

Designs on Manufacture

4th June 2009

Improving Knowledge of New Design and Manufacturing Techniques through partnership with the United Kingdom's premier Computer-Aided Design (CAD) and Computer Aided Manufacture (CAM) software resellers, Solid Solutions Management and SolidCAM, the AEMFC Sector Group recently hosted an informative one-day session on the raising awareness of new techniques for a range of local businesses.

CAD is the use of computer technology to aid in the design and particularly the drafting (technical drawing and engineering drawing) of a new product or component part. CAM is a type of computer application that helps automate a factory with the machining of products.



Held within the University of Huddersfield's School of Computing and Engineering Design Suite, the attending delegates were presented with an introduction to the activities of the WYLLN, by Sector Officer Paul Denton, prior to receiving a hands-on awareness session on both SolidWorks and SolidCAM, led by a team of experienced trainers.

The seminar held on the 4th of June, provided a great experience for local engineering and manufacturing companies to get to grips with new design concepts and state-of-the-art manufacturing software.

The SolidWorks range of products was the main focus of the day and intensive tuition was provided on the 3D product design and modelling suite, with two further SolidWorks packages comprising over 10 modules available. SolidCAM is a powerful CAM product that has been especially designed for the shop floor. SolidCAM supports the complete range of major manufacturing applications including 2.5D Milling, 3D Milling, High-Speed Machining, Multi-sided Indexial 4/5 axes Milling, Simultaneous 5 axes Milling, Turning, Turn-Mill upto 5-axes and WireEDM.

"In our advanced engineering and manufacturing Sector, it is imperative that our partners are kept abreast of the latest technological tools and techniques", commented WYLLN Sector Officer, Dr Paul Denton.

"Such tools can enable enterprises to develop new product ideas, through concept design to manufacturing simulation, without the need for expensive rapid prototyping and tooling. This is of immense practical and cost saving benefit in today's challenging times", he added.

