Arthur D'Little

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Arthur D. Little Global M-Payment Report

Key Questions

- What categories of m-payment are emerging on the national markets?
- What potential roles and responsibilities can the various players in the value chain take?
- Where in the world can we find best practise m-payment solutions?



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- Strategy consulting
- Global network with more than 1.000 consultants
- www.adl.com and www.adlittle.de

- Global network with more than 200 High Tech consulting companies and with 18.000 consultants worldwide
- Listed on the Paris stock exchange
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Definition

We define m-payment as third party retail billing

... and m-commerce as a subset of m-payment, where the mobile handset is part of the service delivery



Agenda

Introduction
The current m-payment market
Making m-payment a reality





Agenda

1 Introduction

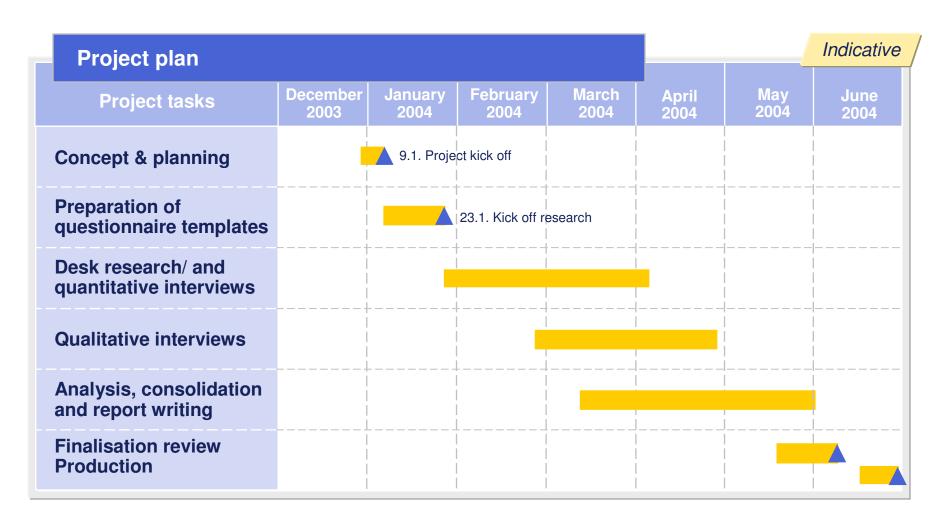
2 The current m-payment market

3 Making m-payment a reality





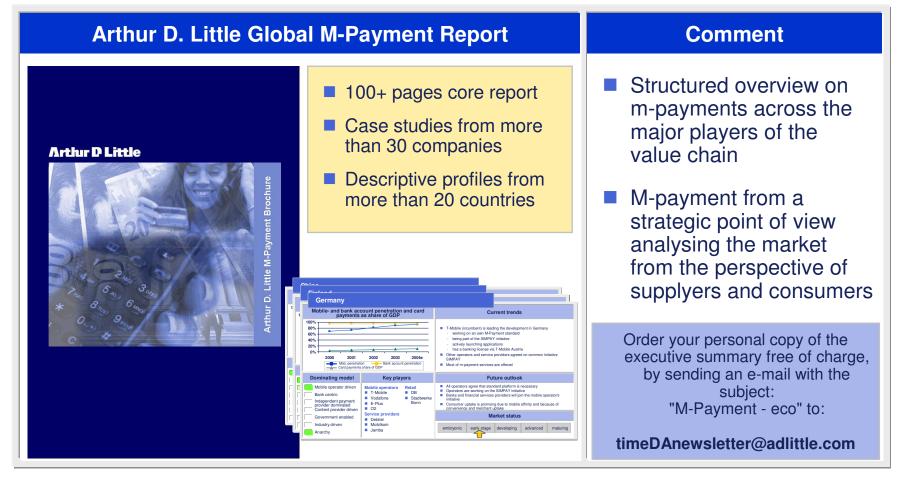
The project was started in January and is now entering the production phase





