

Helicopter Hoist Operation Simulator

A future-proof concept for
Helicopter Hoist training

Sophisticated Hoist Training

F.A.S.T.-Groups Helicopter Hoist Operation Simulator concept combines highest standards in Hoist Training with latest technologies in order to provide a realistic training environment. We focus on a crew-centric training and the importance of a good CRM. That is why we designed a simulator that combines pilot training in an FNPT II MCC / FTD 2 certified cockpit with advanced Mixed-Reality Hoist Training in one simulator.

To ensure the highest flexibility, we will build our HHO-S as a **mobile training device** that is easy to ship and install.

Our HHO-S will provide a **safe, reliable and environmentally friendly training environment** for Hoist and Crew Training.

✓ Reduced flight time on helicopters for HHO initial and recurrent training

✓ Mobile training device:
Training device travels to the crew

✓ Independent from weather,
time and closed seasons
(hunting)

✓ FNPT II MCC / FTD 2 credits



Helicopter Hoist Operation Simulator

A future-proof concept for
Helicopter Hoist training

Specifications of our HHO-S

For the greatest flexibility in use cases, we intend to provide an on-shore as well as an off-shore version (left-hand and right-hand winch).

The Hoist Operator herself/himself will use Mixed-Reality glasses to see the real helicopter cell and crew as well as the virtual environment outside the cell. F.A.S.T.-Groups integrated rope simulator will have an advanced live cable behaviour, also in terms of look and feel, for more realism. We will provide a training environment where you can train normal operations just as good as emergency procedures.

We are happy to discuss the perfect training solution for you.

✓ Motion-based flight simulator
with FNPT II / FTD 2 certification

✓ Multi-channel visual system
for the flight crew

✓ 6 DOF Motion Vibration System
for realistic flight behaviour
during hoist mission

✓ Day and Night conditions

✓ Air Conditioning



F.A.S.T.-Group

About Us

Who we are and what we stand for

F.A.S.T.-Group stands for innovation and advance in flight simulation. Our team brings a variety of core competencies and enables us to develop training solutions that are tailored to your operational demands.

We focus on the highest standards and quality in all our services. If you are interested in more information, please do not hesitate to contact us.

Your point of contact



Timo Schuster
Project Manager HHO-S

timo.schuster@fast-group.aero
+49 173 3939612

F.A.S.T.-Groups HHO-S

- ✓ **Mixed-Reality technology**
Hoist operator uses Mixed-Reality
- ✓ **Mobile concept**
For more flexibility and decentralized training
- ✓ **CRM training**
Crew centric training acc. to CRM requirements

