TABLE OF CONTENTS

PREFACE / 7

1. LOGISTICS AS A SOURCE OF COMPETITIVENESS / 11

1.1 THE WAY TO WORLD CLASS LOGISTICS / 11

The external circumstances of the origination and development of logistics / 11 Dominance of the market economy and the western lifestyle, individualism / 14 Changes in the ladder of values, lifestyle and the attitude towards work / 15

Turbulent development / 15

Changes in the character of competition / 16

The importance of information is growing / 17

Time as a strategic factor / 20

New corporate strategies / 24

The development of logistics / 26

The new concept of the corporate logistics system / 29

The American concept of logistics / 31

The European concept of logistics / 32

World Class Logistics attributes / 34

1.2 CLIENT SERVICE / 35

The American concept of client service / 36

The European concept of client service / 41

The optimum level of client service / 46 /

11.3 THE CORPORATE LOGISTICS SYSTEM / 47

The logistics system as a multi-system / 47

The process of creating a logistics system / 48

The initial analysis / 49

The loaistics audit / 49

Benchmarking / 49

The company's objectives / 55

The corporate strategy / 55

The objectives of the corporate strategy / 57

Two approaches to the formulation of the corporate strategy / 57

Productivity / 5

The strategy of the corporate logistics system / 64

Feasibility study and detailed solution / 67

The selection of methods / 69

The relation of methods to the steps of the process / 71

Prognostic methods / 72

System-oriented methods / 74

Systematically oriented methods / 80

The methods of selecting options and evaluating effects / 84

Logistics controlling / 88

Preconditions for success / 90

Feasible effects / 91

Logistics reengineering / 92

Logistics in the Central European region and in Eastern Europe / 100

Differentiation of logistics services / 102

1.4 THE TOTAL SUPPLY CHAIN CONCEPT / 104

Logistics chain, supply chain / 104 Logistics channel / 104 Flexibility / 110 Logistical functions / 110 Conflicting objectives of corporate departments / 111 Integrated logistics / 113 The components of logistics and logistics management / 113 The types of logistics chains / 119 Chain effects / 122 Logistics chains in multinational companies / 126 Globalisation / 130 Logistics and the environment / 132

Logistics and European transport policy / 149 Zone arrangement in Europe / 158

1.5 SPECIFIC PROBLEMS OF LOGISTICS CHAINS / 163 The beginning of logistics activities / 163 Time compression / 163 Concurrent engineering / 165 Sequential engineering / 165 New tendencies in manufacturing / 170 The logistics typology of production / 170 The arrangement of manufacturing workstations / 171 "Postmodern factory" / 173 The factory of the future / 175 Production planning and control / 178 Manufacturing Resources Planning / 182 Distribution Resources Planning / 183 Planning in a closed circle / 184 Enterprise Resources Planning / 192 Specialised application software / 194 Advanced planning and Scheduling / 195 Data Warehouse and software for forecasting / 196 Decoupling point / 197 The end of logistical activities / 202 Trade Load / 202 The structure of distribution and trade logistics chains / 204 Multi-level warehousing / 206

1.6 LOGISTICAL TECHNOLOGIES / 213

The establishment of handling groups / 213 Kanban / 218 Just in Time / 219 Quick Response / 222 Efficient Consumer Response / 222 Hub and Spoke / 224

Concentration of warehouse networks and centralisation of warehouses / 226

Combined transport / 229

Automatic identification / 240

Information and communication technologies / 247

Computer integrated technologies / 259

Excursus: Logistics chains in the automotive industry / 260

Case studies: Ford Motor Company / 294

Mazda Motor Corporation / 298

Mazda. The history of performance growth / 301

Seat Martorello / 304

Chrysler Graz - Eurostar / 305

Elimination of waste through the adoption

of the Toyota Production System / 307

The Rover Group / 310

The Volvo engine production plant in Skövde / 311

Peguform-Werke GmbH Neustadt an der Donau / 314

Volkswagen Wolfsburg / 317

Isri France Lemao / 318

Mazda Motor Parts Center Willebrök / 319

Adam Opel AG / 327

The sea container terminal in Singapore / 328

2. LOGISTICS AS PARTNERSHIP / 331

2.1 OUTSOURCING IN LOGISTICS / 331

Outsourcing versus insourcing / 331

Strategic alliances / 331

The structure of logistics management positions affected by outsourcing / 335

2.2 STRATEGIC ALLIANCES WITH SUPPLIERS / 343

Outsourcing in purchasing and supply / 343

The relations within logistics, purchasing and supply / 344

Strategic alliances with suppliers / 345

The selection of suppliers / 346

The purchasing and supply strategy / 348

T in supply chains / 354

2.3 STRATEGIC ALLIANCES WITH LOGISTICS PROVIDERS / 360

Logistics providers / 360

Logistics companies / 361

Strategic alliances with logistics providers / 361

Transport-related services / 363

Forwarders / 365

The selection of a forwarder / 367

The selection of a transport company / 368

The goods owners'- consignors' views / 369

2.4 CULTURE AND CULTURAL MANAGEMENT AS A FUTURE CHALLENGE FOR SUCCESS / 381

The fundamental factors for a company culture / 383

Cross - cultural management in logistics on a global market / 384

Cultural leadership in logistics companies / 389

Vision, strategy and human resources / 390

Guidelines for human resources development / 391

Human resources policy / 393

Identification of staff potential / 394

An implementation concept for human resources in logistics / 400

A lifetime learning company and the management of change / 409

Excursus: Incoterms 2000. The international rules for the interpretation of delivery terms. The transfer of costs and risks. / 411

Case studies: ERF/LYNX / 420

Horst Mosolf GmbH & Co Internationale Spedition / 422

LIST OF TABLES / 427
LIST OF ILLUSTRATIONS / 428
LIST OF REFERENCES TO LITERATURE / 434
INDEX / 438