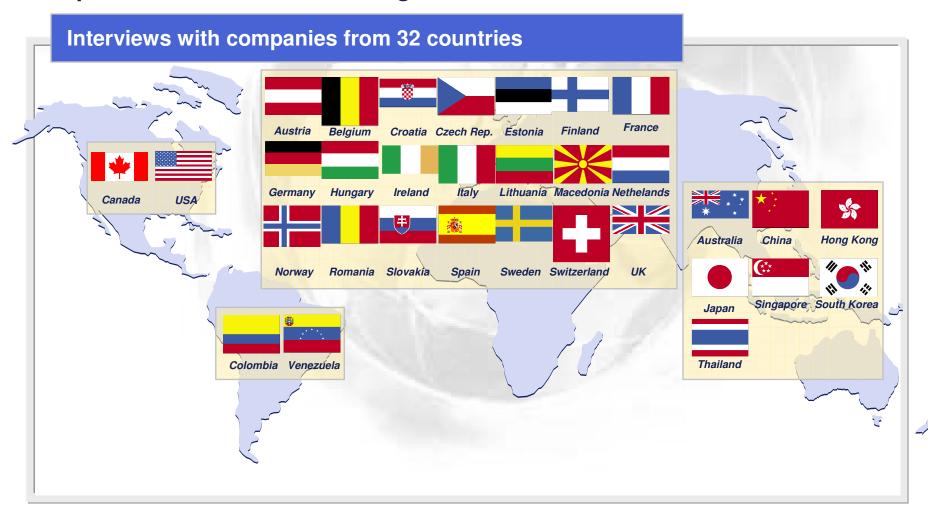


The Arthur D. Little Global M-Payment Report contains more than 100 pages core report, case studies from more than 30 companies, profiles of more than 20 countries, etc.





We have conducted more than 100 interviews with m-payment experts from companies in 32 countries throughout the world







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Telecom and mobile portal related channel will bear mainly payments of small size while the online and face to face channels mainly will contain macro payments



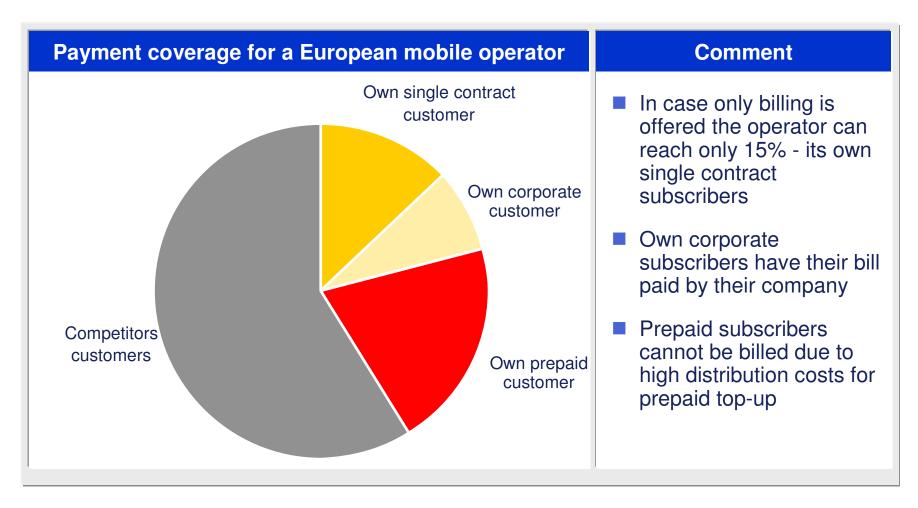


There are three pure m-payment models all of which enable different combinations of pre-paid, debit and credit payments

M-payment models Micro payments (<10 €), e.g. m-parking, metro tickets, etc.</p> Pre-paid Purchase charged **Billing** to mobile phone bill Post-paid Macro payments (>10 €), e.g. event tickets, m-shopping, etc. Debit cards Payment with cards or bank **M**-enabling account enabled via mobile - Credit cards ■ Micro payments (<10 €)</p> Macro payments (>10 €) Payment from a - Pre-paid (SVA) Direct debit separate electronic account M-wallet associated with bank account Debit cards mobile phone Credit cards

