

系思迈 CESAMES

各行业客户实例

Case Studies - Clients of All Sectors



Aeronautics & Defense with Training and Transformation

Transformation to System Engineering

Engine Manufacturing for the Aerospace Industry

• CONTEXT

CESAMES's client is world leader in propulsion.

Projects carried out in a way that is far too sequential and siled.

Strong security constraints on the rise.

Engineering not challenged collectively: the large number of non-conformities and derogations shows a tendency to over-specification and to the renewal without challenge of the hypotheses and the solution.

Client's « All or nothing » engineering:

- Difficulty in managing evolving and vague needs to be refined,
- Current inability to freeze only the essential parameters according to the progress of the project.

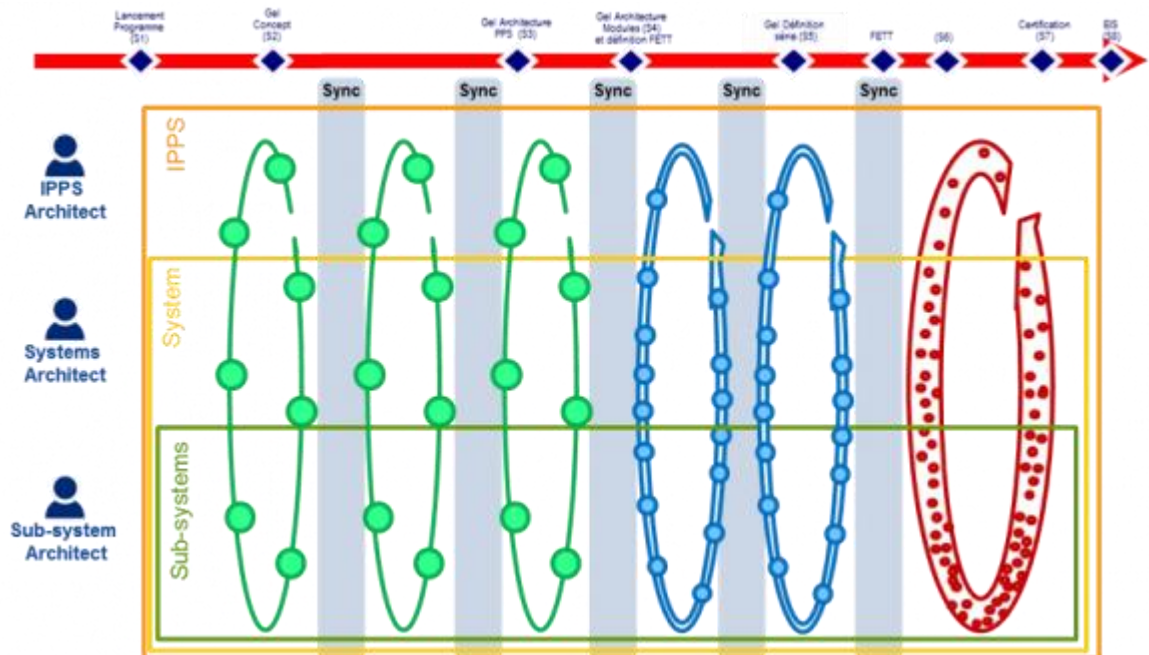
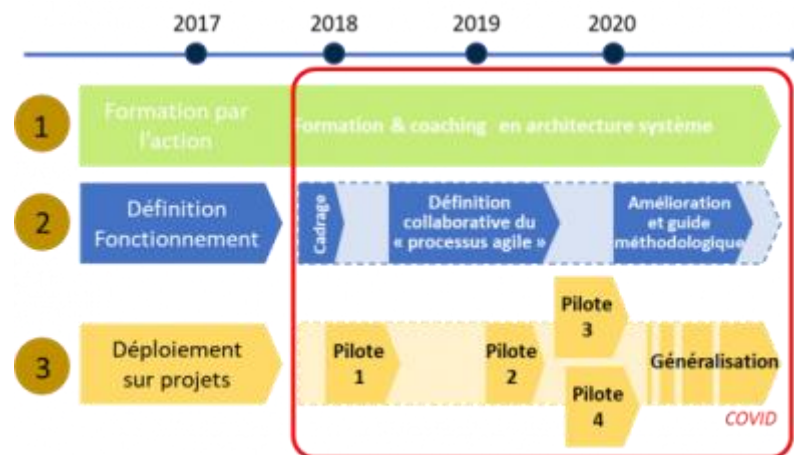
Symptoms of client's problems:

- Delays / successive modifications
- Slow development
- Non-conformities / derogations
- Solutions less innovative

CESAMES so detected the need to transform the client's engineering and manufacturing in a « down to the part » way.

- **CESAMES's APPROACH & COACHING**

CESAMES supported with the framework, the definition of target operations and helped on planning/piloting implementation projects.



• ADDED VALUE by CESAMES

- Planning: less 20 to 30% measured on the preliminary design and conceptual design phases
- Costs drastically reduced: less 70% on conceptual design costs!
 - Reduced 52% the cost between the launching and PDR (Preliminary Design Review)
 - Reduced 70% the cost between PDR and CDR (Conceptual Design Review)
- Sharp drop in reserves / impactful recommendations at milestones

Recommendations	PDR		CDR
Critical	1	➤	0
Major	19	➤	6
Minor	19	↗	23