

Increase the Efficiency
and Innovation Potential of
your Development Process
through Collaborative Digital
Product Development CDPD
with COVISE CE

COVISE CE Collaborative Excellence in Engineering



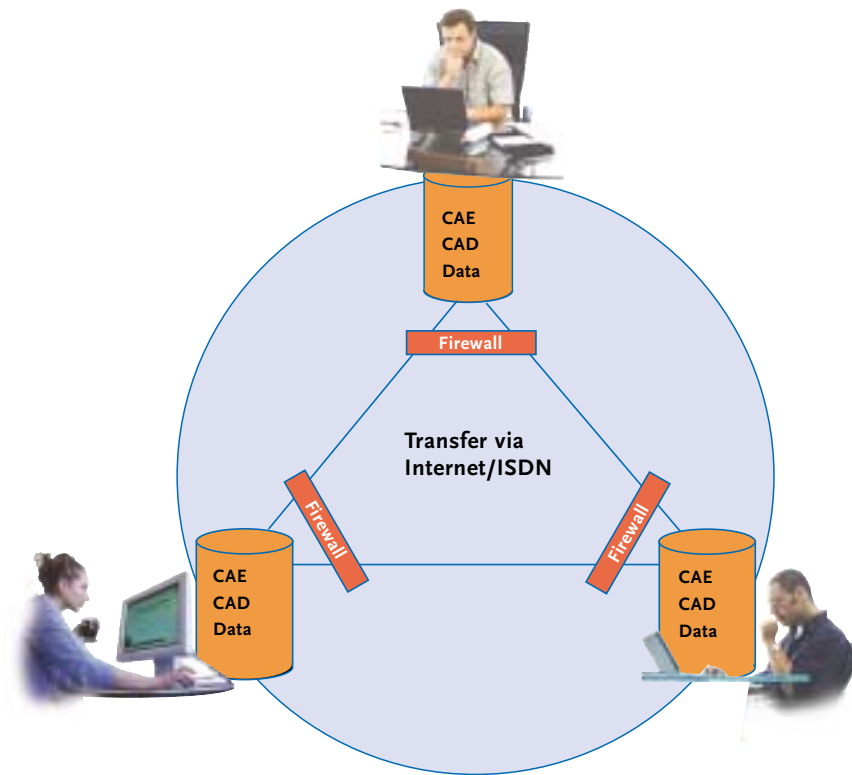
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The Objective – Increase the Innovation Potential of your Enterprise through Collaborative Digital Product Development CDPD

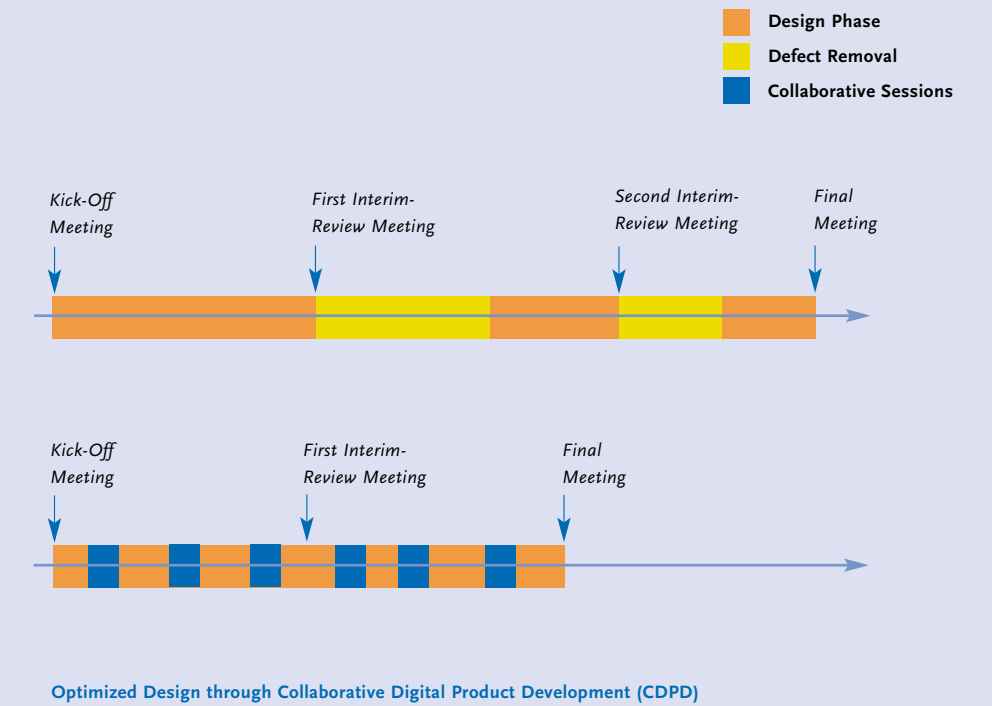
In a global market, manufacturing enterprises have to accept the challenge to develop innovative products in shorter and shorter development cycles. Since the share of outsourcing of development and production is growing, cooperation between sites and enterprises in the areas of engineering and production becomes more and more important. Especially the coordination of development results of CAE/CAD proves to be time consuming and costly, and often hinders project progress. To meet the requirements, the product development process has to be synchronized directly online and between enterprises. This development concerns multinational companies in the engineering department of automotive, aerospace industry, mechanical engineering and oil and gas as well as small and medium size businesses of the supply industry.