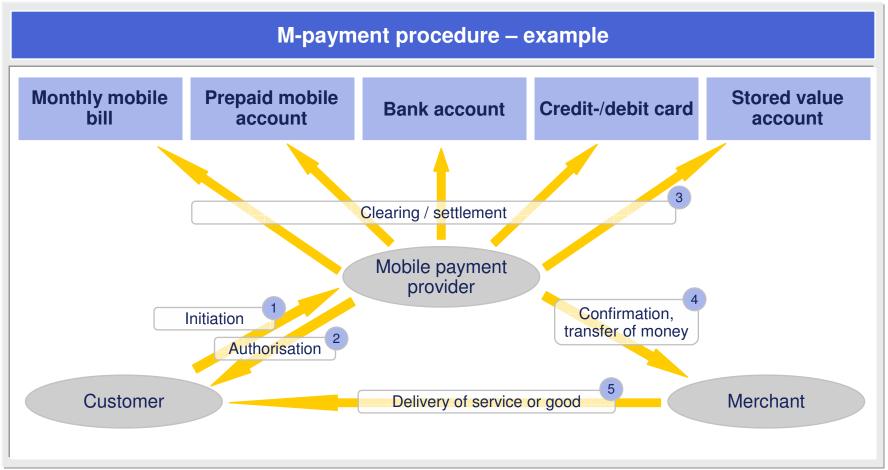


One sample European mobile operator would reach only 15% of the mobile customers in case only mobile billing was offered



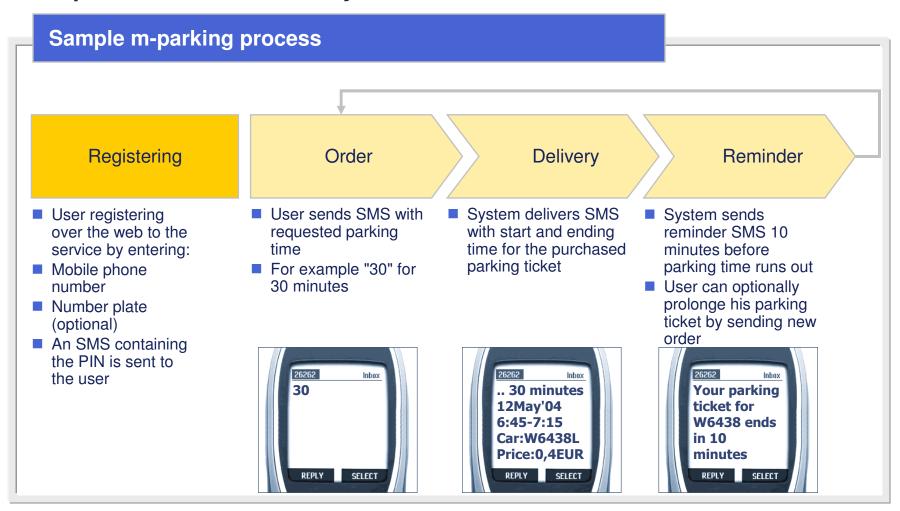


A full m-payment procedure contains initiation, authorisation, clearing / settlement, confirmation and money transfer, and delivery of the service or good



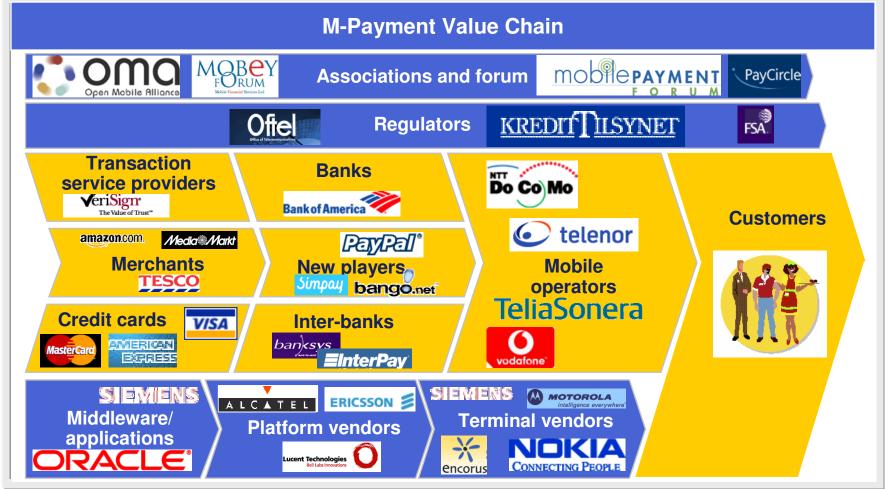


M-parking solutions can be designed in a userfriendly way, with a minimum of steps from order to delivery

