



Innovate . Develop . Advance

FEMAP Thermal & Flow Training

Course Overview

This course provides students with comprehensive instruction in how to model heat transfer and fluid flow problems using I-deas NX FEMAP Thermal/Flow. Participants will learn the skills necessary to carry out sophisticated thermal and CFD analysis quickly and easily, including geometry construction and manipulation, meshing, fluid flow and heat transfer modelling, boundary condition application, solution setup, post-processing and model validation. The course deals with both theoretical and practical aspects of how the software handles fluid flow and heat transfer, and includes a variety of examples and tutorials addressing a wide range of applications.

Who Should Attend?

Designers and engineers who need to model and simulate heat transfer or fluid flow in components or complex systems using FEMAP Thermal and Flow.

Course Agenda: 3 Days

- Meshing for TMG and groups
- TMG selection
- Basic BCs
- FE studies and manager
- Conduction
- Thermal couplings
- Flow modelling
- Convection
- Radiation
- Solver control
- Steady-state/transient analysis
- Temperature mapping

"From one-to-one training, group training events, workshops and online/telephone support. Each time has enabled me to use NX more efficiently and more effectively"

Sheffield Precision Medical



Recommended Courses

- FEMAP Essentials
- NX Advanced
- NX Nastran Dynamic Analysis
- FEMAP Customization





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A comprehensive overview of NX Design Essentials is done with our technicians

Welcome to TEAM

The TEAM Difference? ...is the people we employ within the Company. Our engineering team come with many years of invaluable industry experience. Coupled with this is our long track record with both the software and our commitment to supporting our many customers who design using Siemens PLM technology.

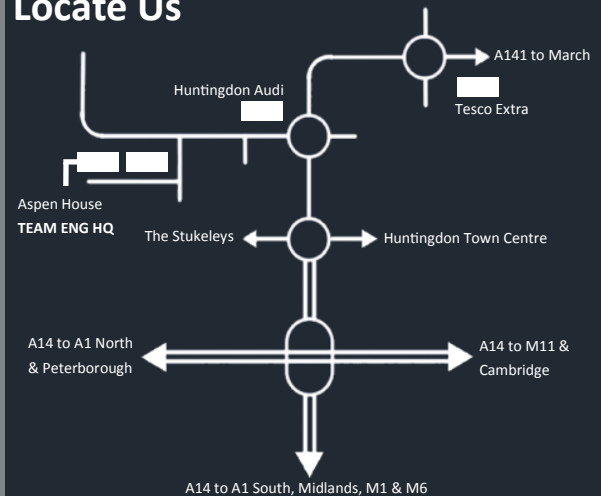
We like to think we have all the answers, but in fact, we listen first; then we work together - as a TEAM.

TEAM Engineering

Directions to our Technical Centre

- **BY CAR**—Head toward Huntingdon on **A14 / A141**. Enter **Washingley Road** and take the **second left** into **Vantage park**. Take **First right** into the **Aspen house** car park. We are in unit **10D**. Welcome to TEAM Engineering.
- **BY AIR**—From Stansted head North on M11, merge onto A120 then back to M11 to Cambridge. Take A14 then A1198 to Royston. Then follow signs for Huntingdon (55 mins)
- **BY RAIL**— Head to 'HUN' station on Brampton Road. Follow B1044 via Stukeley Road then follow CAR directions (6 mins)

Locate Us



Contact Us

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Every month you could **WIN** a space controller. Join our network to find out how.

