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20th November 2012

Edinburgh, Scotland, UK

Press Release: FEMPLY Pro Product Launch

PlySim Ltd, a leading Composite Engineering Consultancy, announced today the release of FEMPLY Pro, a composite ply-based modelling software plug-in for Siemens' FEMAP Pre and Post Processor.

Fully integrated into FEMAP, and making use of FEMAP's Global Ply capabilities, FEMPLY enables tabular definition of whole component laminate schedules more closely following manufacturing processes within a simple, intuitive user interface. Multiple plies may be edited in one operation and may be re-mapped onto a new mesh or after mesh refinement. Together with the advanced pre and post processing features of FEMAP, the announcement reinforces FEMAP as a leading composite modelling solution.

The release of FEMPLY Pro augments the FEMPLY product range adding:

- Ply draping to accurately account for fibre angle deviation during the manufacture process and verify planned production processes reducing the need for modifications or redesign late in the manufacturing process.
- Flat pattern export enabling the user to directly extract 2d CAD ply shapes for use in ply booklets or cutting patterns, enhancing the accuracy and reproducibility of the component.
- Post-processing to Hill, Hoffman, Tsai-Wu, Max Stress, Max Strain, Puck and LaRC02 failure theorems with output vectors by Layer, Global Ply and Maximum. FEMPLY Pro also offers Critical Ply and Fibre Angle output vectors to quickly and easily identify critical areas.

PlySim Director Malcolm Wadia states: "The launch of FEMPLY Pro is a significant step in bringing advanced composite modelling functionality to the mass market, offering FEMAP users the tools needed to design, analyse and manufacture complex composite components more quickly, accurately and economically than ever before."

Mark Sherman, Manager of FEMAP Product Development says "We're very pleased to see the release of FEMPLY Pro and the extension of composite modelling features that it brings. We know that FEMAP users will be extremely excited to see advanced composite modelling capabilities such as draping available right inside the FEMAP application."

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