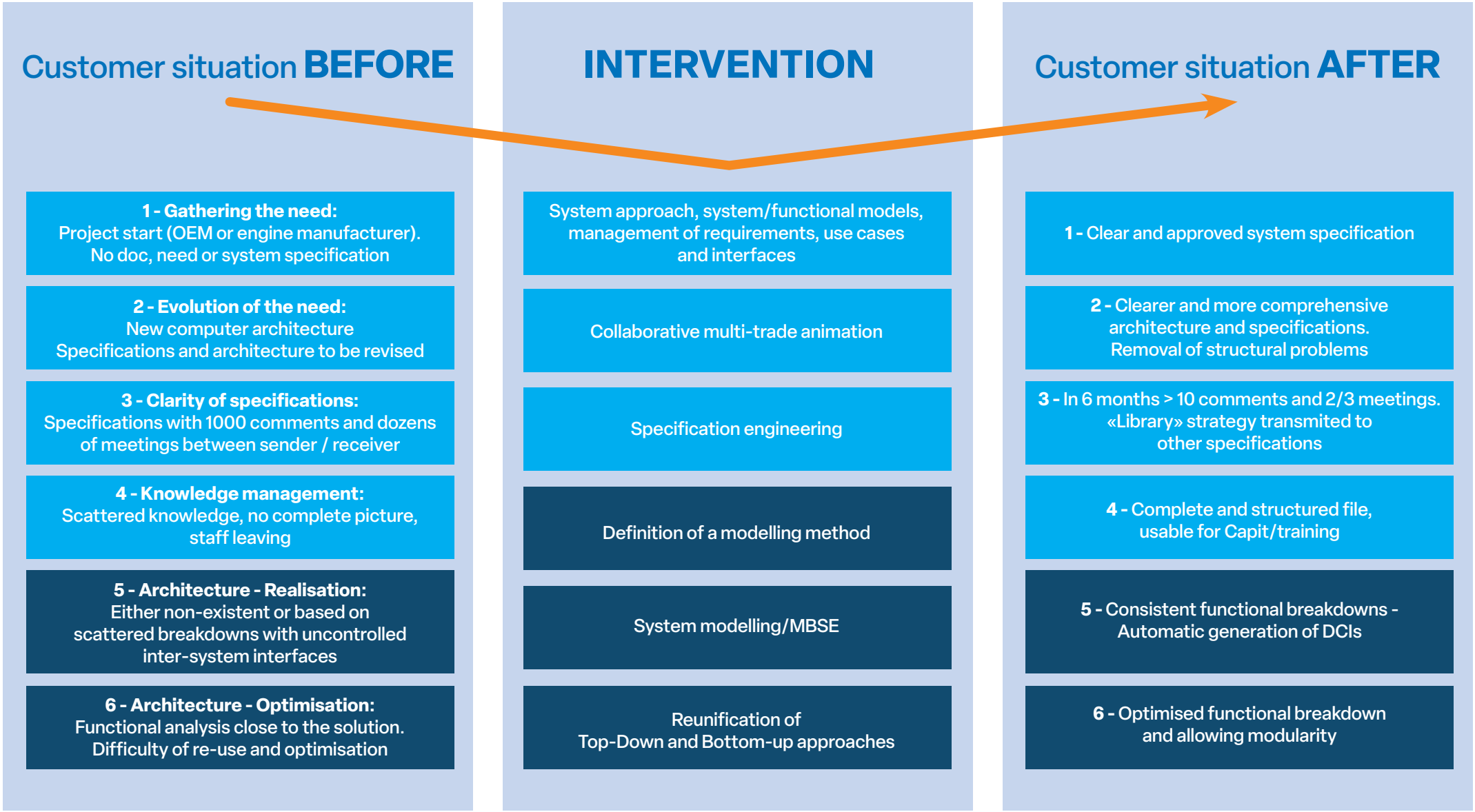
Customer situation BEFORE
INTERVENTION
Customer situation AFTER
1 - Gathering the need:
Project start (OEM or engine manufacturer).
No doc, need or system specification
2 - Evolution of the need:
New computer architecture
Specifications and architecture to be revised
3 - Clarity of specifications:
Specifications with 1000 comments and dozens of meetings between sender / receiver
4 - Knowledge management:
Scattered knowledge, no complete picture, staff leaving
5 - Architecture - Realisation:
Either non-existent or based on scattered breakdowns with uncontrolled inter-system interfaces
6 - Architecture - Optimisation:
Functional analysis close to the solution.
Difficulty of re-use and optimisation
System approach, system/functional models, management of requirements, use cases and interfaces
Collaborative multi-trade animation
Specification engineering
Definition of a modelling method
System modelling/MBSE
Reunification of
Top-Down and Bottom-up approaches
1 - Clear and approved system specification
2 - Clearer and more comprehensive architecture and specifications.
Removal of structural problems
3 - In 6 months > 10 comments and 2/3 meetings.
«Library» strategy transmited to other specifications
4 - Complete and structured file, usable for Capit/training
5 - Consistent functional breakdowns - Automatic generation of DCIs
6 - Optimised functional breakdown and allowing modularity