# Integrated Engineering Consulting

**Safe navigation for system implementation and migration**

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| • A high variety of engineering tools is applied across departments  
• This entails manual data transfers and an increased susceptibility to errors (e.g. due to semi-automated interfaces)  
• Complex tools require extensive customizing and long implementation time  
• Non-transparent workflows cause a lack of manageability  
• Existing customizing requires migration (e.g. from cDB to iDB)  
• Documentation is created in different systems and with different formats w/o intelligent interfaces | • Support in creation of specification  
• Support in implementation and migration of COMOS consisting of:  
  • Creation of a new customizing  
  • Improvement of existing customizing  
  • Use of EC-Customizing as basis  
  • Consideration of productive and test systems  
• Conversion projects for intelligent process flow diagrams and consistent data base  
• Migration workshops  
• Training for users and admins  
• Creation of scripts (VBA)  
• Consulting on tool administration and in-house support structures | • Reduction of implementation costs  
• Reduction of implementation time  
• Implementation of efficient workflows based on high engineering experience  
• Increase of implementation quality through experience as COMOS user |

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### Project information
- The end customer is an energy supplier who is active in the production, promotion, and distribution of electricity and natural gas.
- When changing the engineering tool of the customer, from Intergraph to Comos, it was necessary to convert (redraw) 563 P&Ids.

### Challenges
- Work with a previously unknown customizing.
- Network performance (order required access to the client's server platform in Scandinavia).
- Aggravated workflow by passing on the work result via an intermediate customer.

### Siemens solution
- Implementation of our own quality assurance in the interest of the end customer.
- Optimization of the workflow.
- Successful completion of the project to the satisfaction of the customer.

### Benefit for our customer
- Great COMOS knowledge base.
- Planning security through precise effort estimation.
- Process knowhow of draftsmen.