

## Table of contents

<b>Vorwort .....</b>	<b>5</b>
<b>Abstract .....</b>	<b>6</b>
<b>Table of contents.....</b>	<b>7</b>
<b>List of figures .....</b>	<b>14</b>
<b>List of tables .....</b>	<b>16</b>
<b>List of abbreviations.....</b>	<b>17</b>
<b>1 Introduction .....</b>	<b>19</b>
1.1 Relevance of subject .....	19
1.2 Research problem and objectives.....	20
1.3 Approach and structure of research .....	23
<b>2 Description of phenomenon.....</b>	<b>27</b>
2.1 Traditional network carriers: high service level and global scale .....	27
2.2 Changes in demand and regulation .....	30
2.3 Low-cost carriers: a simple offering at a low price and low costs .....	34
2.3.1 Overview .....	34
2.3.2 Internal view: sources of unit cost advantage.....	36
2.3.3 External view: a simplified service offering.....	39
2.3.4 Feature comparison of network and low-cost business models .....	41
2.3.5 Observed variations among LCC.....	42
2.4 New competitive realities.....	44
<b>3 Theoretical foundation.....</b>	<b>47</b>
3.1 Overview of relevant literature .....	47
3.2 Key definitions.....	50
3.3 Review of core theoretical concepts .....	55
3.3.1 Disruptive innovation theory (Christensen et al.).....	55
3.3.1.1 Description and main assumptions.....	55
3.3.1.2 Explaining typical incumbent response behavior .....	59
3.3.1.3 Normative response recommendations from theory .....	65

3.3.2 Responses to disruptive strategic innovations (Charitou/Markides) .....	69
3.3.2.1 Overview and approach.....	69
3.3.2.2 Explaining typical incumbent response behavior .....	69
3.3.2.3 Normative response recommendations from theory .....	72
3.3.3 Explanation model of inertia (Gilbert).....	75
3.3.3.1 Overview and main assumptions.....	75
3.3.3.2 Explaining typical incumbent response behavior .....	76
3.3.3.3 Normative response recommendations from theory .....	80
3.3.4 Explanation model of incumbent failure (Vlaar et al.).....	82
3.3.4.1 Overview and main assumptions.....	82
3.3.4.2 Description of causes and moderating factors .....	83
3.3.4.3 Discussion of results.....	84
3.3.5 Top management team moderators on framing effect (König et al.) .....	86
3.3.5.1 Overview and main assumptions.....	86
3.3.5.2 Proposed moderators of framing effect.....	87
3.3.5.3 Normative response recommendations from theory .....	88
3.3.6 Upper echelons theory (Hambrick/Mason/Finkelstein).....	91
3.3.6.1 Executive impact in organizations .....	91
3.3.6.2 Detailed description of theoretical model .....	93
3.3.6.3 Modeling the behavior of top management teams .....	95
3.4 Synthesis of disruptive potential of LCC phenomenon.....	97
3.4.1 Existing perspectives in literature.....	97
3.4.2 Rationale based on definition of DSI.....	99
3.4.3 Conclusion .....	108
3.5 Remaining open questions from literature review.....	109
3.6 Derivation of analytical model for empirical investigation.....	111
3.6.1 Theory-informed inductive approach .....	111
3.6.2 Research model.....	112
<b>4 Methodology of empirical investigation.....</b>	<b>117</b>
4.1 Overview.....	117

4.2	Choice of research design .....	117
4.3	Case study research design .....	120
4.4	Research approach .....	122
4.4.1	Structuring the research problem .....	122
4.4.2	Selection of case sample .....	124
4.4.3	Data collection .....	129
4.4.4	Analysis and synthesis of data .....	135
4.4.4.1	Evolutionary case write-ups .....	136
4.4.4.2	Coding and structural content analysis .....	137
4.4.4.3	Within and cross-case analyses .....	140
4.4.5	Interpreting results and developing hypotheses.....	141
4.5	Ensuring validity and reliability of research.....	141
4.5.1	Overview and common criticism of case study method.....	141
4.5.2	Construct validity .....	142
4.5.3	Internal validity .....	143
4.5.4	External validity.....	144
4.5.5	Reliability.....	144
<b>5</b>	<b>Case descriptions and within-case analyses.....</b>	<b>147</b>
5.1	Case description – Austrian Airlines .....	148
5.1.1	Overview .....	148
5.1.2	Phase 1: "Ignore and neglect LCC viability" (2000-2003).....	150
5.1.3	Phase 2: "Differentiation and cost cutting" (2003-2006) .....	152
5.1.4	Phase 3: "Refocus on quality and downsizing" (from 2006).....	155
5.1.5	Synthesis .....	158
5.2	Within-case analysis – Austrian Airlines.....	158
5.2.1	Response strategy.....	158
5.2.1.1	Incumbent inertia and overall success of response .....	158
5.2.1.2	Strategy elements .....	159
5.2.1.3	TMT discussion and framing .....	160
5.2.2	Causal factors for incumbent inertia.....	162
5.2.2.1	Insufficient knowledge.....	162

