Identification of the installation/facility :

Country: Germany
Location (city): Braunschweig
Name of the facility: Flying Helicopter Simulator
Date of construction or of acquisition or of main refurbishment: 2000
Owner: German Aerospace Center
Contact point: Guido.pluetzer@dlr.de
Internet site: http://www.dlr.de/fb/

Technical characteristics:

1 - Type of infrastructure

Wind tunnel	☐
Propulsion bench	☐
Structures facility	☐
Material facility	☐
Simulator (ex. Flight simulator, tower, …)	☐
Flight test bed (aircraft, embedded facilities, …)	☒
Supercomputers	☐
Other	☐

2 - Main technical characteristics

Flying Testbed for Helicopter Hardware and Software Modifications. Fly-by-light flight controls free configurable (experimental flight controls). Testplatform for research with HUDs, HMD's, side-sticks and avionic-systems.

3 - Research domains which can be addressed (refer to ACARE taxonomy)
Aircraft Avionics, Systems and Equipment
Flight Mechanics and Performance
Human Factors
Innovative Concepts and Scenarios
Flight Physics

4 - Main (or specific) associated measurement techniques
- State of the Art Flight Test Instrumentation Techniques

5 - Operational status
- Fully operational

6 - picture

Financial elements:

Replacement cost (M€uros)	
Less than 10	☐
10 to 30	☐
30 to 60	☐
60 to 100	☒
More than 100	☐

Practices concerning:

Access policy (contract, voucher, free access for research, etc…)
Access via contract.
Steering committee established

Support (regional, national, European, private, …): international

Comments:
Worldwide outstanding facility. No other civil helicopter with the capabilities available.

Origin of information ('signature'): author and date