

CFD Progetti – Integration of ANSA in an Open-Source Environment

Challenge:

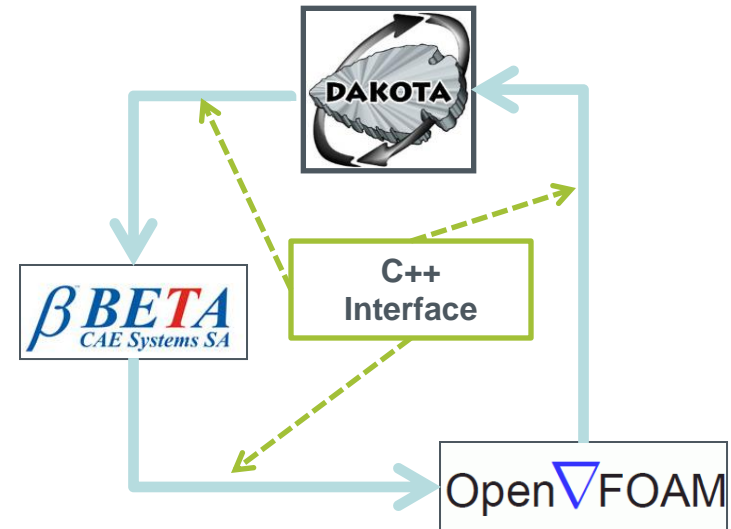
- to develop an optimization procedure able to speed-up geometry modifications handling
- to enable interconnection and integration between commercial and open-source tools

Approach:

- geometry/mesh handling and modification by means of ANSA Morphing features
- ability to use both commercial and open-source codes, in order to define a customized in-house procedure
- implementation of interfaces by means of C++ code

Results:

- speed-up due to simplifications and intuitivity in geometry/mesh handling
- AD-HOC procedure: ability to make communicating and interfacing different kind of tools



“ANSA entirely changed the idea of CFD and FEM simulations; its morphing features enabled geometry/mesh handling speed-up that made optimization feasible and affordable in a competitive time.”

Gabriele Ottino

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