

## **GLOBAL MOBILE WALLETS 2017: COMPETITORS AND MARKET OPPORTUNITIES**

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#### **ABOUT YSTATS.COM**

- Founded in 2005 and headquartered in Hamburg, Germany, yStats.com is one of the world's leading secondary market research companies.
- We are committed to providing the most up-to-date and objective data on Global B2C E-Commerce and Online Payment markets to sectorleading companies worldwide.
- · Our multilingual staff researches, gathers, filters and translates information from thousands of reputable sources to synthesize accurate and timely reports in our areas of expertise, covering more than 100 countries and all global regions.
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## GLOBAL MOBILE WALLETS 2017: COMPETITORS AND MARKET OPPORTUNITIES **GENERAL INFORMATION**

Title: Global Mobile Wallets 2017: Competitors and Market Opportunities PRODUCT DETAILS

> Type of Product: Report

Category: Online Payment

Covered Regions: N/A **Covered Countries:** N/A

Language: **English** 

Formats: PDF & PowerPoint

Number of Charts: 79

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**QUESTIONS ANSWERED IN THIS REPORT**  What is the size of the global mobile payments market and how does it break down into remote

and proximity payments?

What is the forecast for mobile payments growth through 2020?

How many people are using mobile wallets and how does this penetration differ by region and

Which mobile wallet services lead in various countries worldwide according to consumer surveys? How do the services of Apple Pay, Android Pay and Samsung Pay compare to each other in terms

of features, geographical coverage and usage rates?

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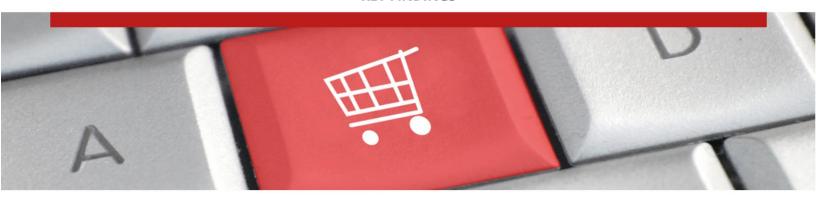
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## GLOBAL MOBILE WALLETS 2017: COMPETITORS AND MARKET OPPORTUNITIES **KEY FINDINGS**



## THE GROWTH OF MOBILE WALLETS IS HIGHLIGHTED IN A NEW REPORT FROM YSTATS.COM

The explosive growth of mobile payments worldwide triggered the emergence of various new payment options, the most prominent of which are mobile wallets. Tech giants, banks, card networks, telecom operators, payment companies and merchants have introduced multiple digital wallet solutions to the market, attracted by the multi-billion mobile payments opportunity, as detailed in the yStats.com report.

Consumers in Asia-Pacific were most responsive to the numerous mobile wallets offerings, compared to other global regions, but even there less than a quarter of mobile shoppers pay with mobile wallets, according to a recent survey cited in the yStats.com report. Overall, smartphone owners in emerging markets, such as India, South Africa and the UAE are more likely to adapt mobile wallets in the future than consumers in some advanced economies, such as Germany.

Nevertheless, the currently more advanced and digitalized market in the USA was the first choice of Apple and Google for launching their respective mobile wallet solutions, Apple Pay and Android Pay. The yStats.com publication provides comprehensive profiles of these solutions and that of Samsung Pay, and compares them in terms of features, geographical availability and usage rates.



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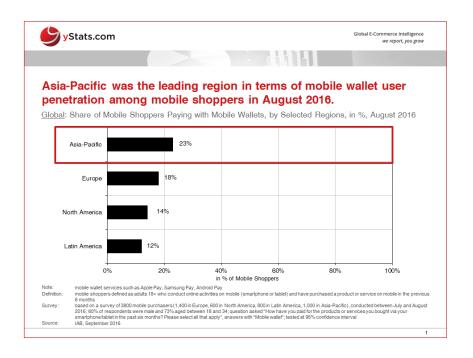
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## **GLOBAL MOBILE WALLETS 2017: COMPETITORS AND MARKET OPPORTUNITIES REPORT-SPECIFIC SAMPLE CHARTS**







