

INVITATION TO FLY ROSIE HELIOP

Enhanced Vision for Safe Helicopter Operations

Rotorcraft Simulation Environment – Helicopter Ship Deck Operations

Invitation to fly and evaluate a newly developed Pilot Assistance System for Rotorcraft Pilots

We trust in your capabilities as a Pilot.

We would like to invite you to TUM Garching to fly and evaluate a newly developed Pilot Assistance System in the rotorcraft simulation environment.

The focus of your flights will be on Enhanced Vision by using a Helmet Mounted Display to expand the decreased visibility in Degraded Visual Environments.

Be curious about:

- Fixed base rotorcraft simulator with integrated original helicopter cockpit
- Visual Augmented Pilot Assistance System with Automatic Landing Zone Detection
- Helmet-Mounted Display (HMD) for a state-of-the-art visual augmentation
- Selectable Automated Flight Control System (AFCS) modes
- High resolution weather model for Degraded Visual Environments (DVE)
- Dynamic maritime environment including a 3D wave model
- Realistic helicopter ship interface offering an original ship model and movement data

Safe offshore operations using a Pilot Assistance System



Pilot Assistance System (PAS) within ROSIE – HMD Visual Augmentation (lower left image) and AFCS modes for safe ship recovery operations (upper left and right image) designed together with professional pilots from the industry, public authorities, and the armed forces.

