

Advanced Numerical Integration Engineer

Location: Beijing

Sector: Aviation

Starting date: ASAP

ABOUT THE COMPANY

Our client is a full round of cooperation from technical research to product development and production on civil turboprop engine power turbine and flame tube, providing modules for mother companies Grand Groups manufacturing aircraft engines.

MISSIONS

The job context is related to the turbo propeller engine design activities with 2 modules concerned: the flame tube and the power turbine.

The following missions for the job will be:

- To support the Chief Technical Officer and the Deputy Chief Technical Officer to manage transversally the numerical methods and be creative to find new propositions and technical solutions
- With specifications and interfaces given by mother companies, the objective is to lead and improve numerical computations and parts design with the support of the technical leader and his team to achieve the final objective given by Mother Companies
- To follow-up the manufacturing processes and enhance corresponding numerical methods (classic or additive manufacturing means), if any
- To follow-up and support the test campaign and enhance corresponding numerical correlations to achieve this objective, if any
- To be responsible for the whole numerical integration of components inside the module
- To ensure, via configuration tools, the consistency of each component specification within the whole module,
- To establish and to update the numerical continuity roadmap of the Company,
- To perform and improve the numerical activities defined in the roadmap,
- To represent the Company in external events, such as, but not limited to, scientific conferences, if any
- To work in a team with high communication with colleagues,
- To work in a multi-cultural company,
- To know and respect the security and human behavior rules of the company.

REQUIREMENTS

- Good knowledge of a Turbo propeller and/or Turbo shaft architecture,
- Technical background in materials field and manufacturing processes simulation,
- Thermal and/or aero dynamical knowledge would be appreciated,
- Knowledge of Siemens numerical tools (NX CAD, NX CAE, NX Thermal),
- Knowledge of numerical methods,

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- Knowledge of programming languages, such as Python, ...
- Management skills required to follow and lead technical teams on both technical perimeters (Flame tube and Turbine) with low support of mother companies,
- Good communication with others required in a multi-cultural team.

APPLICATION

Please send your resume to: bj-hr@ccifc.org

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