ANSA and META for laminated composites

Training	ANSA and META for laminated composites
Duration	8 hours
Level	Intermediate
Who should attend	CAE analysts who study composite materials.
Training description and objectives	This course teaches participants ANSA and META tools for composite analysis. Upon course completion, participants will be able to build a model for solution, modify it by adding layers or altering the layer orientation and post process results using the composite toolbar.
Prerequisites	Participants should have an engineering background. Basic knowledge of ANSA is necessary.
Suggestions	This course can be combined with any of the trainings or can be the topic of a webinar.
Language	English **ask for more languages*

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Suggested topics
ANSA session – Introduction to laminate tool – Assigning laminate properties – Material orientation – Layers definition – Elements offset – Draping – Drawing representations – Reporting – Model setup: material definitions – Results mapper – Solution header (NASTRAN, ABAQUS, output requests) – Model modifications: adding layers – Model modifications: change layer orientation META session – Introduction – Reading geometry – Calculation methods – Result options – Materials setup – Laminates list – Layer ids – Read results – Fringebar set – Result labels – Envelope contour plot – Query – 2D plots – Material and result evaluation

Course content is subject to change without notice.
Course content may be adjusted to audience requirements or background.