Efficient System for Flow Control Actuation

Fact Sheet

Project Information

FLOCOSYS

Grant agreement ID: 270531

Project closed

Start date
1 February 2011

End date
31 December 2012

Funded under
Specific Programme "Cooperation": Joint Technology Initiatives

Total cost
€ 60 600,00

EU contribution
€ 45 450,00

Coordinated by
TECHNISCHE UNIVERSITAT BERLIN
Germany

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Objective

Flap systems are highly efficient lift providing elements in low speed flight. A potential measure to shift the stall onset to higher limits can be found in an Active Flow Control (AFC) approach by pulsed blowing. The majority of corresponding research aims at understanding the aerodynamic phenomenon allowing broad bandwidth investigations to find optimum configurations. In this proposal the systems aspects are addressed with respect to the active flow control actuator system. The overall system integration will be performed by the SFWA partner EADS-IW with support provided by TUB through this project.

Fields of science (EuroSciVoc)

natural sciences > physical sciences > classical mechanics > fluid mechanics > **fluid dynamics**

Programme(s)

FP7-JTI - Specific Programme "Cooperation": Joint Technology Initiatives

Topic(s)

JTI-CS-2010-1-SFWA-01-019 - Flown Control Actuator System development, manufacture and demonstration for high lift

Call for proposal

SP1-JTI-CS-2010-01
See other projects for this call

Funding Scheme

JTI-CS - Joint Technology Initiatives - Clean Sky

Coordinator

TECHNISCHE UNIVERSITAT BERLIN

EU contribution

€ 45 450,00

Total cost

No data

Address

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10623 Berlin
Germany

Region

Berlin > Berlin > Berlin

Activity type

Higher or Secondary Education Establishments

Links

Contact the organisation Website
Participation in EU R&I programmes
HORIZON collaboration network

Last update: 26 May 2022

Permalink: https://cordis.europa.eu/project/id/270531