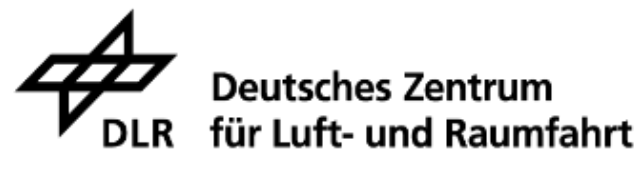


AGILE 4.0



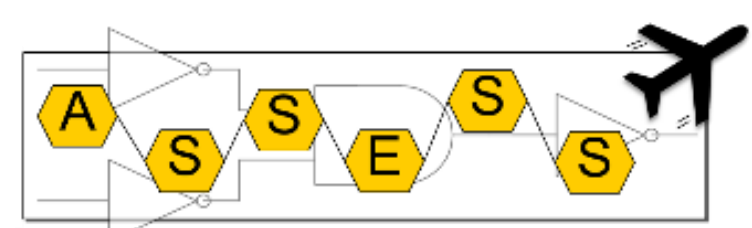
Technology



Engineering Tools

AGILE4.0 developed **34 engineering tools**, covering **14 disciplinary areas**, to support **7 distinct application cases**, enabling trade-off and MDO studies never realized before, including manufacturing, certification and maintenance aspects

