



# Trade Press Release

## First-ever Dhruv helicopter simulator certified to Level D by DGCA

**Bengaluru, India, May 25, 2011** – The Helicopter Academy to Train by Simulation of Flying (HATSOFF), the joint venture owned equally by Hindustan Aeronautics Limited (HAL) and CAE, today announced that its simulator cockpit for the civil/conventional variant of the Dhruv has been certified to Level D, the highest qualification for flight simulators, by India's Directorate General Civil Aviation (DGCA).

The civil/conventional Dhruv simulator cockpit has been integrated with the CAE-built full-mission simulator currently in operation at HATSOFF. The simulator features CAE's revolutionary roll-on/roll-off cockpit design, which enables cockpits representing various helicopter types to be used in the simulator. This is the world's first-ever full-mission simulator for the HAL-built Dhruv helicopter.

"We are very proud of achieving Level D certification for the world's first simulator representing the indigenously developed HAL Dhruv helicopter," said Wg Cdr (Retd) Chandra Datt Upadhyay Vr.C., Chief Executive Officer of HATSOFF. "We look forward to welcoming the Indian Air Force and other civil operators of the Dhruv in offering simulation-based training that will undoubtedly prove to be a safe and cost-effective method for training Dhruv helicopter aircrews."

The cockpit for the civil/conventional variant of the Dhruv is the second for the HATSOFF training centre. The first cockpit for the simulator represented the Bell 412 helicopter and training for Bell 412 operators began in July 2010. Additional cockpits for the Indian Army/Air Force variant of the HAL-built Dhruv and the Eurocopter Dauphin will be added to the HATSOFF training centre over the next year.

The HATSOFF training centre, located near HAL's headquarters in Bengaluru, also features multimedia classrooms, computer-based training, brief/debrief facilities, a training management information system and crew accommodations. The full-mission simulator features a common motion system, vibration platform, and visual display system, along with the four separate cockpit modules that can be used in the full-mission simulator. When a cockpit is not used in the full-mission simulator, it will be used as a fixed-based flight training device (FTD).

### About CAE

CAE is a world leader in providing simulation and modelling technologies and integrated training solutions for the civil aviation industry and defence forces around the globe. With annual revenues exceeding C\$1.6 billion, CAE employs more than 7,500 people at more than 100 sites and training locations in more than 20 countries. We have the largest installed base of civil and military full-flight simulators and training devices. Through our global network of 32 civil aviation, military and helicopter training centres, we train more than 80,000 crewmembers yearly. We also offer modelling and simulation software to various market segments, and through CAE's professional services division we assist customers with a wide range of simulation-based needs. [www.cae.com](http://www.cae.com)

### About HAL

Hindustan Aeronautics Limited (HAL) is a premier aeronautical complex of SE Asia, with 19 production divisions and ten R&D centres. HAL's expertise encompasses design, production, repair, overhaul and upgrade of Aircraft, Helicopters, Aero-engines, Accessories, Avionics and Systems. HAL today provides one stop solutions for all the design needs of aircraft & helicopters in airframes, airframe systems, avionics, mission & combat systems using advanced design tools. The 19 manufacturing divisions of HAL are equipped with modern infrastructure with modern plant and machinery for production of fighter aircraft, trainer aircraft and helicopters. The current workforce is around 35,000 with over 50% having more than a decade of aircraft industry experience. It has also diversified into manufacture and repair/overhaul of Industrial & Marine Gas Turbine engines, and manufacture of structures for aerospace vehicles. [www.hal-india.com](http://www.hal-india.com)

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High resolution downloadable photos of the simulator are available at [cae.com/photos](http://cae.com/photos).

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