



DENISE GABER

A TREND INVESTIGATION AND SWOT ANALYSIS BASED  
ON EXAMPLES OF CHINESE PROVIDERS

# LAUNCHING MOBILE PAYMENT SYSTEMS IN THE DACH REGION

**Denise Gaber**

**Launching mobile payment  
systems in the DACH region**

**A trend investigation and SWOT analysis  
based on examples of Chinese providers**

**Bibliografische Information der Deutschen Nationalbibliothek:**

Die Deutsche Nationalbibliothek verzeichnet diese Publikation in der Deutschen Nationalbibliografie; detaillierte bibliografische Daten sind im Internet über <http://dnb.d-nb.de> abrufbar.

**Impressum:**

Copyright © Studylab 2020

Ein Imprint der GRIN Publishing GmbH, München

Druck und Bindung: Books on Demand GmbH, Norderstedt, Germany

Coverbild: GRIN Publishing GmbH | Freepik.com | Flaticon.com | ei8htz

## Descriptors

#mobilepayment #proximitypayment #alipay #wechatwallet #fintech #dachregion #china #comparison #trends #cashless #innovation #SWOT

## **Acknowledgements**

I would like to deeply thank my parents for their patience and my grandparents for always having the best advice for every situation. Without their love and dedication, I would never be who I am today. A special thanks goes to my partner and best friend Moritz, he perfectly knows how to handle me in every emotional state and his support is priceless. I do thank you so much.

## Abstract

**Purpose** – To investigate and understand the trend of proximity mobile payment and its rapid development in China compared to the low adoption rate in Austria, Germany and Switzerland. The purpose of this paper is to further provide a base of information, organized in a SWOT-Analysis to indicate obstacles and to plan implementation and business strategies.

**Design/methodology/approach** – The companies, which serve as a base case are WeChat Wallet and Alipay, therefore they are examined precisely by desk and field research. Additionally, the markets of Germany, Austria, Switzerland and China are studied intensively. The author attended the Mobile in Retail Conference 2018 in Berlin, where she collected information during key notes of stakeholders of the DACH payment market. This analysis follows guidelines of information valuation and organization.

**Findings** – The results show that the market in the DACH region is far more complex than in China and divided by different technologies and providers of PMPS services. The innovation adoption needs to overcome several obstacles like missing alignments, unstandardized technologies and the vacantly ubiquity of proximity payment systems, thus cash is still the most used payment method in DACH. Moreover, m-payment systems are not perceived as trustworthy or secure. In general, the development of the market is detained by poor communication and confusion. However, China turned into an almost cashless society, though the payment market is fully controlled and monitored by the government and the monopoly of Alipay and WeChat.

**Research limitations/ implications** – A trend research needs a constant investigation of the trend development and the degree of change, thus permanent research needs to be done to constantly picture the current trend movement. This paper is limited to the status quo. It is not aiming to portrait e-commerce or e-banking in general.

**Practical implications** – With regard to the practical perspective, the cases of Alipay and WeChat may serve as profound examples of successful product launches and market positioning. Currently, the providers in DACH position their payment products without communicating the additional value to the customer. Therefore, their marketers should rework its marketing and education process to gain the users' trust and to support the implementation. Additionally, an overall alignment of the payment structure could help to manage the users' confusion.

Originality/Value – This paper summarizes and defines the reasons of the low implementation rate of the mobile payment trend in the DACH region, by providing a summary of the main issues and mistakes and the past development of the market by comparing its evolution with the successful Chinese market. Thus, this analysis helps executives to understand their barriers and to build new strategies for a successful product launch.

# Table of Content

<b>Descriptors .....</b>	<b>III</b>
<b>Acknowledgements.....</b>	<b>IV</b>
<b>Abstract.....</b>	<b>V</b>
<b>List of Figures.....</b>	<b>IX</b>
<b>Index of Abbreviations .....</b>	<b>XI</b>
<b>References.....</b>	<b>XIII</b>
<b>1 Introduction.....</b>	<b>1</b>
1.1 Research Background & Objective.....	4
1.2 Research Structure .....	6
<b>2 Theoretical Framework.....</b>	<b>7</b>
2.1 Mobile Payment Definition .....	7
2.2 Mobile Payment Services in the P2B Market – Overview .....	9
2.3 Proximity Mobile Payment Platform– Business Models .....	10
2.4 Proximity Mobile Payment – Technologies.....	12
2.5 Anatomy of Trends & Innovation Adoption.....	16
<b>3 Methodology .....</b>	<b>19</b>
3.1 Concept of Trend Investigation.....	19
3.2 Concept of SWOT-Analysis .....	22
<b>4 Status Quo &amp; Trend Investigation – China vs. DACH Region.....</b>	<b>24</b>
4.1 Cultural Aspects.....	24
4.2 The Past & the Status Quo in China - Economic & Governmental System.....	28
4.3 The Past & the Status Quo in DACH.....	39
4.4 Costumer or Trade - The Chicken or Egg Dilemma in DACH.....	54



