

Contents

- I. An Introduction to Project Management Software** **1**
- 1. How to work with this report** **3**
- 2. The Product Selection Process** **7**
 - 2.1. Structured Approach – A Process Model 7
 - 2.2. Defining the Situation and Formulating Requirements 8
 - 2.3. Selection of Appropriate Potential Products 10
 - 2.4. Deciding on a Product & Supplier 11
 - 2.5. Success Factors 12
- 3. Implementing Project Management Software** **15**
 - 3.1. Piloting the Software 15
 - 3.2. Roll-Out Concept 16
 - 3.3. Qualification and Training 16
 - 3.4. User Support and Specialized Coaching 17
 - 3.5. Integrating PM software into existing software systems 18
 - 3.6. Ongoing Improvement 19
 - 3.7. Management Support 20
- 4. Architectures and Technologies** **21**
 - 4.1. Software Architectures 21
 - 4.2. Configuration 23
 - 4.3. Enterprise Application Integration 24
 - 4.4. Security 25
- 5. Project Management Software Maturity** **27**
 - 5.1. Single-Project Management Systems 29
 - 5.2. Multi-Project Management Systems 29
 - 5.3. Enterprise Project Management Systems 32
 - 5.4. Performance-oriented Project Management Systems 32
 - 5.5. Knowledge-oriented Project Management Systems 33
- 6. The M-Model as a Frame of Reference** **35**
 - 6.1. The M-Model 35
 - 6.2. Areas of Interest 37
- 7. Project Management Software Functionality** **41**
 - 7.1. Idea Generation / Lead Mgmt. 41
 - 7.1.1. Creativity Techniques 41
 - 7.1.2. Lead Management 41
 - 7.1.3. Idea Management 42
 - 7.1.4. Product Management 43
 - 7.2. Project Proposal Evaluation 44
 - 7.2.1. Effort Estimation 44
 - 7.2.2. Resource Needs Specification 45
 - 7.2.3. Risk Estimation 46
 - 7.2.4. Profitability Analysis 46
 - 7.2.5. Project Budgeting 47
 - 7.2.6. Offer Management 48

7.3. Portfolio Planning	48
7.3.1. Organizational Budgeting	49
7.3.2. Project Assessment (Scoring)	49
7.3.3. Automated Project Portfolio Optimization	50
7.3.4. Project Portfolio Configuration	51
7.4. Program Planning	52
7.4.1. Project Templates	52
7.4.2. Resource Master Data	53
7.4.3. Resource Assignment Workflow	54
7.4.4. Resource Allocation	55
7.5. Project Planning	55
7.5.1. Work Breakdown Structure Planning	56
7.5.2. Network Planning	56
7.5.3. Scheduling	57
7.5.4. Resource Leveling	57
7.5.5. Risk Planning	58
7.5.6. Cost Planning	58
7.5.7. Plan Variations and Scenarios	59
7.6. Project Controlling	59
7.6.1. Change Request Management	59
7.6.2. (Travel) Expense Management	60
7.6.3. Progress Tracking	60
7.6.4. Cost Controlling	61
7.6.5. Agile Project Management	61
7.7. Program Controlling	62
7.7.1. Status Reporting	62
7.7.2. Deviation Analysis / Earned Value	63
7.7.3. Quality Controlling	64
7.7.4. Versioning	64
7.7.5. Milestone Controlling	65
7.8. Portfolio Controlling	66
7.8.1. Performance Measurement	66
7.8.2. Dashboard	66
7.8.3. Organizational and Portfolio Budget Controlling	68
7.9. Program Termination	68
7.9.1. Knowledge Portal	69
7.9.2. Competence Database / Yellow Pages	69
7.9.3. Project Archiving	69
7.9.4. Searching	70
7.10. Project Termination	71
7.10.1. Invoicing	71
7.10.2. Document Management	71
7.10.3. Supplier Management	72
7.10.4. Help Desk / Support Request Management	72
7.11. Administration / Configuration / Usability	73
7.11.1. Workflow Management	73
7.11.2. Access Control	74
7.11.3. Report Development	74
7.11.4. Form Development	75
7.11.5. User-defined Data Structures	75
7.11.6. Microsoft Interfaces	77
7.11.7. User Interface	77

II. Market Overview **79**

8. Research Design	81
8.1. Selection of Systems and Research Process	81

8.2. Derivation of Evaluation Criteria	82
8.3. Evaluation of Systems	82
8.4. Aggregation of the Assessment Results	83
8.5. Structure of the Product Descriptions	83
9. Product Assessments	85
9.1. 3pleP Project Suite	86
9.2. admileo	96
9.3. Augeo6	106
9.4. aXc-Project	116
9.5. Blue Ant	126
9.6. CA Clarity PPM	136
9.7. Can Do project intelligence	147
9.8. Cat4	157
9.9. Collinor	166
9.10. Deltek Vision	186
9.11. GBS Project Management	194
9.12. HP Project and Portfolio Management (PPM) Center	204
9.13. iPlan	216
9.14. KLUSA	226
9.15. Microsoft Project Server	238
9.16. onepoint PROJECTS	248
9.17. Oracle Primavera P6 Enterprise PPM	257
9.18. Planisware 5	268
9.19. PLANTA Project	280
9.20. Planview Enterprise	290
9.21. Projectile	300
9.22. Projektron BCS	310
9.23. hyperManager / resSolution	320
9.24. RPLAN	330
9.25. SAP Portfolio and Project Management, SAP ERP	340
9.26. saprima	350
9.27. Sciforma	359
9.28. Top-Logic Project	370
10. Product Comparison	381
10.1. Project Lifecycle Support	382
10.2. Functional Focus Analysis	385
10.3. Maturity Analysis	387
III. Appendix	389
A. About the Authors	391
B. Assessment System	393
B.1. Project Lifecycle Support Weights (M-Model)	393
B.2. Functional Focus Analysis	395
B.3. Maturity Profile Analysis	399
C. Abbreviations	403
D. List of Figures	405
E. Index	409
F. Bibliography	411