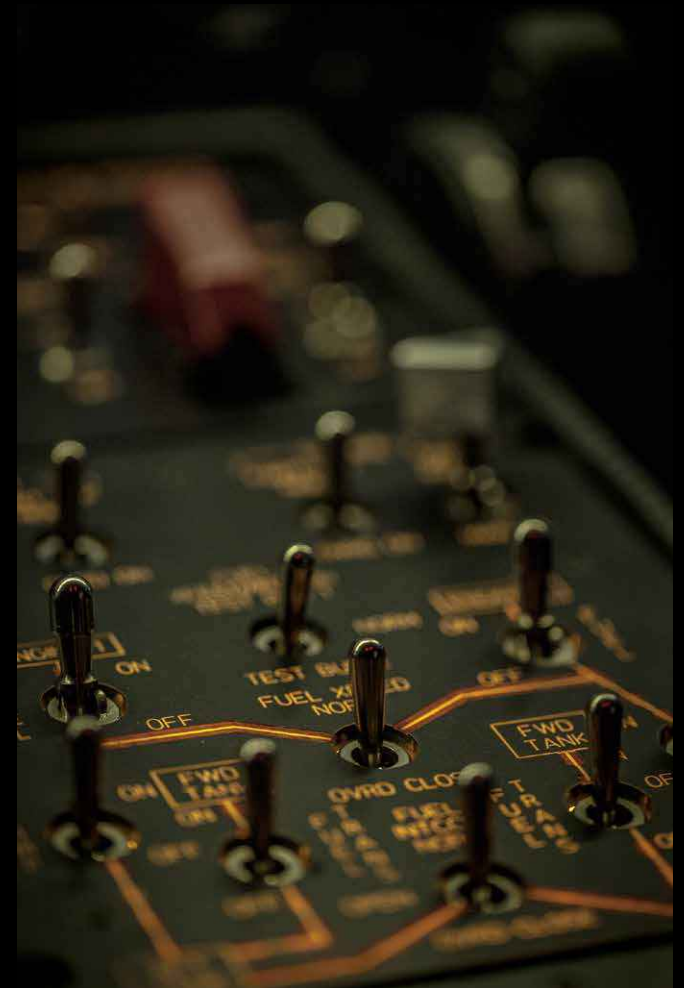
Training Solutions

- Modular & Integrated courses
  (MCC / ATPL / CPL / IR / ME / IRI...)
- Additional Training Programs
  - Normal and emergency procedures training
  - Cockpit familiarization courses
  - Systems training
  - FMS Training
  - Glass Cockpit Training
  - CRM (Crew Resource Management)
- LOFT (Line Oriented Flight Training)
- Offshore Operation Training
- Mission Training
  - Landings in locations like mountains, hospitals or oil rigs
  - Specific operations like SAR, EMS or fire fighting
  - Forward Looking Infrared Camera based on FLIR

Client Benefits

- More business by providing better training programs
- Fast ROI
- Low cost operation
- Cost-effective solution for mission training
- Helicopter largely used by military and civil organizations for mission operation
- Upgradeable solution
- Small footprint and facility requirements
- COTS Elements: Easy and Cost-effective Maintenance
- Simulator covered by a comprehensive after-sales service

entrol Services

- Turnkey Solution
  - Shipping, installation, insurance & testing by entrol staff on customer premises
  - Maintenance technicians and instructors training
  - All documentation provided: Flight Manual, Maintenance Manual...
  - Toolbox with all the tools necessary for maintenance
  - Spare part set for basic elements of the simulator
  - Press release to promote the simulator purchase
- Certification support
  - On-site assistance to the initial certification
  - On-site yearly visit for recurrent certification
  - Automatic QTG's on the IOS can be printed and saved
- Optional maintenance services
  - On-site yearly visit for systems check
  - Remote access to the simulator for maintenance
  - Quarterly database update
  - Telephonic assistance
  - Documentation management service
  - Spare parts service
  - 30% discount during the warranty period
- 24 months warranty
  - 24 months warranty for all the parts and components of the simulator
- Upgradable solution
  - Possibility of adding new improvements after the simulator installation:
    - > Spherical Visual 200°x70°
    - > High resolution databases
    - > Forward Looking Infrared Camera based on FLIR
    - > New airports and countries

* FLIR is a registered trademark of FLIR Systems. There's no business or commercial connection between FLIR Systems and Entrol, S.L.

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**Go to our YouTube channel and discover
all the possibilities that our simulators offer.**

we have felt really comfortable and we have enjoyed the flight

If you want further information about any simulator you can visit our YouTube channel using any device.

On our channel you will find our latest developments that are up and running. You will see take-offs, landings and general tests carried out by pilots with extensive experience in the industry, with interviews about the flight experience in our simulators.

www.entrol.es

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