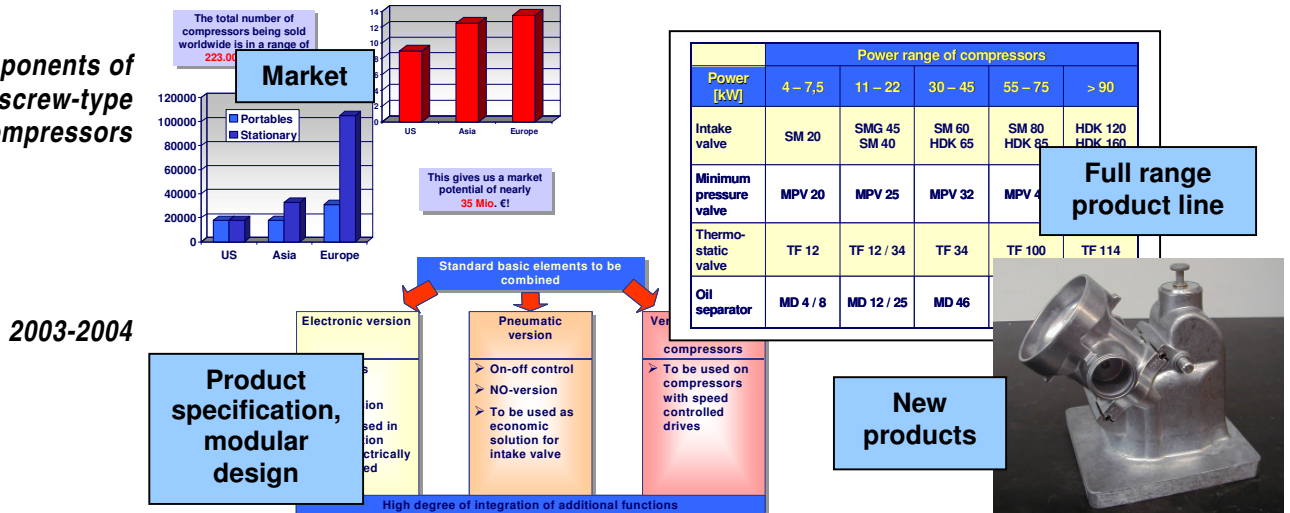


Components of screw-type compressors



...modular design system...FMEA...product portfolio...QFD....

Problem Research & development projects of new components for screw-type compressors went bad ahead. There were several reasons for this situation:

- specified products did not correspond to customer's demands
- the rate of development was slow-going because of the high complexity of the products.

In this situation the highest priority was the orientation of the product attitudes to the needs of the market. With second priority the development activities had to be focussed so that the sub-projects could be finished step by step and with these procedure the products could be transferred to the market in the same way.

Project description and result

Based on updated market analysis product profiles have been modified and defined new. At the same time the complete development project was broken down to several sub-projects. These sub-projects have been prioritised and the finished in sequence. Thus the products could be placed in the market step by step.

Furthermore the overall development strategy has been changed. The original target of developing stand-alone single products was modified to a complete modular structured product line with complementary products to complete the product portfolio. Coming from single products a full product range was established which satisfied the customer's demands nearly perfect.

Beside the realisation of the technical targets the achievement of the cost targets was essential for the success of the project. These targets were realised by implementing new technologies in the production process. These technologies were the key for a competitive manufacturing of these products.

Project manager Dr.-Ing. Lothar Ophey