

# PROJECT PARTICIPANTS:



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Project funded by the European Commission in Horizon 2020 programme of the EU

This project:

## ARGOS

Aerospace propeller useful for diesel engines  
with extreme excitation of vibrations

**is funded by European Union**



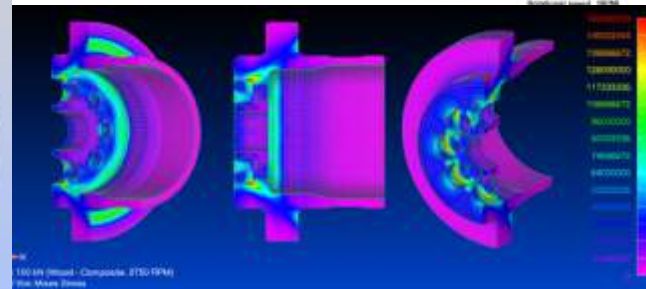
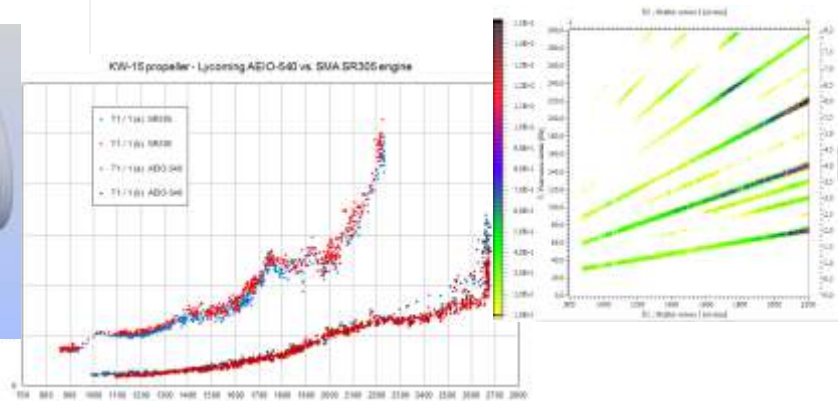
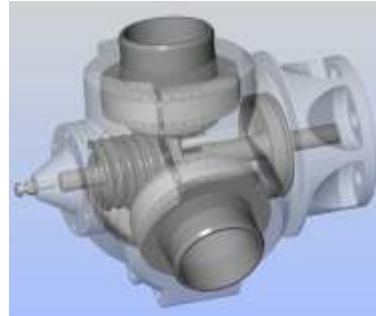
European  
Commission



# ARGOS

## Main Goals & Criteria:

Horizon 2020 / Clean Sky JU  
Call: H2020-CS2-CFP02-2015-01  
Topic: JTI-CS2-2015-CFP02-ENG-04-05



- Capable to sustain an increase in baseline engine power by +20% up to about 280 hp with low propeller maintenance (propeller TBO & intervals between inspections consistent with the engine ones and GA market)
- Diameter < 2m, max efficiency over 85% at 2200 rpm
- Clockwise
- Technology capable to be certified

**ARGOS** project - Coordinator of this project is the Czech company Woodcomp Propellers. Aerospace propeller useful for diesel engines with extreme excitation of vibrations. The Czech company Jihostroj is another participant of the project. The topic of the project focuses on the development of a special hydraulically adjustable composite propeller and propeller governor. Propeller demonstrator will be tested on a diesel engine of the French company SMA belonging to the SAFRAN consortium. Another participant is the Czech company VZLU. VZLU will be responsible for the design of measuring chains, preparation of measurements relating to vibration and torsional vibrations generated by the propeller, data evaluation and design solutions for torsional vibration damper.