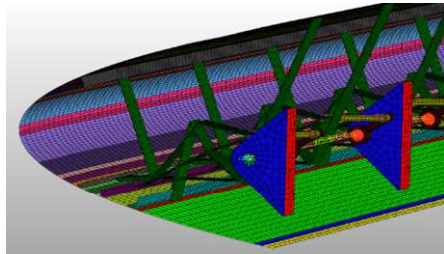
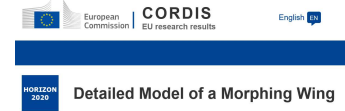


Advanced modelling of complex mechanical systems

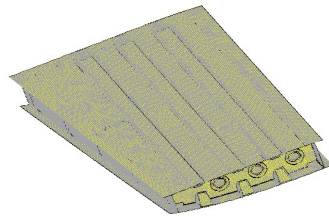
↪ High fidelity integrated non-linear **FEM-MBS** modelling of a **morphing wing**

↪ Cleansky 2 project

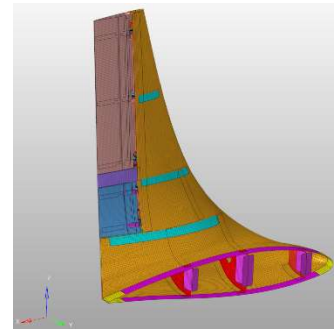
- DEMMOW: <https://cordis.europa.eu/project/id/755621>
- Topic manager: Leonardo Company (Italy)



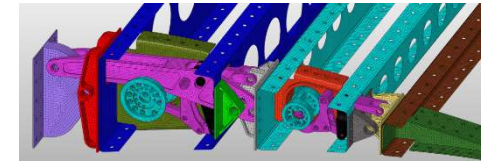
Droop nose



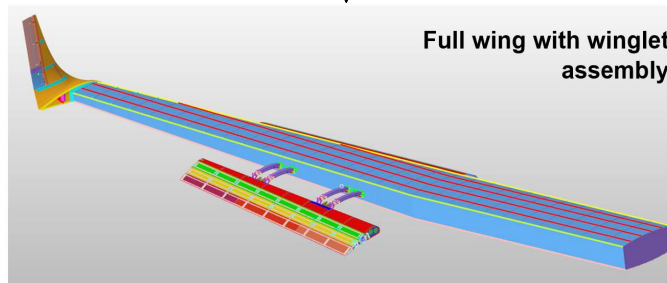
Composite box



Morphing wingtip
and winglet



Adaptive
trailing edge



Full wing with winglet
assembly

FEM = Finite Element Method
MBS = Multi-Body Simulation