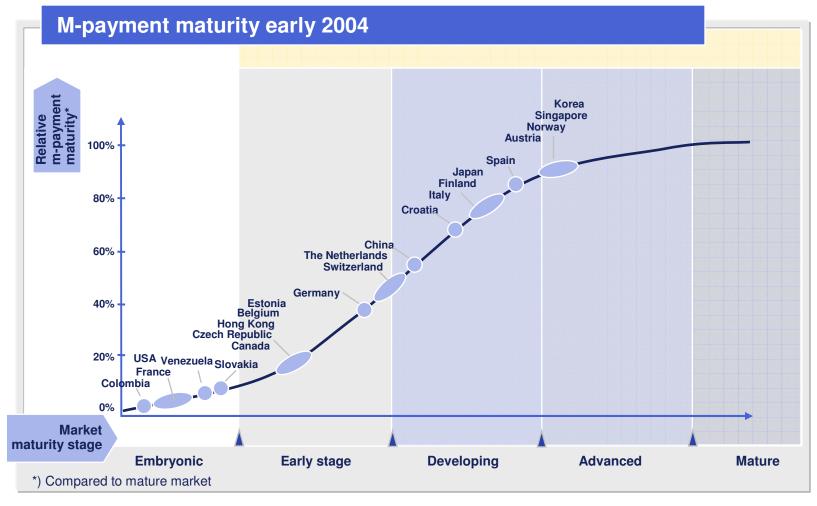




The m-payment value chain involves a larger number of players than the traditional method of payment and introduces changes in the role that each of them plays



Korea, Singapore, Norway and Austria are considered to have the most advanced m-payment markets







We have identified seven models corresponding to the current market stage of the different national m-payment markets

Model	Key players								
	MNO	Bank	Credit card	Indep. PSP	Content	Media	Gov't	Retail	Hand- set
Mobile operator driven									
Bank centric									
Independent payment service provider									
Content aggregator / media driven									
Government supported									
Industry driven									
Anarchy	-								





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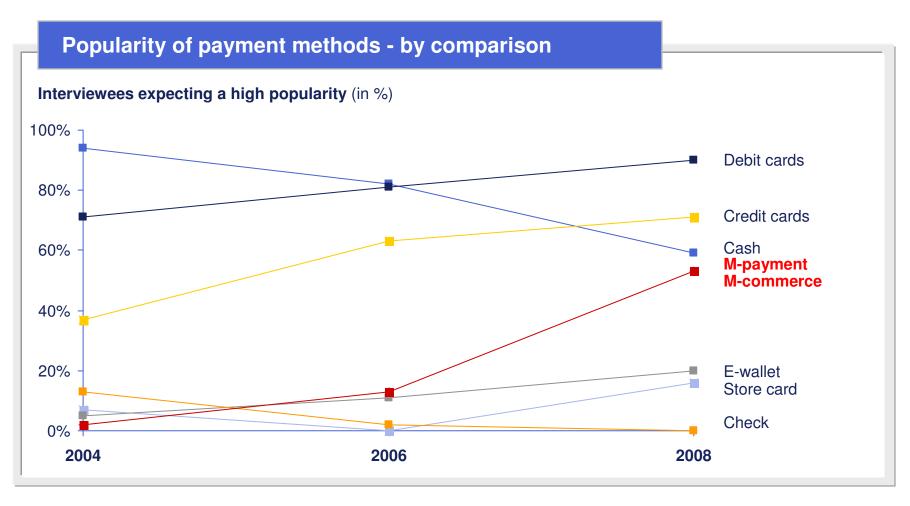
The current m-payment market

3 Making m-payment a reality





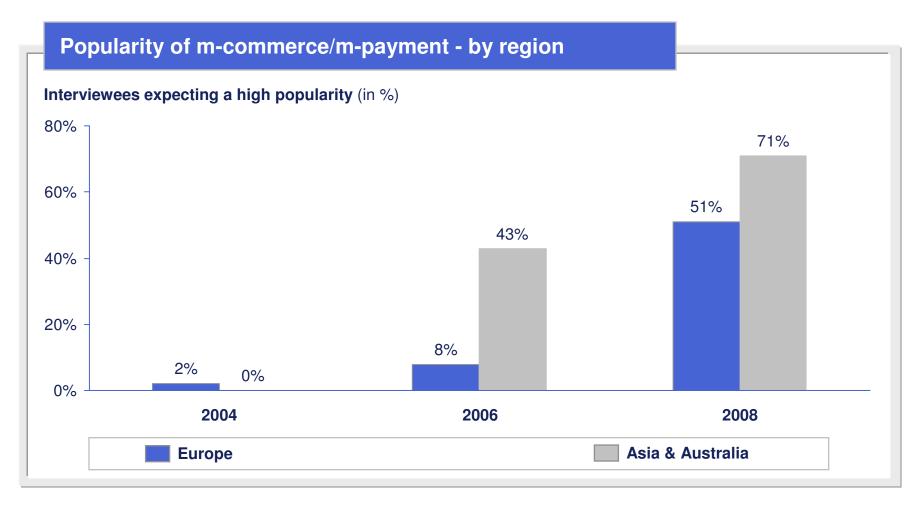
More than half of all interviewees expect popularity of m-payment to have taken up in 2008 taking market share mainly from cash







