

# **Capability Maturity Model Integration (CMMI)**

## Grundprinzipien des CMMI

Level	Characteristic	Benefit
5 Optimizing	<ul style="list-style-type: none"> <li>• Defect prevention process</li> <li>• Process change management</li> <li>• Technology change management</li> </ul>	
4 Quantitatively Managed	<ul style="list-style-type: none"> <li>• Quantitative management of process performance and quality</li> <li>• Consequent use of statistical methods</li> </ul>	
3 Defined	<ul style="list-style-type: none"> <li>• Standard process owned by the organization</li> <li>• Organization standard process established</li> <li>• Project specific tailoring of the standard process</li> </ul>	
2 Managed	<ul style="list-style-type: none"> <li>• Process owned by project manager</li> <li>• Disciplined project management</li> <li>• Process varies from project to project</li> </ul>	
1 Initial	<ul style="list-style-type: none"> <li>• Process not defined, ad-hoc-working methods</li> <li>• Success depends on a few specialist (heroes)</li> <li>• Schedule, quality and cost unpredictable</li> </ul>	

## CMMI Process Areas

Organizational Innovation and Deployment  
Causal Analysis & Resolution **Optimizing (5)**

Quantitative Process Management  
Software Quality Management **Quantitatively Managed (4)**

Requirement Development  
Technical Solution  
Product Integration  
Verification  
Validation  
Organizational Process Focus  
Organizational Process Definition  
Organizational Training  
Integrated Project Management  
Risk Management  
Decision Analysis and Resolution **Defined (3)**

Requirements Management  
Project Planning  
Project Monitoring and Control  
Supplier Agreement Management  
Measurement and Analysis  
Process and Product Quality Assurance  
Configuration Management **Managed (2)**

## CMMI Model Components in the Staged Representation

