COmpact Reconfigurable Avionics Model-Based Avionics Design *(CoRA/MBAD)*

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Title of Presentation

- *Budget:* 650K + 75K CCN

- *Duration:* 18 months

- *Prime:* Thales Alenia Space France

- *Main Objectives – CoRA top-level:*

  Analyse, experiment on, and automate the co-engineering process between AOCS&GNC, SW Engineering and Data Handling

- *Main Objectives – CoRA/MBAD level:*

  Analyse the trade-offs involved, and then define and implement a complete process - with all methods and tools necessary for "push button"-like automated deployment of functions on SW or HW forms (on a GR740 and a BRAVE), and automated FPGA reconfiguration performed at run-time.