



Langlebige Softwarearchitekturen – der Weg aus den technischen Schulden

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WPS - Workplace Solutions GmbH

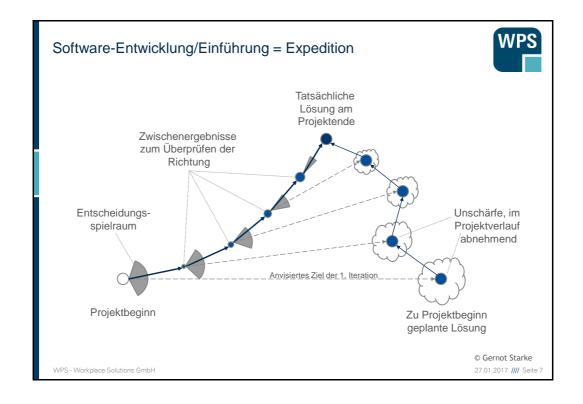
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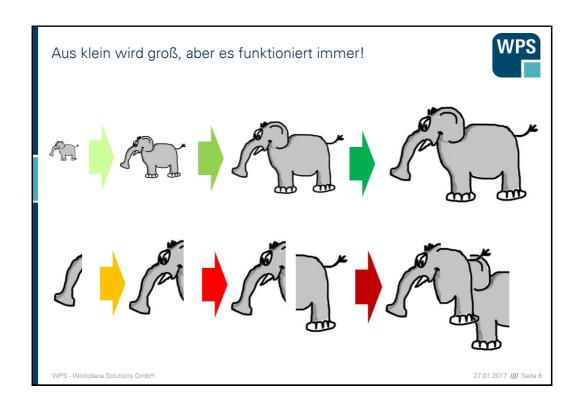




