PROOSIS
Propulsion Object Oriented Simulation Software

EMPRESARIOS AGRUPADOS

Curso: Introducción a la simulación de turbinas de gas con PROOSIS

Fecha: Lunes 11, Miércoles 13 y Viernes 15 de Marzo. 9.00-14.00h

Inscripción: frlucas@empre.es. Asunto: Curso PROOSIS + nombre/apellidos alumno. Prioridad por orden de inscripción. Fecha límite: Viernes 8 12.00.

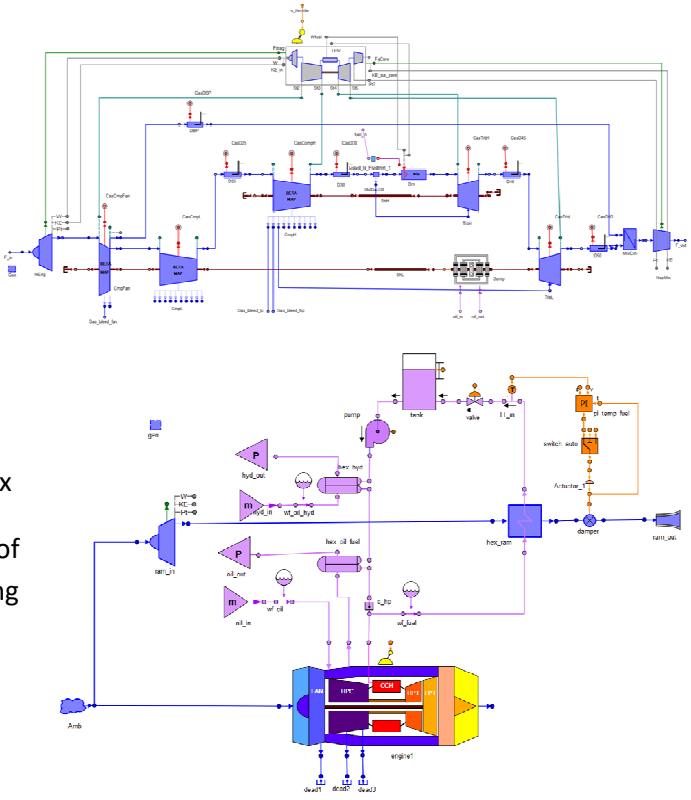
Lugar: Aula de Informática 3, Edificio E (E-SS04)

Plazas disponibles: 15

PROOSIS is a leading tool for modeling gas turbines as well as for performing integrated simulations of aeronautics systems (ECS, Fuel, Electrical, etc.) with the engine. It was developed by Empresarios Agrupados, in collaboration with important engine manufacturers and prestigious universities. More and more users find it is the solution to their design problems, performance analysis, transient studies, optimization, etc. in an environment offering multiple functionalities.

The course, taught by aeronautics propulsion modeling engineers from Empresarios Agrupados, is focused on the modeling and simulation of aeronautical propulsion systems and on acquainting users with the wide range of calculations that can be done with PROOSIS. Moreover, it also includes basic notions of creating and modifying basic components (eg compressors and turbines) as an introduction to modeling in PROOSIS. The topics covered therefore include:

- Basic notions of PROOSIS
- Creation of typical configurations (eg. Turbojet, Turbofan, etc.)
- Creation of typical performance calculations: on-design, off-design, transient, optimization, etc.
- Advanced modeling of other systems
- Exporting models as a black-box



This course is conceived for new users of PROOSIS who are interested in modeling and simulation of gas turbine systems. No previous knowledge of modeling is needed. It is recommendable basic knowledge on engine performance.