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Future@SystemX

3D Immersive Visualization

Marc Pariente

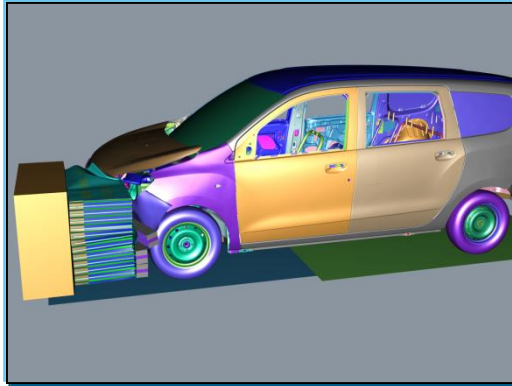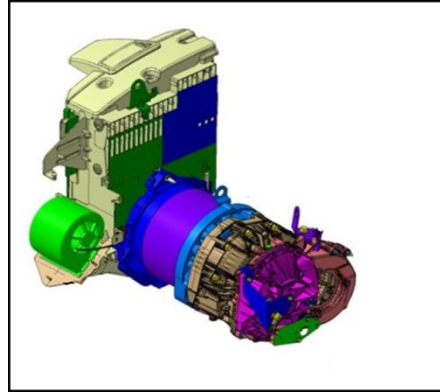| Demonstrators for each use case | → | Identify new advanced capabilities for industrial use of 3D immersive visualization. | → | New capabilities implementation |

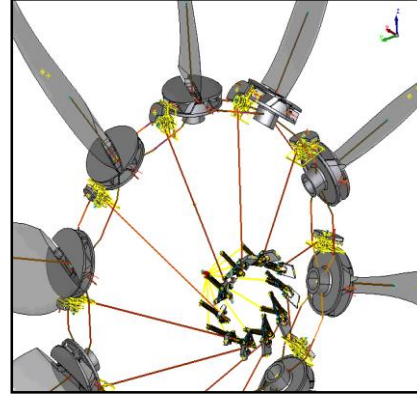3D Immersive Visualization goals :

- Compare optimization solutions
- Allow inter-discipline efficient interaction
- Speed up post processing
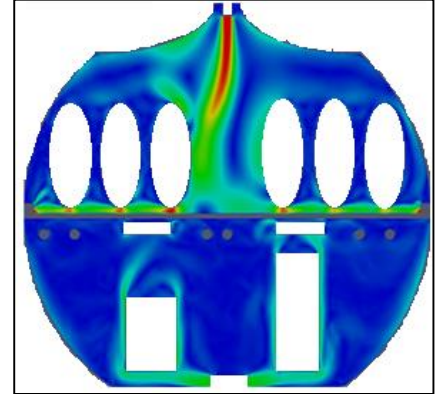- Allow collaboration between distributed teams

| Crash | Electric Engine | Variable blade fitting | Aerothermal |

Team

5 trainees managed by 5 experienced:

- 1 trainee dedicated to tools

- 4 trainees dedicated to use cases

Use Case Owner
SAFRAN

Use Case Owner
EADS

3D Immersive Visualization Task Scope

Variable Blade Fitting
Optimisation
(SAFRAN)

Thermal Regulation
(EADS)

Simulation Results Interactive
Immersive Visualization
(ESI Group)

Car Mass Optimization
(RENAULT)

Electric Engine
traction Optimization
(RENAULT)

Use Case Owner
RENAULT

Use Case Owner
RENAULT

Future@SystemX   #DESIGN #MODELIZE #SIMULATE #EXPERIMENT