

TABLE OF CONTENTS

| | | | |
|---|-----------|---|------------|
| EXECUTIVE SUMMARY..... | 6 | 3.9 Consumption trends - Vehicles, Equipment and batteries accumulators..... | 90 |
| INTRODUCTION..... | 8 | 3.10 Consumption trends - Batteries..... | 91 |
| 1. GENERAL INFORMATION..... | 9 | 3.11 Consumption trends - Electrical and electronical equipment..... | 92 |
| 1.1 Industry definition..... | 10 | 3.12 Consumption trends - Construction(ECDW).... | 94 |
| 1.2 Industry general facts & figures..... | 16 | 3.13 Health care units waste(WSU)..... | 95 |
| 1.3 Industry characteristics..... | 17 | 3.14 Health care units..... | 98 |
| 2. INSTITUTIONAL FRAMEWORK..... | 24 | 3.15 Effects of Covid-19..... | 101 |
| 2.1 Greek legislation..... | 25 | 4. SUPPLY..... | 104 |
| 2.2 European legislation..... | 47 | 4.1 Supply structure..... | 105 |
| 2.3 L.A..... | 55 | 4.2 Approved alternative management systems..... | 106 |
| 2.4 S.W.M.B..... | 62 | 4.3 Major waste management companies..... | 108 |
| 2.5 Operators CAMS-IAMS..... | 69 | 4.4 Turnover growth of major waste management companies (2014-2018)..... | 114 |
| 3. DEMAND..... | 74 | 4.5 Ranking of major companies on turnover 2018 | 119 |
| 3.1 Determinants of demand..... | 75 | 4.6 Financial analysis of the industry (2010-2018).... | 122 |
| 3.2 Analysis of selected determinants of demand... | 77 | 4.7 Comparison of groups of companies' financial indicators (2018)..... | 129 |
| 3.3 Demographic characteristics..... | 80 | 4.8 Consolidated balance sheet Assets-Liabilities structure..... | 131 |
| 3.4 Overview of the waste production and origin.... | 82 | 4.9 Companies financial results growth..... | 132 |
| 3.5 Waste production per category..... | 83 | | |
| 3.6 Consumption trends - Packaging..... | 85 | | |
| 3.7 Consumption trends – Vehicles..... | 86 | | |
| 3.8 Consumption trends – Tires..... | 88 | | |

TABLE OF CONTENTS

| | | | |
|--|-----|--|-----|
| 4.10 Comparative assessment of leading companies' financial indicators (2018)..... | 136 | 6.12 Porter's five forces..... | 183 |
| 5. VALUATION OF COMPANIES OF THE INDUSTRY.. | | 7. EUROPEAN MARKET..... | 190 |
| 5.1 Valuation methodology..... | 140 | 7.1 Total waste production in the EU-28..... | 191 |
| 5.2 Valuation of companies of the industry (2014-2018)..... | 141 | 7.2 Waste generation per capita in the EU-28..... | 192 |
| 6. MARKET..... | | 7.3 Evolution - Waste origin in the EU-28..... | 193 |
| 6.1 Waste and origin..... | 142 | 7.4 Non-hazardous and hazardous waste production in the EU-28..... | 194 |
| 6.2 Routes of waste management..... | 143 | 7.5 Municipal waste production in the EU-28..... | 195 |
| 6.3 Packaging waste /Recyclable Materials stream.. | 145 | 7.6 Municipal waste management in the EU-28..... | 197 |
| 6.4 End Life Cycle Vehicles (ELV) waste stream..... | 146 | 7.7 Waste data per stream - Packaging..... | 199 |
| 6.5 Tires waste stream..... | 150 | 7.8 Waste data per stream - ELV (End of Life | |
| 6.6 Lubricant oils waste stream..... | 164 | Vehicles)..... | 200 |
| 6.7 Batteries and accumulators (WB & A) waste stream | 166 | 7.9 Waste data per stream -Tires..... | 201 |
| 6.8 Electrical and Electronic Equipment (WEEE) waste stream..... | 170 | 7.10 Waste data per stream - Waste oils..... | 203 |
| 6.9 Excavation Construction & Demolition Waste stream..... | 174 | 7.11 Waste data per stream – Batteries and accumulators..... | 204 |
| 6.10 Production of dangerous health care units waste..... | 178 | 7.12 Waste data per stream - WEEE..... | 205 |
| 6.11 Waste management domestic market size (2011-2019)..... | 181 | 7.13 Waste data per stream - ECDW..... | 209 |
| | 182 | 7.14 EU-28 indicators for a Circular Economy..... | 210 |
| | | 7.15 Objectives per waste stream..... | 212 |
| | | 7.16 United Nations Sustainable Development Goals..... | 217 |

TABLE OF CONTENTS

| | |
|---|-----|
| 8. CONCLUSIONS-PROSPECTS..... | 218 |
| 8.1 SWOT Analysis..... | 219 |
| 8.2 Main findings – Prospects..... | 220 |
| APPENDIX | |
| Financial indicators of companies of the industry (2010-2018)..... | 224 |
| A. Capital structure and financial leverage indicators..... | 225 |
| B. Liquidity indicators..... | 249 |
| Γ. Activity indicators..... | 257 |
| Δ. Performance indicators..... | 277 |
| Financial formulas..... | 297 |
| SOURCES & BIBLIOGRAPHY..... | 298 |