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## NX Sheet Metal Design

### Course Overview

NX software, the digital product development solution from Siemens, includes a set of state-of-the-art tools for designing sheet metal components. Using familiar terminology and workflows, NX Sheet Metal Design provides the design professional with a complete set of tools to efficiently create and manage sheet metal parts based on the knowledge of material properties and manufacturing processes. NX Sheet Metal Design tools incorporate material and bending information, enabling the model to represent both the formed component and flattened blank shapes.

The sheet metal design tools within NX allow companies to apply defaults – based on both industry and company best practices – to the values used in the creation of sheet metal parts.

Folded and unfolded views of sheet metal components can be used in both the 3D environment as well as downstream in 2D documentation and for manufacturing. Overall a comprehensive overview of Sheet Metal Design is covered.

### Who Should Attend?

This course is suited for engineers, designers, and CAD/CAM managers who will use the **NX Sheet Metal** application.

### Course Agenda: 1 Day

- Creating a basic sheet metal part
- Flanges
- Creating sheet metal parts from solids
- Flat patterns
- Bending sheet metals
- Bend Radii
- Sheet metal corners
- Non-uniform bends
- Jogs, cut-outs, dimples, gussets and punches
- Louvers and beads
- Straight brake
- **Advanced Features (dependent on having an advanced sheet metal license)**
- **Advanced flanges**
- **Aerospace sheet metal**



### Recommended Courses

- NX Basics
- NX Design Essentials
- NX Surfacing
- NX Drafting Essentials

*“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 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.

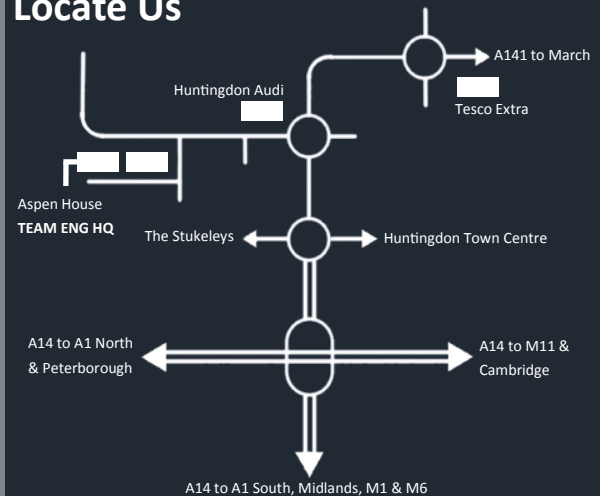
We like to think we have all the answers, but in fact, we listen first; then we work together - as a TEAM.

**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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