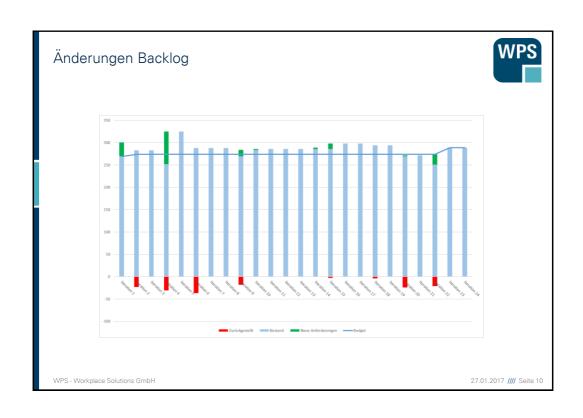


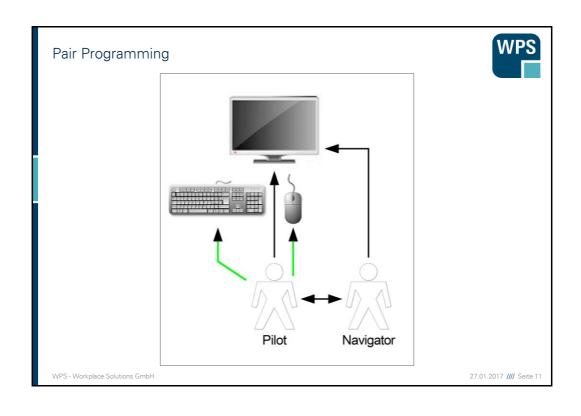


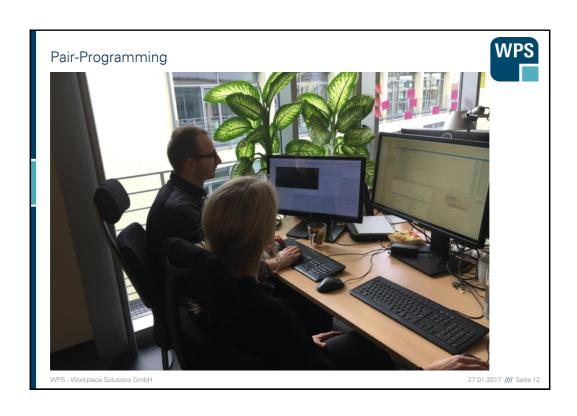


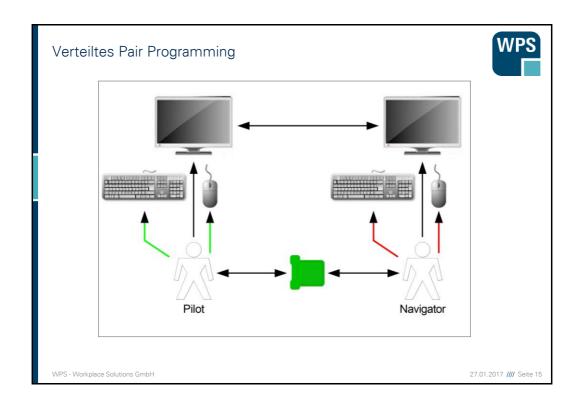


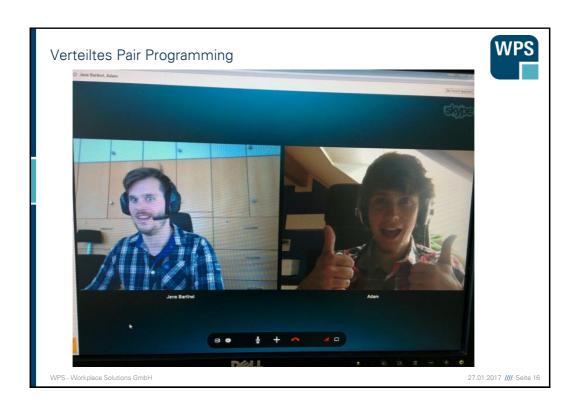


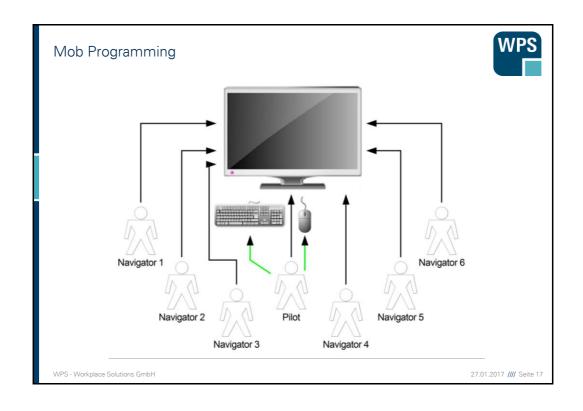


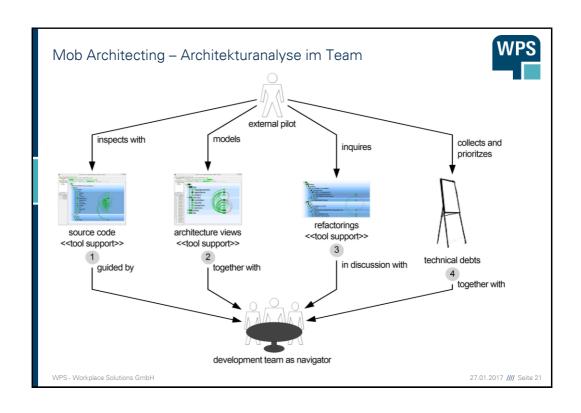


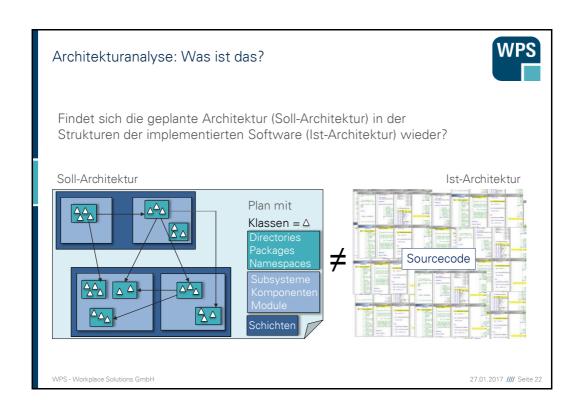


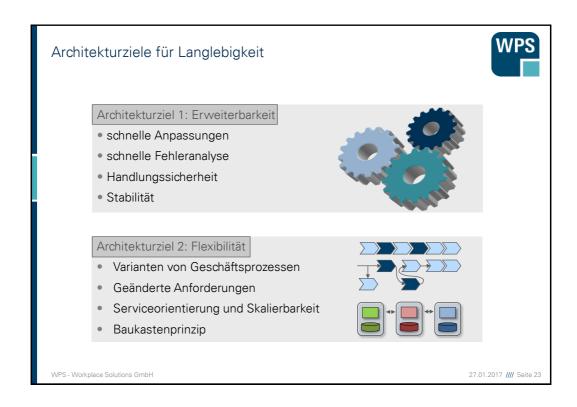