## **GLOBAL MOBILE WALLETS 2017: COMPETITORS AND MARKET OPPORTUNITIES METHODOLOGY**

## GENERAL METHODOLOGY OF OUR MARKET REPORTS

#### **Secondary Market Research**

- The reports are compiled based on secondary market research. Secondary research is information gathered from previously published sources. Our reports are solely based on information and data acquired from national and international statistical offices, industry and trade associations, business reports, business and company databases, journals, company registries, news portals and many other reliable sources. By using various sources we ensure maximum objectivity for all obtained data. As a result, companies gain a precise and unbiased impression of the market situation.
- Cross referencing of data is conducted in order to ensure validity and reliability.
- The source of information and its release date are provided on every chart. It is possible that the information contained in one chart is derived from several sources. If this is the case, all sources are mentioned on the chart.
- The reports include mainly data from the last 12 months prior to the date of report publication. Exact publication dates are mentioned in every chart.

#### **Definitions**

The reports take into account a broad definition of B2C E-Commerce, which might include mobile commerce. As definitions may vary among sources, exact definition used by the source (if available) is included at the bottom of the chart.

#### **Chart Types**

Our reports include text charts, pie charts, bar charts, rankings, line graphs and tables. Every chart contains an Action Title, which

summarizes the main idea/finding of the chart and a Subtitle, which provides necessary information about the country, the topic, units or measures of currency, and the applicable time period(s) to which the data refers. With respect to rankings, it is possible that the summation of all categories amounts to more than 100%. In this case, multiple answers were possible, which is noted at the bottom of the chart.

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Reports are comprised of the following elements, in the following order: Cover page, preface, legal notice, methodology, definitions, table of contents, management summary (summarizing main information contained in each section of report) and report content (divided into sections and chapters). When available, we also include forecasts in our report content. These forecasts are not our own; they are published by reliable sources. Within Global and Regional reports, we include all major developed and emerging markets, ranked in order of importance by using evaluative criteria such as sales figures.

#### **Notes and Currency Values**

- If available, additional information about the data collection, for example the time of survey and number of people surveyed, is provided in the form of a note. In some cases, the note (also) contains additional information needed to fully understand the contents of the respective data.
- When providing information about amounts of money, local currencies are most often used. When referencing currency values in the Action Title, the EUR values are also provided in brackets. The conversions are always made using the average currency exchange rate for the respective time period. Should the currency figure be in the future, the average exchange rate of the past 12 months is used.

#### METHODOLOGY OF OUR GLOBAL MOBILE WALLETS 2017: COMPETITORS AND MARKET OPPORTUNITIES

#### Report Coverage

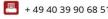
- The report covers the global mobile wallets market. It contains market statistics, such as mobile payments volume and mobile wallet usage rates, compares three major mobile wallet services, and provides rankings of awareness and usage of these and other mobile wallets around the world. Besides market and survey data, company profiles of three mobile major wallet services are included: Apple Pay, Android Pay and Samsung Pay.
- For the purpose of this report, a mobile wallet is defined as a software solution that enables consumers to store payment credentials, such as credit or debit card information, and use the stored credentials to pay digitally for transactions made in-store, online or via mobile. Mobile wallets are installed on mobile devices which are used to complete payments. The definition of mobile wallets used by specific sources cited in the report might vary from this general definition.

### Report Structure

- Following the Management Summary, the first chapter of the report contains market statistics. The statistics include general mobile payment data, such as mobile payment transaction volume, share and perception by consumers, and information specifically about mobile wallet usage, such as the number of active users worldwide and share of mobile shoppers in various countries choosing this payment method.
- The next chapter includes rankings of various mobile payment solutions and mobile wallets in selected countries. The rankings are mostly based on consumer surveys and refer to criteria such as user

numbers or penetration, potential usage or awareness. The rankings are not limited to pure mobile wallets as defined above and include a broader range of mobile payment solutions. Countries are grouped by region and presented in the order of descending online retail sales.

