

3DSE Short Survey 'Modular and Platform Approaches'

Top objectives, approaches, success factors, benefits, spheres of activity.

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3DSE management summary.

- Managers of various high-tech industries are examining the topic of “Modular and Platform Approaches” from four essential perspectives:
 - The modular system is a **portfolio of standardized components and modules**, which are **reusable to the greatest possible extent**.
 - The platform is the **baseline for customer-specific solutions**.
 - The modular system **defines standardized interfaces where reuse is not possible**.
 - A modular and platform strategy takes into account all **internal as well as external interface partners** and is **anchored in processes as well as the organization**.
- The **top objectives** of “Modular and Platform Approaches” **from the internal company perspective** are reducing the production costs, the time to market as well as the service and maintenance cost. **From the market perspective** do furthermore goals exist like improving quality, enhancing customer benefits as well as growing the product portfolio. **Enablers** help achieve these objectives.
- **Ten key success factors** are crucial for the setup and sustainable implementation of Modular systems and Platforms.
- The attention of management and the commitment of the entire organization are the **foundation of a successful modular and platform strategy**. For the **active use** of the modular system, it is necessary, to create an internal pull.
- Thus the modular system/platform is **medium to long-term oriented** towards the market and customer needs, it has to allow the right degree of flexibility.
- The **foundation of durable modular/platform strategies** is especially laid in the early development process and requires courage for new developments and technical willingness to compromise.
- Furthermore, the foresighted providing of resources and tools is needed in addition to the assignment of experienced and competent employees in an **independent modular system / platform organization with full responsibility**.

The 10 key success factors: Modular and platform approaches:

- ... Ensure the full commitment and attention of management
- ... Get the entire organization behind the topic
- ... Create an independent organization with full responsibility for a modular system/platform
- ... Focus on the early stage in the standard development process
- ... Be market and customer oriented
- ... Show courage for new developments and technical compromises
- ... Ensure flexibility of the modular system/platform
- ... Create an internal pull for the modular system/platform benefits
- ... Engage experienced and competent employees
- ... Provide foresighted resources and tools

Do you have any questions?
We welcome you to contact us!



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