

## COMPLETE SOLUTIONS FOR MODEL BUILD-UP

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### ABSTRACT –

It has been more than 10 years since BETA CAE Systems introduced the concept of the “Common Model” as a revolutionary approach for the pre-processing of CAE models. The main idea was to consolidate all the pre-processing tasks that were traditionally repeated for each discipline model into a single process, the so-called “common model build-up”. Once the common model was in place, all discipline-specific models could be derived with minimum effort. The ANSA data management, the Connection Manager and the Batch Meshing tool have played a key role in turning this concept into reality.

Since then, the common model concept has evolved and expanded towards the support of multi-variant models, built and maintained within a collaborative environment. The Model Configurations and the Compare Tool were introduced to serve this purpose and have been well received by the CAE teams worldwide, which integrated the new technologies into their production workflows.

In the last couple of years, BETA CAE Systems has focused on making the CAE model build-up functionality accessible to a larger group of users and applicable to environments with different data management infrastructures. This presentation addresses these latest developments that empower the engineer to do more, faster and with less effort.

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