

Table of Contents

PART 1: INDUSTRY OVERVIEW, TRENDS AND OUTLOOK

1.1 Overview of Mobility-as-a-Service (MaaS) 88

1.1.1	Overview of Existing and Upcoming MaaS Deployments in 100 Cities	9
1.1.2	Key Emerging Trends and Outlook for the Next Decade	11
1.1.3	Trends in Ridership	13
1.1.4	Possibilities Offered by MaaS	14
1.1.5	MaaS Levels	16
1.1.6	Benefits of MaaS	17
1.1.7	MaaS Ecosystem	18
1.1.8	Infrastructure for MaaS	20
1.1.9	Business Model	21
1.1.10	Pricing for MaaS	24
1.1.11	Financing MaaS	28
1.1.12	Impact on Transit Ridership due to MaaS	30
1.1.13	Impact on Authorities' Revenue and Farebox Collection	31

1.2 Government Initiatives, Policies and Standards 32

1.2.1	European Commission's Initiatives	33
1.2.2	Update on Key Projects under Horizon 2020 - MyCorridor, iMOVE and MaaS EU	35
1.2.3	MaaS under Shift2Rail - Shift2MaaS	40
1.2.4	Smart Cities and MaaS	42
1.2.5	National Policies	49
1.2.6	Open Data Initiatives	50
1.2.7	Open Standards for Transport and Mobility Account Interoperability	52

1.3 Recent Developments 54

1.3.1	Recent Announcements	55
1.3.2	Recent Contracts Awarded	59
1.3.3	Recent Launches	61
1.3.4	Recent Pilot Projects	64
1.3.5	Recent Collaborations	68

1.4 Ticketing and Payment Solutions for MaaS 70

1.4.1	Overview	71
1.4.2	Role of ABT	72
1.4.3	Approach towards establishment of a single payment channel	74
1.4.4	Integration of Mass Transit Ticketing into Third-Party Mobility Apps	75
1.4.5	Key Case Studies	76

1.5 Integration and Interoperability 77

1.5.1	Overview	78
1.5.2	Integration Across Public Transport Modes	79
1.5.3	Integration Amongst Public Transport Operators	80
1.5.4	Integration Amongst Public and Private Transport Operators	81
1.5.5	Regional Integration	82
1.5.6	Integration With Non-transit Services	83

1.6 Outlook and Opportunities 84

1.6.1	Key growth drivers	85
1.6.2	Market outlook for MaaS	86
1.6.3	Market Outlook for Shared Mobility and On-demand Mobility	88
1.6.4	Plans of Cities to Deploy MaaS	89
1.6.5	Plans for Deployment of Advanced Fare Media	96
1.6.6	Plans for Establishment of a Single Payment Channel	98
1.6.7	Outlook for ABT and Open Payments Systems	100
1.6.8	Risks and Challenges	102
1.6.9	Impact of COVID-19 on MaaS	103

1.7 Analysis of Regional Initiatives and Opportunities 108

1.7.1	North America	109
1.7.2	Latin America	112
1.7.3	Asia Pacific	113
1.7.4	Europe	116
1.7.5	Middle East and Africa	120

1.8 Analysis by MaaS levels 121

1.8.1	Overview of MaaS levels	122
1.8.2	Cities at Level 1	123
1.8.3	Cities at Level 2	124
1.8.4	Cities at Level 3	125

1.9 1.9 Spotlight on Key Countries 126

1.9.1	Australia	127
1.9.2	Belgium	130
1.9.3	Finland	132
1.9.4	France	135
1.9.5	Germany	139
1.9.6	Japan	143
1.9.7	The Netherlands	146
1.9.8	Singapore	148
1.9.9	South Korea	151
1.9.10	Spain	155
1.9.11	Sweden	157
1.9.12	Taiwan	160
1.9.13	United Kingdom	163
1.9.14	United States	167

1.10 Key MaaS Players 170

1.10.1	Introduction	171
1.10.2	Key MaaS Players	172
1.10.3	Industry Outlook	186