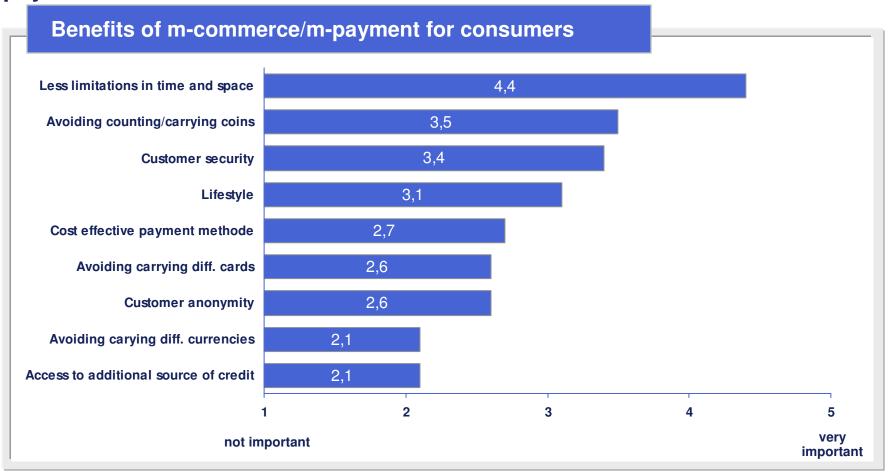
Significantly earlier uptake is expected in Asia, while no major differences were identified between Western and Eastern Europe







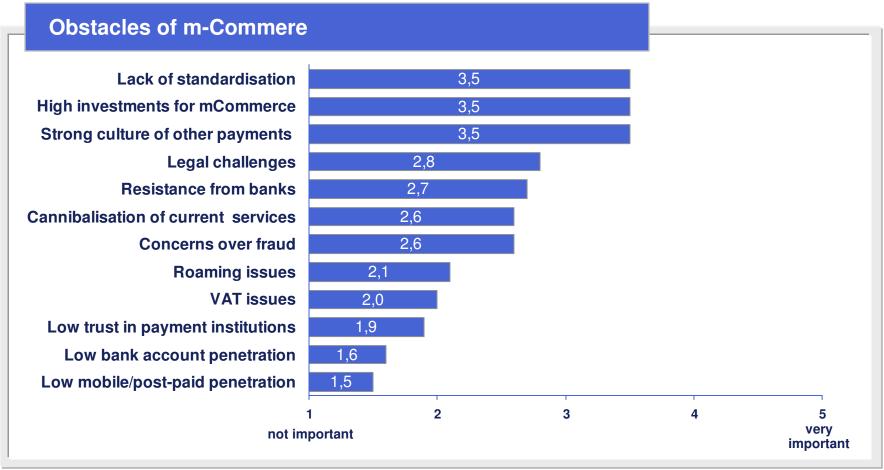
Convenience in the form of less limitations in time and space and avoiding carrying coins is expected to be the major benefit of m-commerce/mpayment for consumers







Major obstacles for a successful m-commerce market is the lack of standardisation, high investments needed and a strong culture of traditional payments