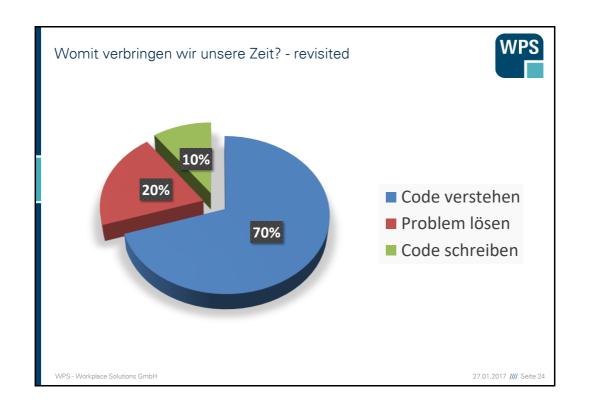


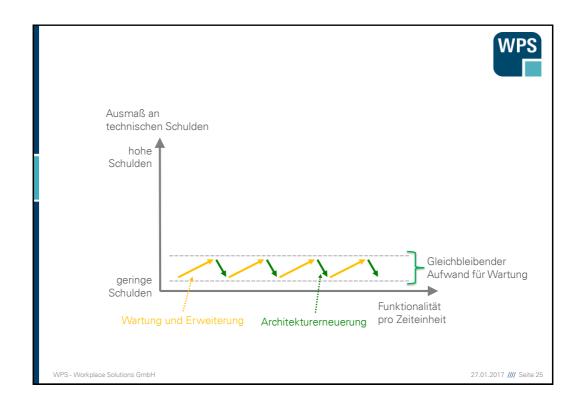


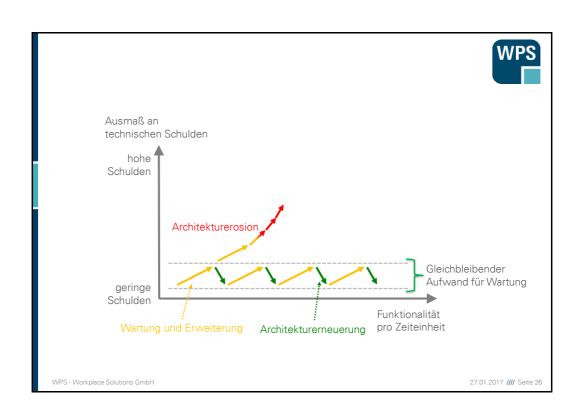


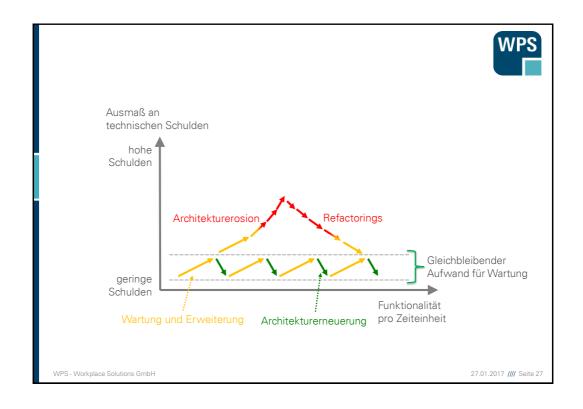


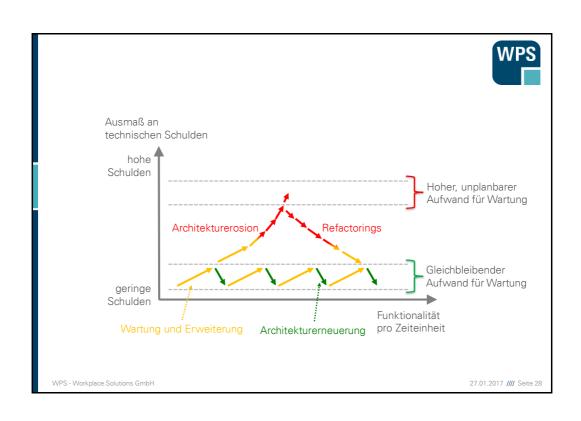


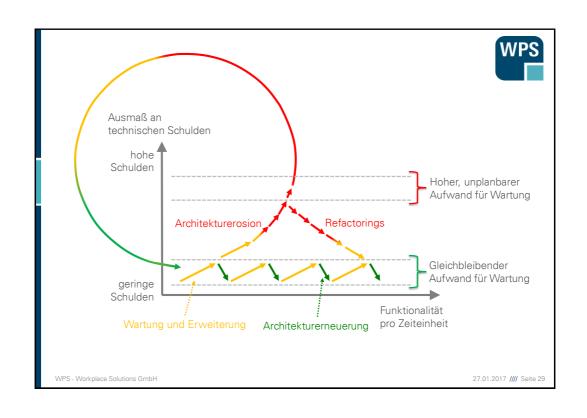


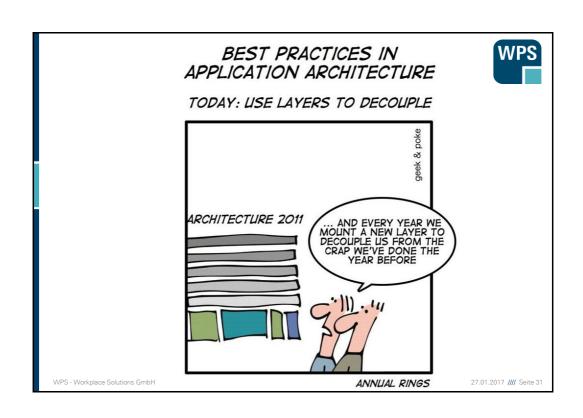


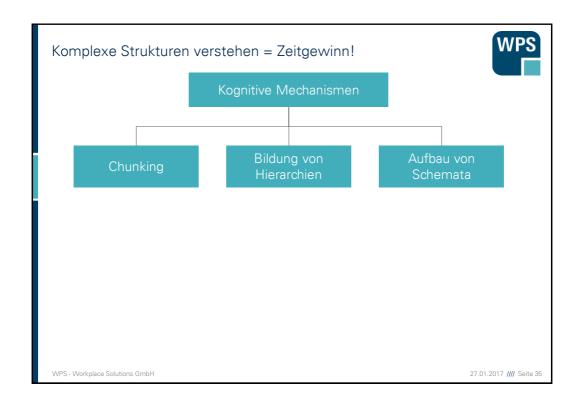


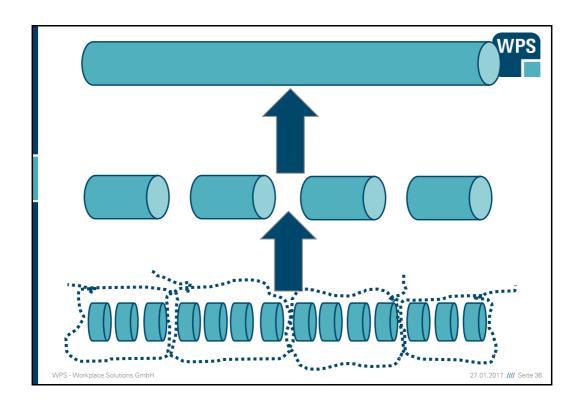


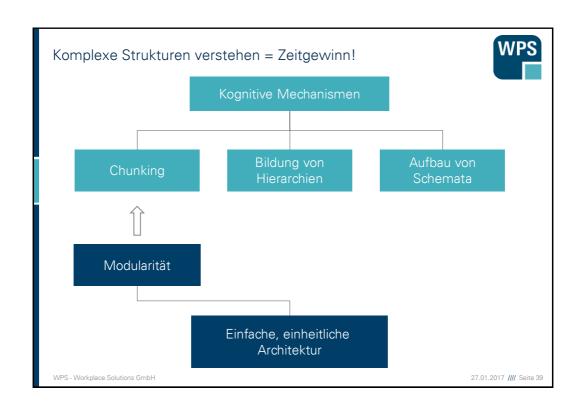