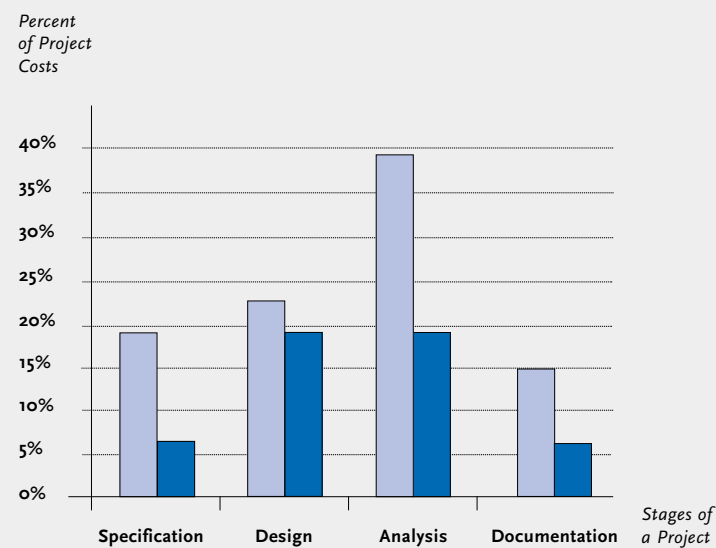
The typical Collaboration Scenario

The Solution – Collaborative Engineering in CAE and CAD with COVISE CE

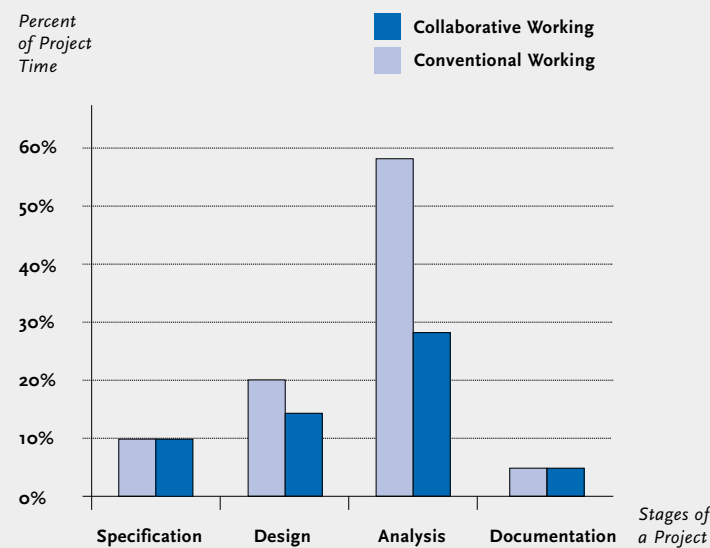
Being able to release innovations faster to the market and to have the possibility to develop products interactively and between enterprises is not a vision any more. COVISE CE puts a collaboration platform for the areas CAE and CAD at disposal which is distributed, powerful and available at all times. The project coordination process can be synchronised online between remote locations through COVISE CE. Directly at their workplace, members of national or global developing teams answer questions arising during the project by means of 3D-conferencing tools and shared white boards. COVISE CE allows cooperative work with complex product data and its Visualisation from desktop PC's up to high-end Virtual Reality (VR) environments.



Optimized Design through Collaborative Digital Product Development (CDPD)



Potential for Reduction of Costs using COVISE CE



Potential for Reduction of Time using COVISE CE

The Advantages – Increase Efficiency through Time and Cost Savings in the Development Process

Increase your efficiency at distributed development of innovative high-tech products by using the collaborative framework COVISE CE. The time and cost reducing effect of cooperative work, has been proven in many multinational engineering projects. Next to an obvious shortening of the project duration, the direct project costs could be reduced by 40% because extensive and expensive travels and the coordination effort could be waived (e.g. CASA). Seize the advantages of collaborative engineering within distributed locations of your enterprise and with your clients and suppliers. COVISE CE supports you to be online, performant and effective.

The Technical Background – The Collaboration Framework COVISE CE

Based on a distributed application platform, COVISE CE works between sites and locations. Data intense simulation results can get processed in several places and subsequently analysed – online – together with all cooperation partners. COVISE CE allows thereby to examine the development result from every perspective. All partners can participate actively in the analysis, add corrections and comments and thus interactively attend the product development. Parallel thereto the results are discussed in an audio conference. COVISE CE provides the necessary software infrastructure based on collaboration frameworks. The COVISE CE technology is notably

advantageous since the image transfer of product data is safely and optimally distributed instead of purely sequential image transmission. At each individual site the existing computer graphics resources are optimally utilized. The necessary online synchronisation for collaborative sessions is, when using COVISE CE, at low bandwidth already efficient and effective.