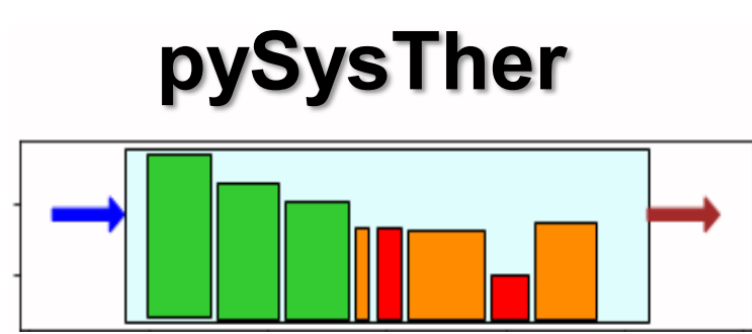
Certification



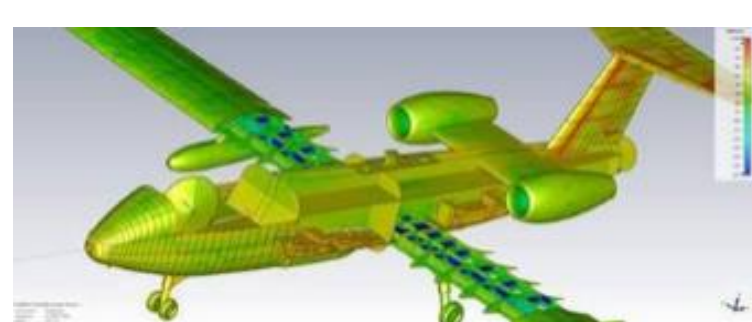
ASSESS
Concordia
University



Certification
module
ONERA

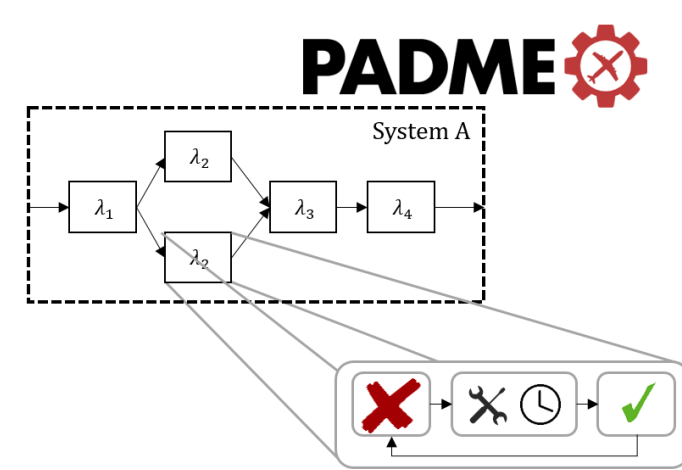


Thermal Risk
Assessment
Concordia
University



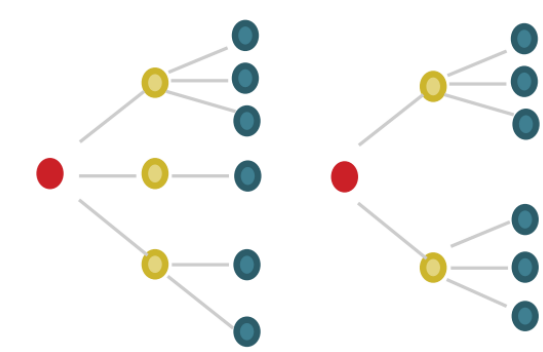
LIE-OBS
LEONARDO

Maintenance



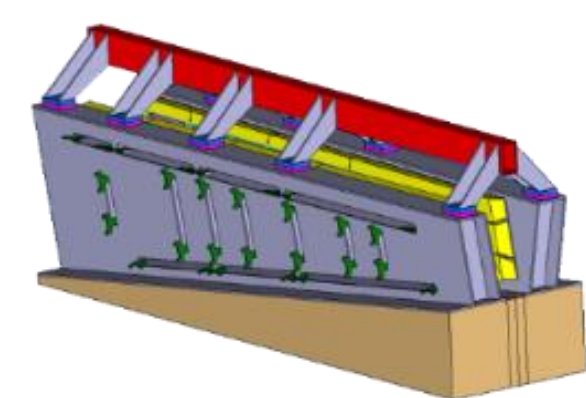
PADME
RWTH Aachen
University

Supply Chain

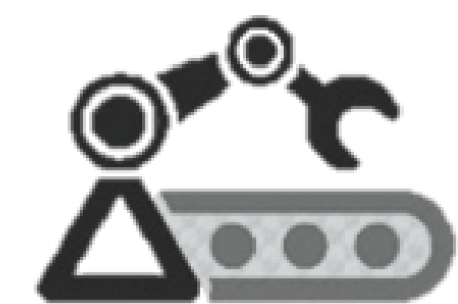


Supply Chain
Model
DLR

Manufacturing

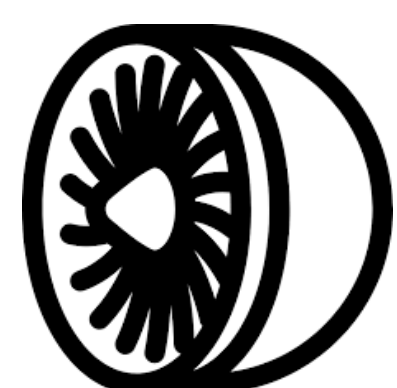


Weld tool model
GKN Fokker



HTP Manufacturing
Concept
DLR

Propulsion

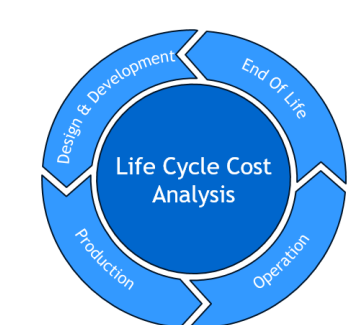


RubberEngine
UNINA

Costs



AEADOC
LEONARDO



Cost & Emission
RWTH Aachen
University



CATMAC
GKN Fokker



NRCOSTS
LEONARDO



Retrofitting Cost
LEONARDO &
UNINA

Performance



Perfo&Mission
UNINA

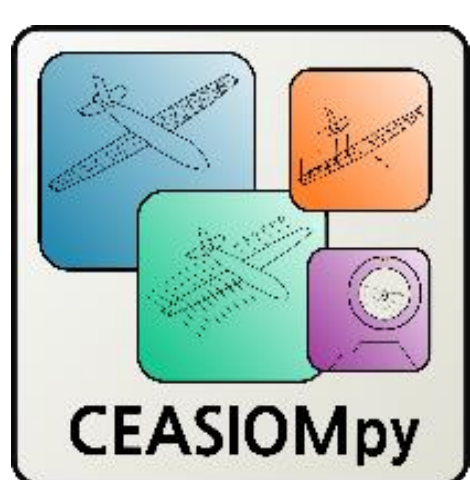