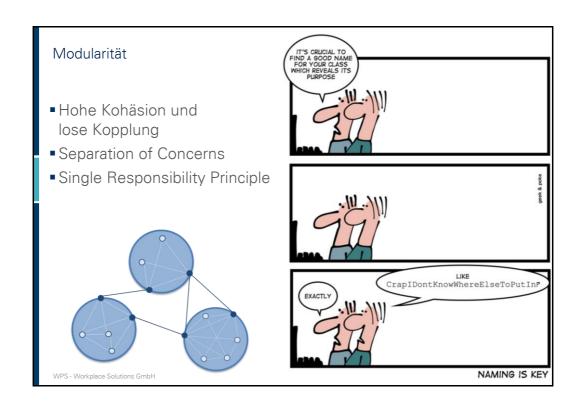


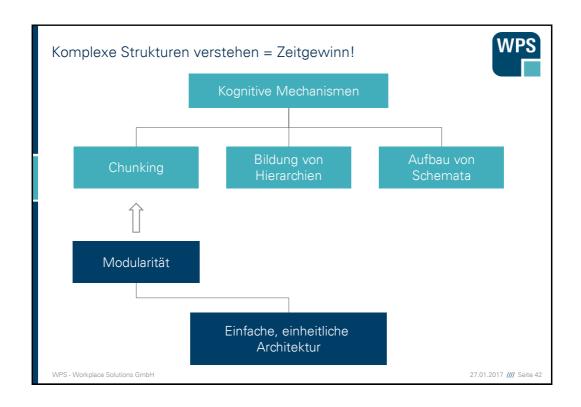


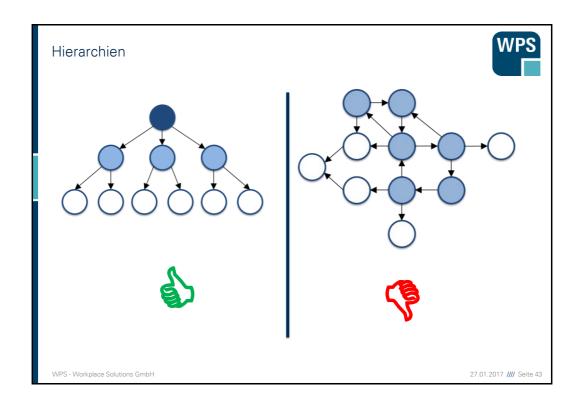


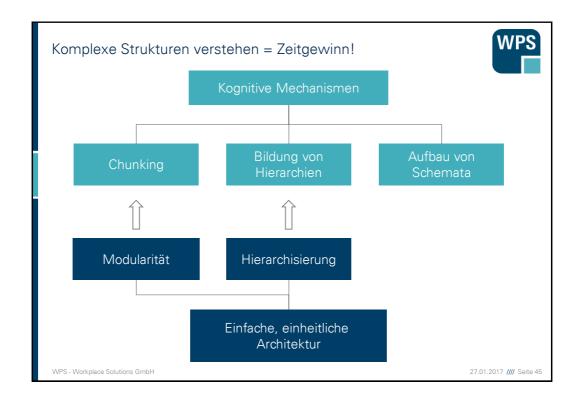


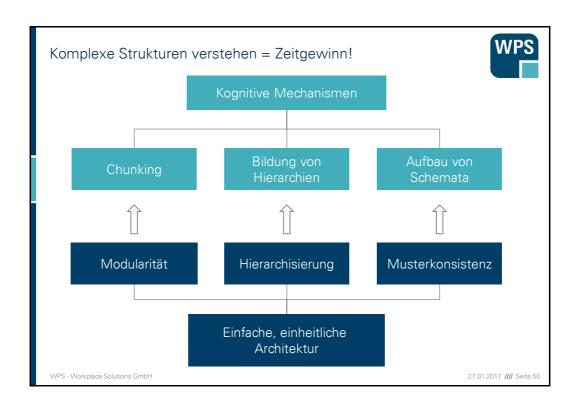


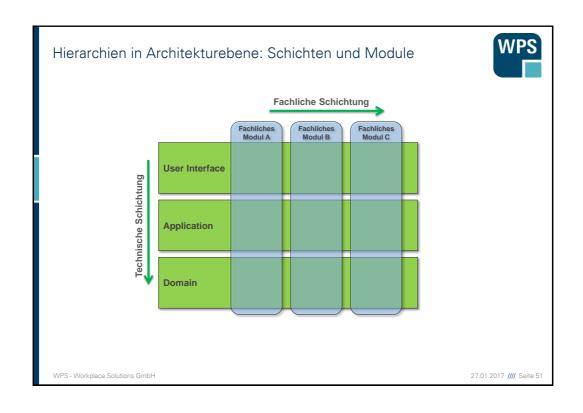


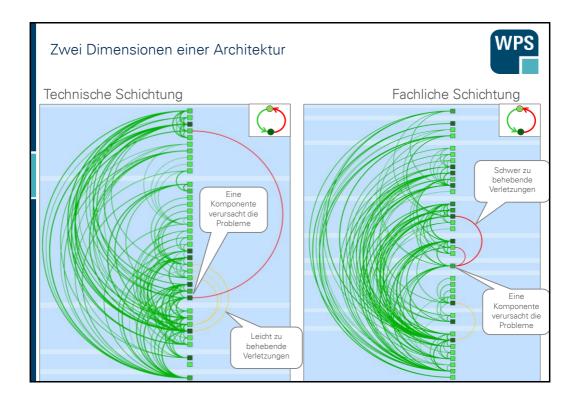


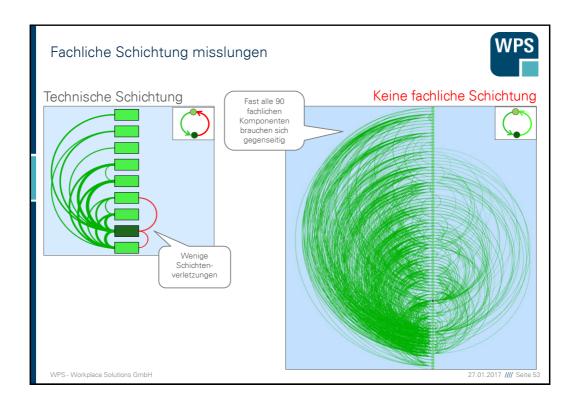


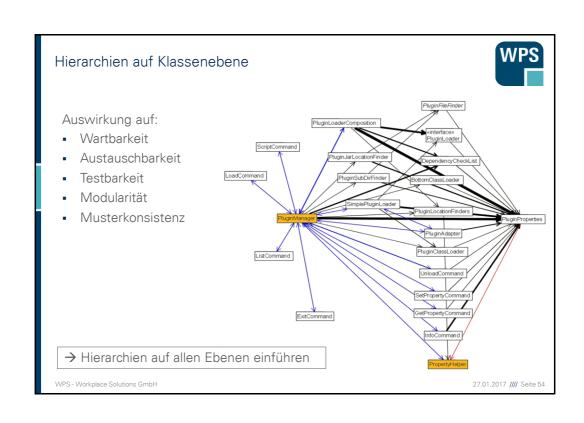


