



Identification of the installation/facility:

Country: Germany Location (city): Bremen

Name of the facility: Low Speed Wind Tunnel Bremen

Date of construction or of acquisition or of main refurbishment:

1970, continuously refurbished

Owner: AIRBUS Operations GmbH

Contact point: Klaus Muthreich

Internet site: na

Technical characteristics:

1 - Type of infrastructure	
Wind tunnel	\times
Propulsion bench	
Structures facility	
Material facility	
Simulator (ex. Flight simulator, tower,)	
Flight test bed (aircraft, embedded facilities,)	
Supercomputers	
Other	

2 - Main technical characteristics

For wind tunnels: max velocity (or Mach number) 85m/s, test section area2,1x2,1m², max Rey/m, special features Eiffel type,closed test section, ambient pressure & temperature; continuous power; (power if continuous, pressure and temperature if blow down, ...)

For aeroby propulsion bench: air mass flow, temperature, pressure, type of fuel,... For solid combustion bench: max force,...

- 3 Research domains which can be addressed (refer to ACARE taxonomy http://www.acare4europe.com/docs/ASD-Annex-final-211004-out-asd.pdf)
- 4 Main (or specific) associated measurement techniques engine simulation (Turbine Propulsion Simulators) capability and other air motors with & without exhaust air return duct; force -& surface pressure measurements, internal-& external 6-component balances, model deformation measurements during testing, wake flow investigations via more hole probes/rakes, unsteady measurements, and laser based techniques like LDA & PIV
 - 5 Operational status
 - Fully operational (hours available in 2010) fully operating over the year
 - Sleeping but possible to reactivate within 6 months (or a reasonable time frame)
 - Not used since 5 years or more





6 - picture



Financial elements:

Replacement cost (M€uros)	
Less than 10	
10 to 30	\boxtimes
30 to 60	
60 to 100	
More than 100	

Practices concerning:

Access policy (contract, voucher, free access for research, etc...) to be contacted

Support (regional, national, European, private, ...) Company owned facility, open for external customers

Comments:

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

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