- The rest of the report is devoted to three major mobile wallet services: Apple Pay, Samsung Pay and Android Pay. These wallets were selected based on their positioning as pure mobile wallets, their recent growth in terms of geographical coverage, features and partnerships, as well as their potential user base as reflected in penetration of compatible mobile devices. First, the three wallets are compared in terms of functionality and usage rates based on consumer surveys in the USA. Next, comprehensive profiles of these three mobile wallets are presented.
- The profiles are presented in the following order, based on their initial launch dates: Apple Pay, Samsung Pay and Android Pay. Each profile starts with a general overview of the mobile wallet, including information about the launch date, a brief service description and availability, information about transaction volume, and a digest of recent important news. A list of markets where the wallet is available with the respective launch dates follows. The next two sections provide a more detailed description of supported payment types and service features, such as payment and value-added features. Finally, the last section of the profile provides information related to adoption and usage of the mobile wallet, where available. Due to varying data availability, not all of the mentioned data points were included in each of the profiles.





# GLOBAL MOBILE WALLETS 2017: COMPETITORS AND MARKET OPPORTUNITIES RELATED REPORTS

#### PUBLISHED RELATED REPORTS

REPORT	PUBLICATION DATE	PRICE *
Apple Pay Profile 2017	January 2017	€ 450
Samsung Pay Profile 2017	January 2017	€ 450
Android Pay Profile 2017	January 2017	€ 450
Global Mobile Online Payment Methods: First Half 2016	October 2016	€ 950
Europe Online Payment Methods: First Half 2016	October 2016	€ 950
Global Alternative Online Payment Methods: First Half 2016	September 2016	€ 950
Global Online Payment Methods: First Half 2016	September 2016	€ 1,950
Asia-Pacific Online Payment Methods: First Half 2016	September 2016	€ 750
Fraud and Security in Global Online Payment 2016	October 2016	€ 950
Company Profiles of 10 Leading Online Payment Service Providers 2015	July 2015	€ 2,950
Global E-Commerce Marketplaces 2016	November 2016	€ 450
Trends in Worldwide Internet Retail 2016	July 2016	€ 1,450
Global B2C E-Commerce Market 2016	June 2016	€ 2,950
Top Players in Global E-Commerce Market 2016	June 2016	€ 950
Japan B2C E-Commerce Sales Forecasts: 2016 to 2020	December 2016	€ 450
UK B2C E-Commerce Sales Forecasts: 2016 to 2020	December 2016	€ 450
USA B2C E-Commerce Sales Forecasts: 2016 to 2020	November 2016	€ 450
Top 5 Country B2C E-Commerce Sales Forecasts: 2016 to 2020	November 2016	€ 1,950
Middle East B2C E-Commerce Market 2016	May 2016	€ 1,950
Africa B2C E-Commerce Market 2016	May 2016	€ 1,950
Latin America B2C E-Commerce Market 2016	March 2016	€ 1,950
Europe B2C E-Commerce Market 2016	February 2016	€ 2,950
North America B2C E-Commerce Market 2015	November 2015	€ 950
Asia-Pacific B2C E-Commerce Market 2015	October 2015	€ 3,450

## **UPCOMING RELATED REPORTS**

REPORT	PUBLICATION	PRICE*	
	DATE		
Global Online Payment Methods: Second Half 2016	January 2017	€ 1,950	
Global Mobile Payment Methods: Second Half 2016	January 2017	€ 950	

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- Citigroup
- Oppenheimer & Co.
- Morgan Stanley

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- Accenture

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- Tchibo Direct
- Diesel

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- Redbull
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- Beiersdof



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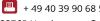
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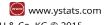
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Press Release	PURCHASE ORDER NO. (IF	REQUIRED)					
Linkedin/XING	ORDER DATE						
Facebook/Twitter  Personal Recommendation	yStats.com may contact you	e Terms & Conditions contained u in the future about receiving o ly. Your contact information will	ur free newsletter or	other mailing.	If you do not v		
Other	single user access to the re Global Site License (allowin	nen purchasing a report, you hav port), a Site License (allowing up g up to 10 users of a company w bly with our Terms and Condition	to 10 users in a part orldwide to access t	ticular geograph he report). Plea	nic location ac se choose the	cess to the rep license that su	ort), or a iits your



## **TERMS AND CONDITIONS**

vStats.com GmbH & Co. KG provides its services exclusively to contracting partners and users of its website according to Sec. 14 German Civil Code ("you") subject to the following Terms and Conditions. By visiting our website, shopping at the online store provided by yStats.com, or placing an order offline for any of our products, subscriptions and services, you acknowledge that you are bound by the following Terms and Conditions, which are, unless explicitly agreed upon otherwise in writing, the entirety of the "Contract", as defined in 1.1, between yfstats.com GmbH & Co. KG and you, Terms and Conditions are subject to change at any time without prior notice, based on the discretion of yStats.com GmbH & Co. KG, the most current of which are readily available on our website.