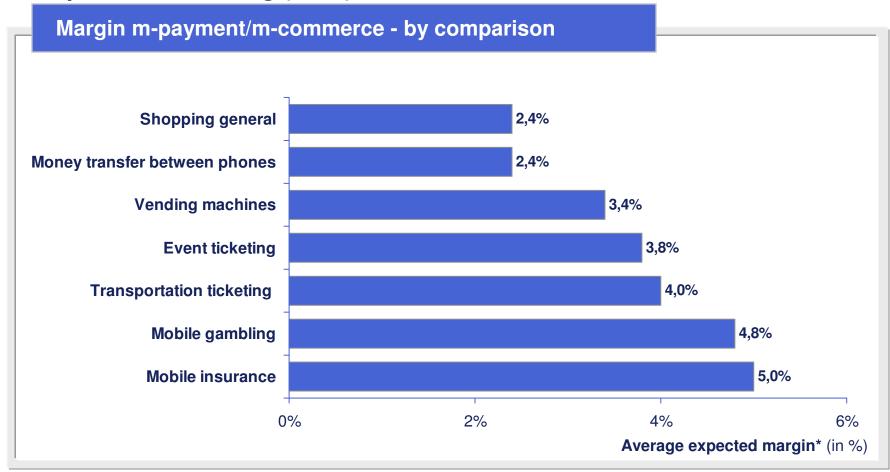




Partnerships are necessary to combine all needed core competencies in mpayments

	MNO	Bank	Credit card	Content aggregator	Start-up provider
Payment relationship					
Mob. access to customers		•		•	•
Large customer base	*	•		•	-
Widespread merchant network	•	•		•	-
Strong brand					-
Trusted third party			•	•	-
Innovator / first mover	•	•	•	•	
Fin. svcs. empower- ment from fin. regul.				<u> </u>	

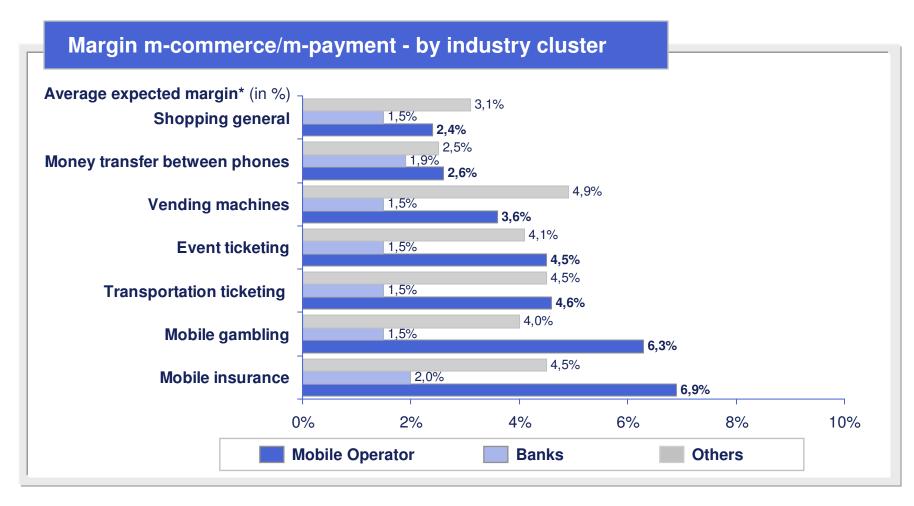
Margin range is expected between 2,4 and 4,8 per cent - most profitable applications comprise mobile insurance (5,0%), mobile gambling (4,8%) and transportation/ticketing (4,0%)







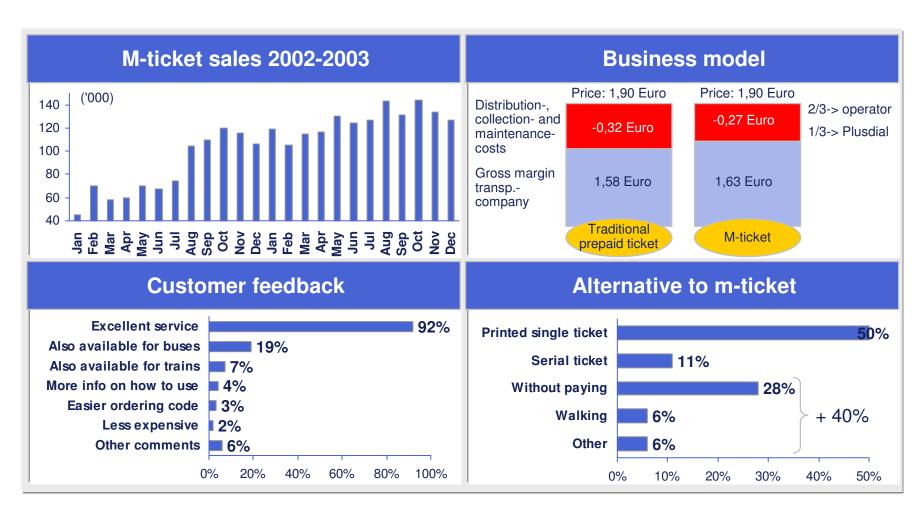
Currently, banks tend to be less optimistic in terms of margins than mobile operators and "Others" are







Plusdial has gained extensive customer acceptance through its m-ticketing service for the public transportation of Helsinki in Finland







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