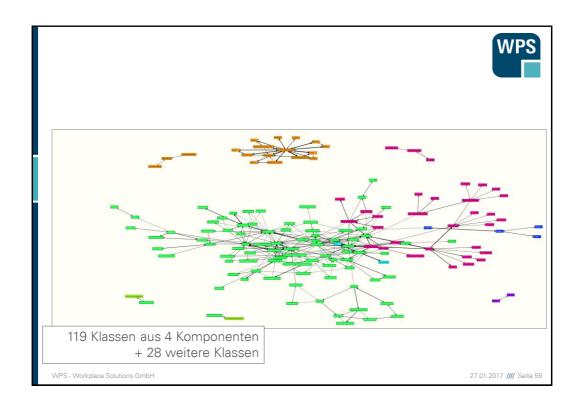


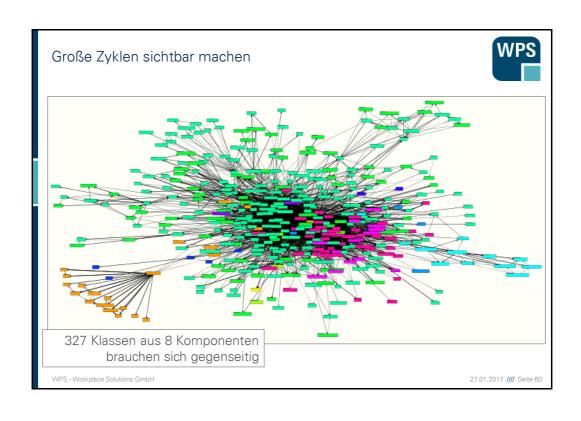


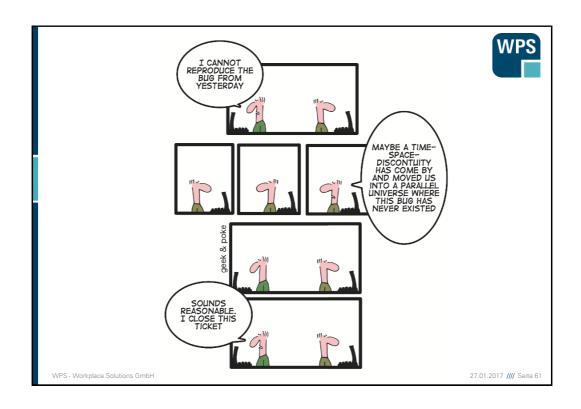


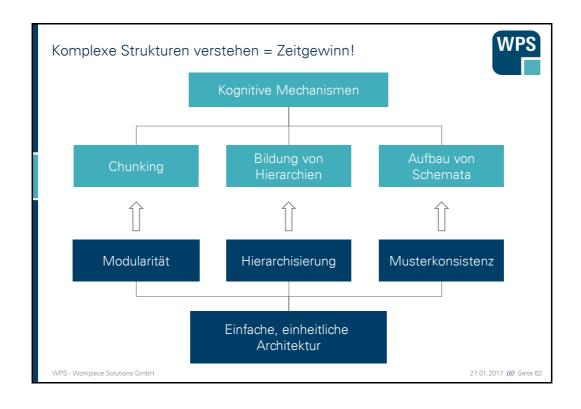


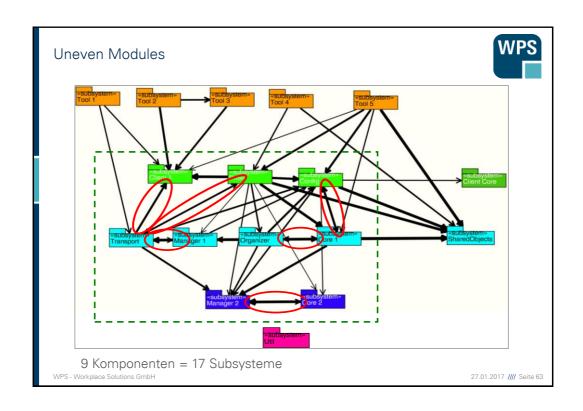


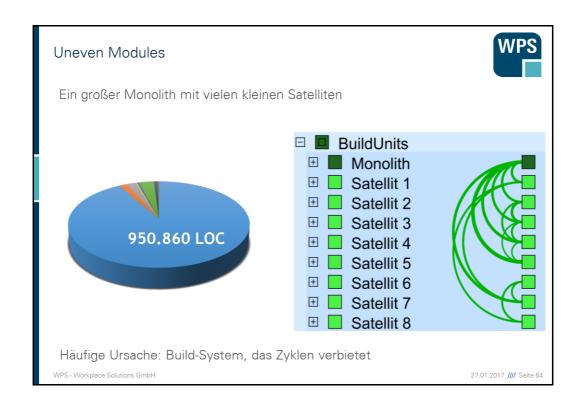




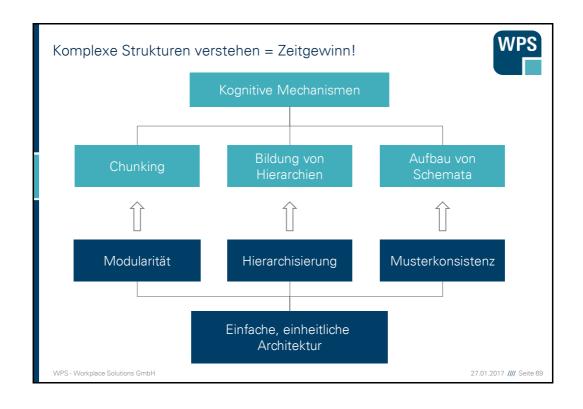


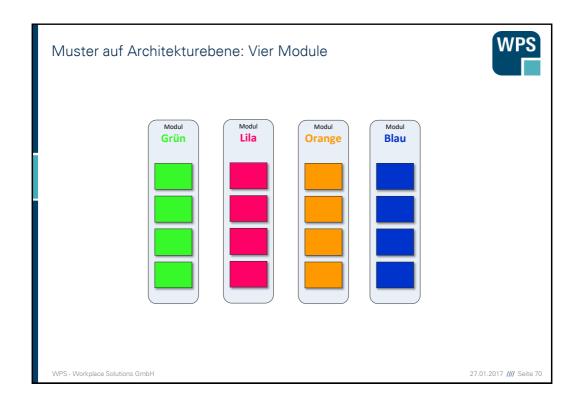


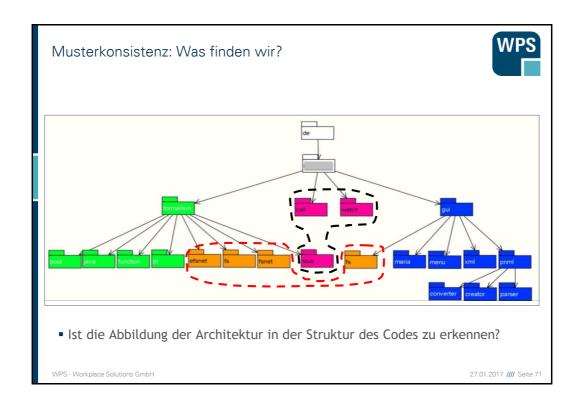


