

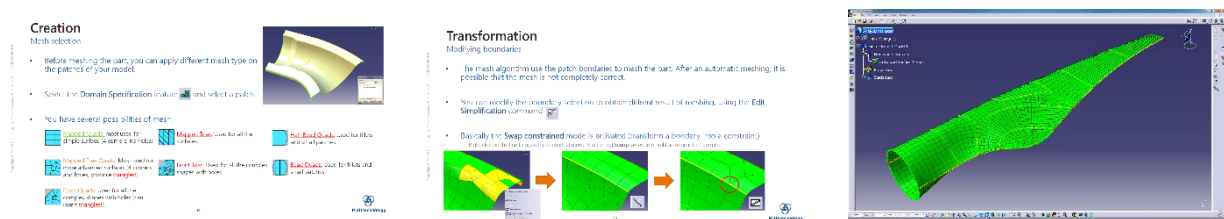
CATIA Advanced Meshing Tools (2 days): introduction to Advanced Surface Mesher (Based on SIMULIA algorithm)

Introduction:

This course is the rest of the Hull reconstruction methodology. It's perfect for advanced CAD and CAE-Engineers who are looking to mesh complex surfaces. You'll get an introduction of partitioning a surface in GSD and meshing it in Advanced Meshing Tools workbench.

After 2 days, you will know best-practices for how to prepare a surface (partitioning and simplification) before meshing it.

We will also work together to help you answering your questions about your own projects.



Day 1

Morning (9:00-12:00): CATIA Advanced Meshing Tools – Preface (hull reconstruction methodology); CATIA Advanced Meshing Tools – Preface (meshing methodology); CATIA Advanced Meshing Tools – Example (How to proceed on a rough data).

Afternoon (13:00-17:00): CATIA Advanced Meshing Tools – Introduction to CATIA Analysis (presentation environment FMS and GPS and recommended settings); CATIA Advanced Meshing Tools – Features overview (description of the workflow using the most important features for surface meshing);

Day 2

Morning (9:00-12:00): CATIA Advanced Meshing Tools – Exercise on model (create partition on surface, remove fillets and simplify the geometry).

Afternoon (13:00-17:00): CATIA Advanced Meshing Tools – Exercise on meshing (mesh several surfaces, look at the various methodologies).