

Clean Sky 2: **ARGOS**

Call Topic: JTI-CS2-2015-CFP01-ENG-04-05

Aerospace propeller useful for diesel engines with extreme excitation of vibrations

OP PIK - APLIKACE: **Residual strength**

ESIF Call Identifier: Operational Programme Enterprise and Innovations for Competitiveness (OP EIC)

Weight-saving design of aerospace composite propellers useful for piston engines

Experience & Synergy

COORDINATOR: WOODCOMP PROPELLERS S.R.O.

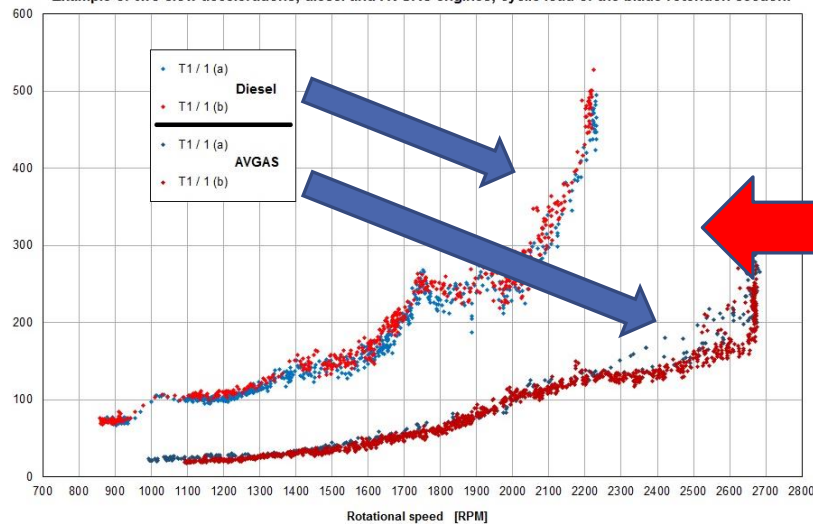
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The two projects and their synergy...



Example of two slow accelerations, diesel and AVGAS engines, cyclic load of the blade retention section.



CS2 - ARGOS



ESIF - Residual Strength



Clean Sky 2 synergy label

- Brief description of “ESIF work package”
- Activities, equipment, methods, budget
- Submitted after the main CS2 project (ARGOS)
- Received recommendation for the national authority
- Corresponds approx. to 60% of work on a project proposal



Work associated with project preparation

- Clean Sky 2 / OP PIK – APLIKACE / “ESIF work package” = 100% / 100% / 60%
- Spent time strongly depends on the experience of the company project manager
- SME: Too many general references, sometimes less is more
- SME usually does not have a project office with 20 people
- Cooperation with an external project manager can be too costly

Some notes...

- OP PIK – excluded regions (Prague); such limitations may influence the project quality in a country like Czech Republic; CVUT, VZLU and other similar institutions do not have equivalent substitutions from other regions.
- The will to “distribute” R&D activities to other regions leads to destruction of work teams with a long tradition. The capable team is not defined by new equipment and facilities, it is defined by shared experience and intergeneration cooperation.
- CS2 projects: It is necessary to keep in mind that SMEs are not EADS, Eurocopter, ... Seminars organized in different countries, plenty of documents, slang and “project speech”, etc. discourage SMEs from participation on EU projects.

Thank you for your attention