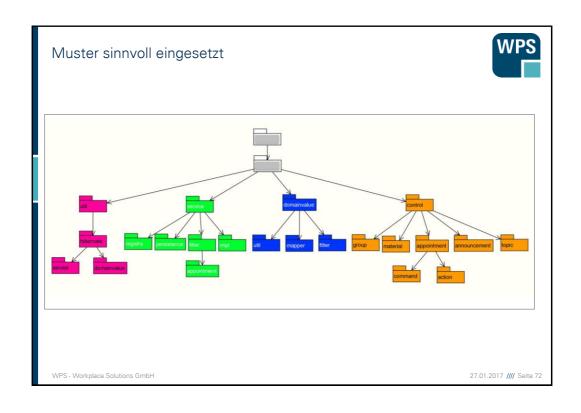


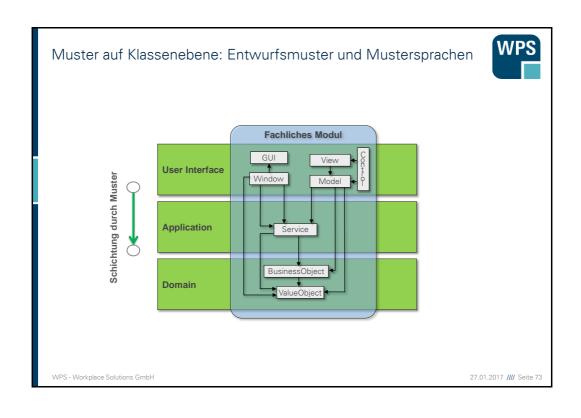
## Modularität: Ausgewogene Größenverhältnisse Ist das System auf den verschiedenen Ebenen ausgewogen? Welche Code-Abschnitte fallen durch ihre Größe besonders auf? Method Welche Code-Abschnitte fallen durch ihre Größe besonders auf? Typische Metriken: LOC pro Methode, Klasse, Package, Komponenten Duplizierter