



Identification of the installation/facility: Manufacturing Facility for Composite Material and Constructions

Country: The Netherlands
Location (city): Flevopolder
Name of the facility: Manufacturing Facility for Composite Material and Constructions
Date of construction or of acquisition: start of realization: 1991
Owner: NLR
Contact point: Bert Thuis - Dept. Structures Technology
Internet site: [Facilities for composites research](#)

Technical characteristics:

1 - Type of infrastructure

Wind tunnel	<input type="checkbox"/>
Propulsion bench	<input type="checkbox"/>
Structures facility	<input checked="" type="checkbox"/>
Material facility	<input checked="" type="checkbox"/>
Simulator (ex. Flight simulator, tower, ...)	<input type="checkbox"/>
Flight test bed (aircraft, embedded facilities, ...)	<input type="checkbox"/>
Supercomputers	<input type="checkbox"/>
Other	<input type="checkbox"/>

2 - Main technical characteristics

See internet site.

3 - Research domains which can be addressed (refer to ACARE taxonomy

<http://www.acare4europe.com/docs/ASD-Annex-final-211004-out-asd.pdf>)

Aerostructures: Composite Materials & basic processes; Manufacturing and Assembling Technologies.

4 - Main (or specific) associated measurement techniques

5 - Operational status

- Fully operational



6 - Picture:



Advanced Fibre Placement machine with jig for the manufacturing of a composite wing panel

Financial elements:

Replacement cost (M€uros)

- | | |
|---------------|-------------------------------------|
| Less than 10 | <input type="checkbox"/> |
| 10 to 30 | <input checked="" type="checkbox"/> |
| 30 to 60 | <input type="checkbox"/> |
| 60 to 100 | <input type="checkbox"/> |
| More than 100 | <input type="checkbox"/> |

Practices concerning:

Access policy: the facility is available for customers on a contract basis.
Fixed utilisation rate reimbursing the cost for support and maintenance.

Support: NLR receives no support to operate the facility.

Origin of information ('signature'): author and date
Bert Thuis - Dept. Manager Structures Technology

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