5.2.2.2 Inadequate self-concept.....	164
5.2.2.3 Internal/external inflexibility.....	167
5.2.2.4 Financial concerns.....	168
5.2.3 TMT moderators on causal factors .....	170
5.2.3.1 Members of TMT .....	170
5.2.3.2 Structure of TMT.....	172
5.2.3.3 Process in TMT .....	173
5.2.4 Summary .....	175
5.3 Case description – Lufthansa .....	176
5.3.1 Overview .....	176
5.3.2 Phase 1: "Ignoring and crowding out" (1998-2002).....	178
5.3.3 Phase 2: "LCC subsidiary and pricing initiatives" (2002-2008) .....	181
5.3.4 Phase 3: "Full realization of LCC challenge" (from 2008) .....	185
5.3.5 Synthesis .....	188
5.4 Within-case analysis – Lufthansa .....	189
5.4.1 Response strategy.....	189
5.4.1.1 Incumbent inertia and overall success of response .....	189
5.4.1.2 Strategy elements .....	190
5.4.1.3 TMT discussion and framing .....	191
5.4.2 Causal factors for incumbent inertia.....	192
5.4.2.1 Insufficient knowledge.....	192
5.4.2.2 Inadequate self-concept.....	194
5.4.2.3 Internal/external inflexibility.....	197
5.4.2.4 Financial concerns.....	199
5.4.3 TMT moderators on causal factors .....	201
5.4.3.1 Members of TMT .....	201
5.4.3.2 Structure of TMT.....	203
5.4.3.3 Process in TMT .....	205
5.4.4 Summary .....	206
5.5 Case description – Iberia.....	206
5.5.1 Overview .....	206

5.5.2 Phase 1: "Conscious ignorance of growing LCC threat" (2000-2004) ..	209
5.5.3 Phase 2: "Launch of own LCC after fierce LCC expansion" (from 2004) .....	211
5.5.4 Synthesis .....	214
5.6 Within-case analysis – Iberia .....	215
5.6.1 Response strategy.....	215
5.6.1.1 Incumbent inertia and overall success of response .....	215
5.6.1.2 Strategy elements .....	215
5.6.1.3 TMT discussion and framing .....	216
5.6.2 Causal factors for incumbent inertia.....	217
5.6.2.1 Insufficient knowledge.....	217
5.6.2.2 Inadequate self-concept.....	219
5.6.2.3 Internal/external inflexibility.....	221
5.6.2.4 Financial concerns.....	222
5.6.3 TMT moderators on causal factors .....	222
5.6.3.1 Members of TMT .....	222
5.6.3.2 Structure of TMT.....	225
5.6.3.3 Process in TMT .....	226
5.6.4 Summary .....	227
5.7 British Airways .....	228
5.7.1 Overview .....	228
5.7.2 Phase 1: "Ignoring threat at home, but venturing abroad" (1995-1997)	230
5.7.3 Phase 2: "Launch of LCC subsidiary" (1997-2001) .....	232
5.7.4 Phase 3: "Divesture of LCC subsidiaries and focus on core" (from 2001) .....	234
5.7.5 Synthesis .....	238
5.8 Within-case analysis – British Airways.....	238
5.8.1 Response strategy.....	238
5.8.1.1 Incumbent inertia and overall success of response .....	239
5.8.1.2 Strategy elements .....	240
5.8.1.3 TMT discussion and framing .....	240

5.8.2 Causal factors for incumbent inertia.....	242
5.8.2.1 Insufficient knowledge.....	242
5.8.2.2 Inadequate self-concept.....	243
5.8.2.3 Internal/external inflexibility.....	244
5.8.2.4 Financial concerns.....	246
5.8.3 TMT moderators on causal factors .....	246
5.8.3.1 Members of TMT .....	246
5.8.3.2 Structure of TMT.....	248
5.8.3.3 Process in TMT .....	248
5.8.4 Summary .....	249
<b>6 Cross-case analysis and results .....</b>	<b>251</b>
6.1 Response strategies (RQ 1).....	251
6.1.1 Response process and success .....	251
6.1.2 Routine rigidity at case sites .....	255
6.2 Causal factors for incumbent inertia (RQ 2).....	256
6.2.1 Summary .....	256
6.2.2 Knowledge insufficiencies.....	257
6.2.3 Inadequate self-concept .....	260
6.2.4 Internal & external inflexibilities.....	264
6.2.5 Financial concerns .....	268
6.3 TMT moderating factors (RQ 3).....	271
6.3.1 Summary .....	271
6.3.2 Members of TMT.....	271
6.3.3 Structure of TMT .....	277
6.3.4 Process of TMT.....	281
6.4 Summary of research findings .....	286
<b>7 Discussion.....</b>	<b>289</b>
7.1 Research contributions.....	289
7.2 Management implications .....	291
7.3 Limitations of research.....	295
7.4 Subjects for further research .....	297

7.5 Closing comments.....	298
<b>Appendix .....</b>	<b>301</b>
<b>Bibliography.....</b>	<b>331</b>