Code Zyklomatische Komplexität WPS-Workplace Solutions GmbH 27.01.2017 IIII Seite 57

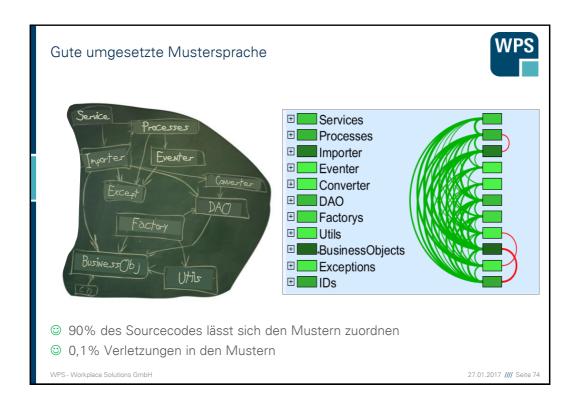


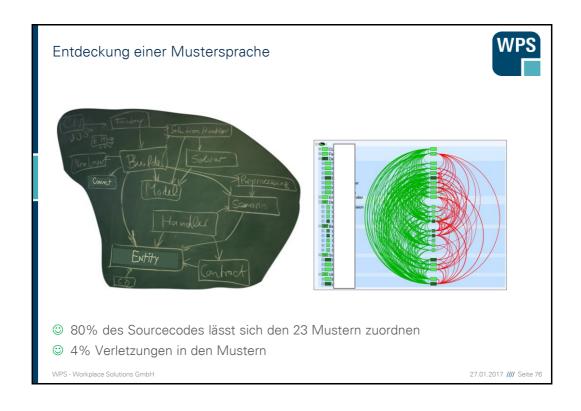


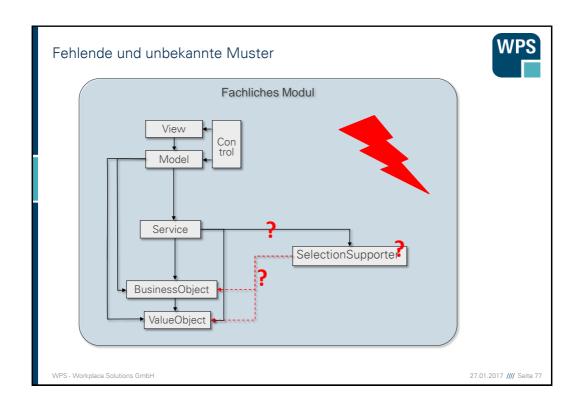


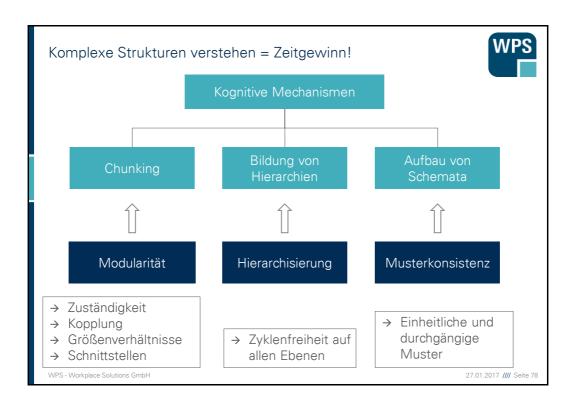












## Kostenfreie Werkzeuge

WPS

- SonarQube:
  - Leitstand für Qualitätsmetriken
  - Plattform für vielfältige Plugins
- JDepend:
  - wenige Metriken
  - einfache Abhängigkeitsanalyse
- JDepend + Google Architecture Rules:
  - einfache Architekturbeschreibung
- Ndepend/CDepend:
  - Metriken
  - Abhängigkeitsanalyse
- XRadar:
  - Analyse von Java-Projekten via maven
  - Reports bezüglich Komplexität und Architekturverletzungen

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- Moose
- Code City
- Degraph
- iQAssistant

