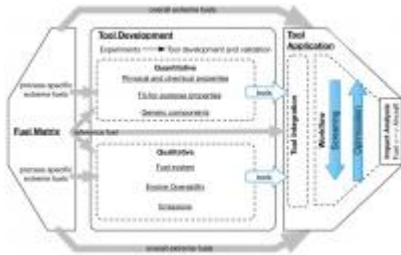


JETSCREEN

JET Fuel SCREENing and Optimization

723525



Programme:

H2020 Transport

Topic:

MG-1.1-2016

Call for proposals:

H2020-MG-2016-Two-Stages

Duration:

01/06/2017 to 31/05/2020

Funding scheme:

RIA

Total cost:

€7,469,355

EU contribution:

€7,469,355

Coordinator:

DEUTSCHES ZENTRUM FUER LUFT - UND
RAUMFAHRT EV

Project website:

<https://www.jetscreen-h2020.eu/>

Project description on CORDIS:

http://cordis.europa.eu/project/rcn/210793_en.html

The JETSCREEN project develops an optimization platform enabling the integration of distributed design tools and experimental based validations to assess the risks and benefits of alternative fuels. The proposed platform will contribute to optimize alternative fuels in terms of achieving the maximal energy density and lowest pollutant emissions. The project aims to provide fuel producers, aircraft manufacturers, and engine and fuel system OEMs with knowledge-based tools that will:

- analyse and streamline the approval process for alternative aviation fuel
- assess the compatibility of fuel composition and properties with respect to the fuel system and the combustion system
- quantify the added value of alternative fuels
- optimize fuel formulation in order to attain the full environmental potential of synthetic and conventional fuels

The proposed research methodology will particularly focus on the so-called extreme fuels, with targeted experiments and modelling investigations, especially during the development phase of the platform. The project will finally carry out quantitative and qualitative assessments of the impact of fuel on physical sub-processes, on the fuel system or the engine.

Participants:	Country:	EU contribution (in €):
DLR	DE	€1,139,262.50
ARTTIC	FR	€317,480.00
AIRBUS UK	UK	€706,504.00
CERFACS	FR	€549,350.00
IFPEN	FR	€661,152.50
MMU	UK	€205,348.75
MTU	DE	€250,000.00
ONERA	FR	€949,931.25
POLIMI	IT	€199,875.00
SAFRAN	FR	€529,232.50
SAFRAN AE	FR	€100,000.00
USFD	UK	€699,472.50
ZODIAC	FR	€850,000.00
ROLLS-ROYCE PLC	UK	€110,750.00
AIRBUS FR	FR	€200,996.00