# Appendix J

## ESATAN Thermal Modelling Suite A New User Interface for CAD Geometry

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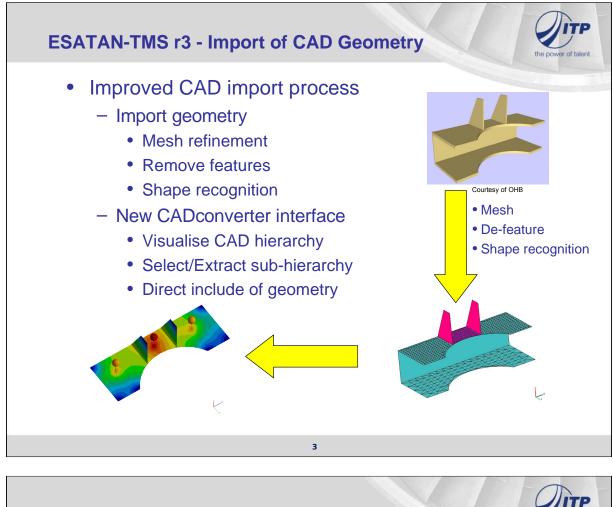
#### Abstract

When generating thermal analysis models from CAD geometry it is common practice to simplify the geometry, removing unnecessary detail, such as holes and fillets and extracting mid-plane surfaces. ESATAN Thermal Modelling Suite now includes a dedicated component which provides the thermal engineer with an environment to view and modify the CAD geometry and generate the analysis model. A combined presentation and demonstration of the CAD interface shall be given.



- Our vision remains unchanged,
  - Provide a complete and efficient thermal modelling environment
    - Functionality to meet your current & future modelling requirements
    - Provide a high-quality and fully validated product
  - Efficient end-to-end integration within a multi-disciplinary engineering environment

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## CADConverter – User Feedback

- Easy to use
- Simplify the CAD geometry (de-featuring options)
- Reduce the model time creation

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- File format limited support
- "Blind" process
- Dependent on CAD geometry quality

Need to **visualise** and **edit** the CAD geometry

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