



Innovate . Develop . Advance

NX Nastran Dynamic Analysis

Course Overview

This course is a comprehensive presentation of the dynamic capabilities available in NX Nastran. It covers both fundamental and advanced topics with an emphasis on practical applications and example problems. The class is focused on the application of NX Nastran to solve real world dynamics problems. The fundamentals of structural dynamics and the application of numerical methods to solve dynamics problems are covered. The theory is then applied to the solution of real world dynamics problems using the dynamic analysis capabilities of NX Nastran. Delivery is performed in the context of NX Nastran ASCII input and output files and not in the context of commercially available pre- and postprocessors.

Who Should Attend?

This course is intended for persons who will be using NX Nastran to perform dynamic analyses to predict structural behaviour under steady state and transient conditions.

Course Agenda: 2 Days

- Normal mode analysis
- Complex modes analysis
- Rigid body dynamics
- System damping
- Enforced motion
- Transfer functions
- Response analysis
- Test-analysis correlation
- Dynamic design optimization



Recommended Courses

- FEMAP Essentials
- FEMAP Advanced
- FEMAP Customization

"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





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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.

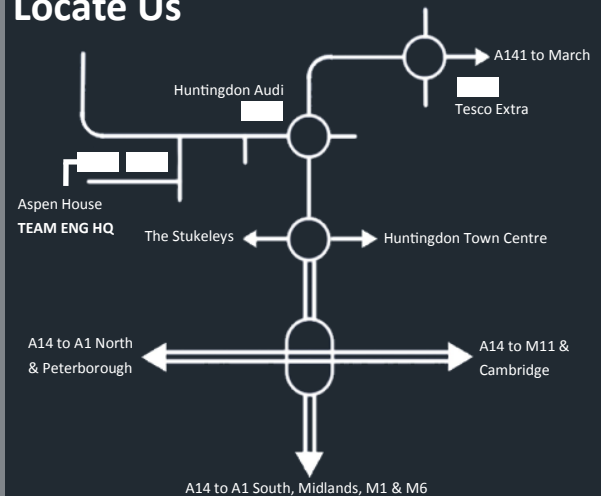
We like to think we have all the answers, but in fact, we listen first; then we work together - as a TEAM.

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.

