

“Integrated CAE towards Professional Solutions”

CATIA MD2

Coreq Prereq
GPS
GAS
FMS
FMD
EST
GDY

- ▶ **SAMCEF Gateway**
Driving general purpose SAMCEF FEA simulations from CATIA V5
 - ▶ Perform linear static, modal, buckling, transient or harmonic response, non-linear structural and thermal analyses

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- ▶ **TEA Mecano CAA V5 Based**
Mechanical transparent extended analysis
 - ▶ Non-linear structure analysis with contact conditions (quasi-static behavior) to obtain easily Von Mises stresses, plastic strains, contact pressure...

CATIA MD2

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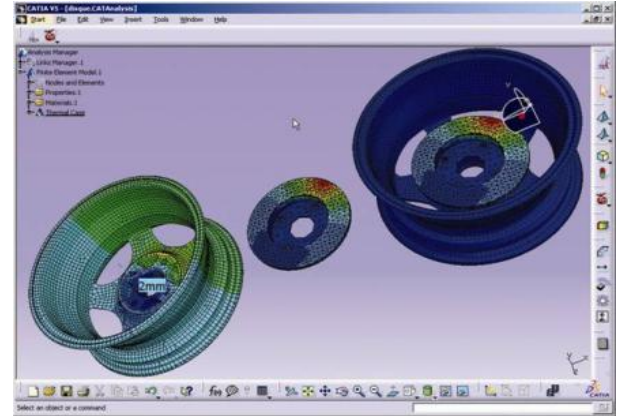
- ▶ **TEA Thermal CAA V5 Based**
Thermal transparent extended analysis
 - ▶ Dedicated to stationary and transient thermal analysis (to obtain easily the temperature distribution on an existing linear model built in CATIA V5)

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- ▶ **TEA Pipe CAA V5 Based**
Automotive industry oriented to analyze the best brake pipe positioning
 - ▶ Vertical application dedicated to Piping and Tubing Simulation to prepare the placement of pipes in engines and cars

[\[Click here for Industry Legend\]](#)



Contact:

Didier GRANVILLE
+32 43 61 69 69
didier.granville@samcef.com

Partner Website:

www.samcef.com