Landing Performance
TU Delft



MASS
NLR

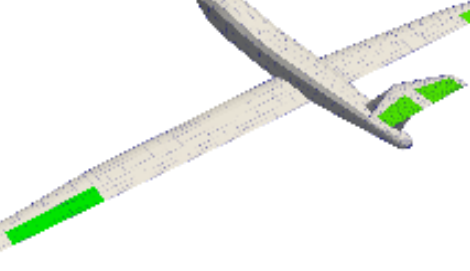
Aerodynamics



CEASIOMpy
CFS Engineering

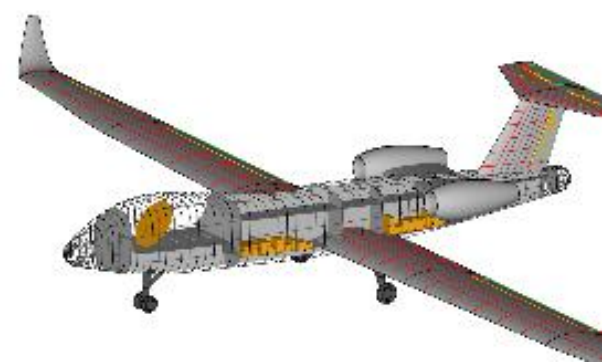


NSMB
CFS Engineering



PamNG
DLR

Geometric Modelling

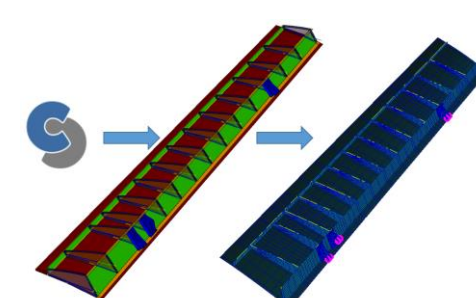


Descartes
Airbus

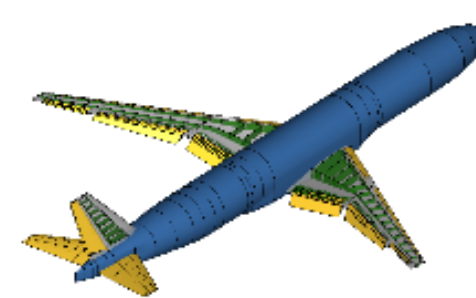


JPADcad
UNINA

2D Aero Geometry Generator
GKN Fokker

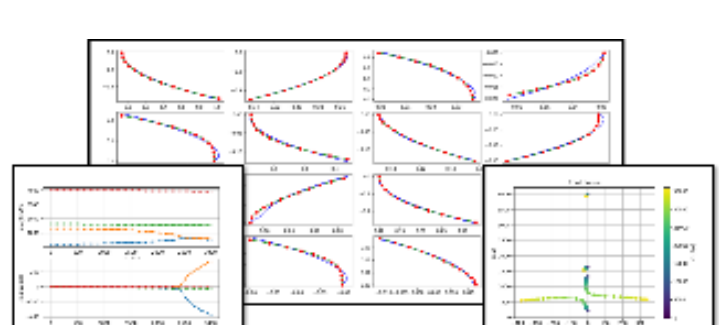


MDM
GKN Fokker



CPACS Model
Generator ParaPy
GKN Fokker

Aeroelasticity



AESA
DLR



FAEDO
DLR

Noise

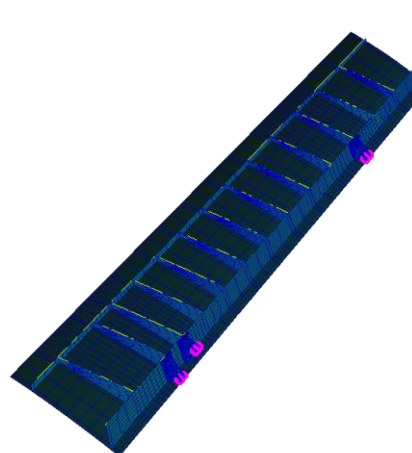


Noise
UNINA

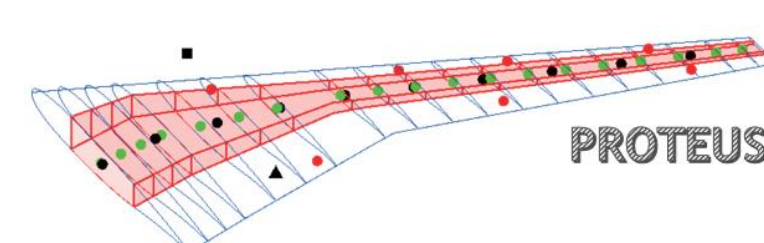
Structures



AMLoad
NLR



CAD2FEM
GKN Fokker



Proteus
TU Delft

Overall Aircraft Design



Initiator
TU Delft



OpenAD
DLR

On-Board Systems



Astrid

Astrid
PoliTo



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