

## Content

Introduction .....	4
1 Theoretical basis for the modernization planning at the enterprise in terms of a competitive economy .....	6
1.1 The objective necessity of planning as a function and method of operation of business .....	6
1.2 Modernization as a tool for development planning at the enterprise in the conditions of market relations .....	18
1.3 Background and trends of modernization planning mechanism in the enterprise .....	28
2 Methodology of the concept of modernization planning tool building enterprises .....	44
2.1 Analysis of the state of mechanical engineering and planning them .....	44
2.2 Methods of modernization planning in enterprises aimed at improving the competitiveness of.....	60
2.3 Toolkit, which provides modernization enterprise planning .....	74
3 Priorities and integration planning in the engineering cluster .....	89
3.1 System- process approach to modernization planning in the engineering cluster .....	89
3.2 Model modernization planning on building enterprises , forming a cluster	102
3.3 Consolidated plan engineering cluster.....	117
Conclusion .....	135
List of sources used.....	139
Appendix A - Models modernization.....	155
Appendix B - Functions modernization group.....	159
Appendix C – Profile.....	160
Appendix D - Basics NP "Control Center".....	166
Appendix E - Technological equipment produced cluster.....	168
Appendix F.1 - Dining clustering.....	173
Appendix G.1 - Matrix circuit aggregation first version of the plan.....	176
Appendix G.2 - Aggregation matrix circuit of the second version of the plan.....	177