Contents

1	Summary	6
2	Introduction	8
	2.1 Motivation and aims	8
	2.2 The topics	8
	2.3 The dialogue process	10
3	Urbanization, megacities and agglomerations	11
	3.1 Trends	11
	3.2 Challenges	18
	3.3 Opportunities for the automation industry	22
4	Case studies	26
	4.1 Shanghai — the dragon head of PR China's development model	26
	4.2 Abu Dhabi and Dubai – oil revenue driven development in the Middle East	28
-		
5	Future markets for the automation industry 5.1 Urban planning: Visions and paradigms	30
	5.2 Energy infrastructure	30 33
	5.3 Water infrastructure	40
	5.4 Transport infrastructure	45
	5.5 Digression: cross-cutting issues	51
6	Strategic challenges	54
	6.1 Identifying megacities as gateways to future markets6.1.1 Urban Growth in China	54
		54
	6.1.2 MENASA: water poor and rich in fossil fuels6.1.3 Megacities as gateways to their hinterlands	55 57
	6.1.4 The role of regional differences	58
	6.2 Key technologies for megacities	59
	6.3 Wild cards: Thinking the improbable	61
	6.4 Doing business in megacities abroad	63
	6.4.1 Hard facts and soft skills	63
	6.4.2 Strategic partnerships to benefit from public infrastructure investment	64
	6.4.3 AHK and other assistance	65
	6.5 Recommendations	66
7	Annexes	68
•	7.1 References	68
	7.2 Abbreviations	70
	7.3 Participants of the Megacity Workshop	72
	7.4 Delegation Journey to Shanghai	73
	7.5 Delegation Journey to Abu Dhabi / Dubai	73
	7.6 Population data for 98 big cities	74