4.5 PMPS Provider Landscape – Google and Apple vs. Local Providers (DACH) .....	55
4.6 China vs. DACH Region – A Comparison .....	56
<b>5 Discussion of Findings .....</b>	<b>61</b>
<b>6 The Résumé via SWOT-Analysis – The Launch of M-Payment in DACH.....</b>	<b>65</b>
6.1 Strengths .....	65
6.2 Weaknesses .....	68
6.3 Opportunities .....	71
6.4 Threats .....	74
6.5 Conclusion .....	76
<b>7 Trend Outlook &amp; Research Proposal – DACH.....</b>	<b>78</b>
7.1 Research Limitation.....	81
<b>8 Conclusion .....</b>	<b>83</b>

## List of Figures

Figure 1: Dimensions of Mobile Payment.....	8
Figure 2: P2B Mobile Payment Solution Pillars .....	9
Figure 3: Proximity Mobile Payment Models .....	11
Figure 4: QR code Example .....	14
Figure 5: The NFC Payment Process via Smartphone .....	16
Figure 6: Variables influencing the Rate of Innovation Adoption .....	17
Figure 7: Attributes of Innovation Adoption .....	18
Figure 8: Trend Research Cycle .....	19
Figure 9: Trend Research Keywords .....	21
Figure 10: The Six Cultural Dimensions according to Hofstede.....	25
Figure 11: The Manifestations of Hofstede's Dimensions in DACH.....	26
Figure 12: Cultural Comparison Austria, China, Germany, Switzerland.....	28
Figure 13: WeChat Wallet Services.....	34
Figure 14: Alipay User Interface.....	36
Figure 15: Homeless with QR Code .....	38
Figure 16: Street Food Market & QR Code Payments .....	38
Figure 17: Innovation Diffusion Rate of PMPS .....	39
Figure 18: Why have you not used Mobile Payments in Stores yet? .....	40
Figure 19: Highlights of Mobile Payment Development in Germany in 2018.....	42
Figure 20: Google Pay and Apple Pay User Interfaces.....	43
Figure 21: Google Pay & Apple Pay List of collaborating Banks.....	43
Figure 22: PAYBACK PAY Payment Process.....	45
Figure 23: PAYBACK Pay Partners.....	45
Figure 24: Bluecode's User Interface .....	47
Figure 25: Mobile Payment Applications by Bank Institutions in Austria .....	48
Figure 26: Apple Pay in Switzerland – Collaborating Banks .....	51
Figure 27: Samsung Pay Bank in Switzerland – Collaborating Banks .....	52
Figure 28: Swiss Payment Provider Twint .....	53
Figure 29: SWOT-Analysis Definition.....	65

Figure 30: Top 3 Advantages of Mobile Payment.....	66
Figure 31: Duration of Checkout-Processes by Methods.....	67
Figure 32: Payment Card Ownership in Germany in 2008- 2017 in %.....	69
Figure 33: Preferred Mobile Payment Provider in %.....	73
Figure 34: SWOT-Analysis Summary .....	77

## Index of Abbreviations

AI	Artificial Intelligence
App	Application
Approx.	Approximately
API	Application Programming Interface
B2B	Business-to-Business
CCP	Chinese Communist Party
DACH	Germany, Austria and Switzerland
E-commerce	Electronic Commerce
E.g.	Exempli gratia - for example
Fintech	Financial Technology
FPÖ	Freiheitliche Partei Österreichs (Freedom Party of Austria)
GDP	Growth Domestic Product
IMF	International Monetary Fund
ISP	Independent Service Provider
M-commerce	Mobile Commerce
M-payment	Mobile Payment
MiRC	Mobile in Retail Conference
MSP	Mobile Service Provider
NFC	Near-Field-Communication
ÖVP	Österreichische Volkspartei (Austrian People's Party)
P2B	Person-to-Business
PMPS	Proximity Mobile Payment Systems
POS	Point-of-Sale