We herewith contradict any terms and conditions of purchase by our customers which will not become part of

#### ■ 1. SCOPE

1.1 The following terms and conditions apply to our entire contract (the "Contract") between yStats.com GmbH & Co. KG (hereinafter also referred to as "we" or "us") with our customers regarding (i) the purchase of our reports both on- and offline, (ii) custom research services, (iii) full access subscriptions, and (iv) any other contracts between us and our customers executed with reference to these terms and conditions (any reports and other services and products which we may make available to the customer under a Contract herei

1.2 Agreements contrary to these terms and conditions require our express written confirmation, Deviations between these terms and conditions and the contents of the Order Form will be accepted if and only if expressly agreed upon by both our customer(s) and us in writing, limited to the case of custom research orders, at which point the contents of the Order Form shall prevail.

2. REPORT AND FULL-ACCESS SUBSCRIPTION OFFERS & ORDERS

With respect to the purchase of our Market Reports, purchase can be made either online or offline

2.2 Our homepage contains information about pricing, acceptable payment methods and product brochures. To purchase a Market Report directly from our online shop, simply click ,Add to Cart', then ,Proceed to Checkout', where registration and payment details can be entered. As soon as payment is processed successful-

ly, you will receive an Invoice via email and the Report will be available online for download.

2.3 To purchase a Market Report offline (not via the online shop) simply print the Report Order Form from the appropriate online brochure or by clicking on the Fax Order button on our webpage. Simply fill out the Report Order Form, have a duly authorized representative sign the Report Order Form and then submit the Report Order Form to us via facsimile or email with PDF-attachment. Upon receipt of a completed Report Order Form, you will obtain an Invoice detailing the product ordered, price, and date of payment. Upon successful processing of payment, access and log-in details will be forwarded to the purchaser within two (2) business days. 2.4 If you order our product "Market Reports", you gain access to the ordered report as identified in the Report Order Form and you may use that report in accordance with Section 5.2 below and the other provisions of the

2.5 To purchase one of our Full Access Subscriptions, please contact us through the appropriate forum on our website, located under the Full Access tab on our homepage. Once we receive an inquiry, we will forward an Order Form to be filled out and signed by a duly authorized representative. Once this Order Form has been completed and signed, please send the Order Form via facsimile or email with PDF-attachment. Upon receipt of the completed Order Form, we will send an invoice detailing price of the "Full Access Subscription" and payment method options. Upon successful processing of payment, access and log-in details will be forwarded to the purchaser within two (2) business days. The provision of this information constitutes the acceptance should you

not have been provided with a separate acceptance in writing.
2.6 If you order one of our "Full Access Subscriptions", you gain access to all reports within the scope of your chosen subscription (excluding all custom research services) currently available on our website during the subscription timeframe as identified in the "Order Form" as of the date of the execution of the Contract, and you may use the reports pursuant to your chosen license option, in accordance with Section 5 (below) and the

#### ■ 3. CUSTOM RESEARCH OFFERS & ORDERS

3.1 Unless expressly agreed upon otherwise in writing, the contents of our offers may not be made available in whole or in part to any third party outside your organization.

3.2 With respect to research services, upon inquiry, we submit an offer to you in the form of a "Research Order Form" as a PDF, accompanied with a proposal stating the nature of the issue to be researched, the services to be rendered, the time required for the study, structure of payments (if any) and the total fee due. You accept this offer by completing the Research Order Form, having a duly authorized representative sign the Research Order Form and then submitting the Research Order Form to us via facsimile or email with PDF-attachment,

#### 4. TERMS OF PAYMENT

4.1 All prices for offline orders are to be derived exclusively from the Order Form and/or the documents referenced therein. All prices for orders placed via the online shop are those which are displayed on our website.
4.2 All prices are net and without transportation costs, if applicable. Value Added Tax, if applicable, at the statutory rate shall be added to all fees payable hereunder. 4.3 For all services that go beyond the scope as agreed under the Order Form, a reasonable additional fee for

these services shall be discussed and agreed upon with the customer before commencement of any work and will be itemized on the final Invoice (if applicable) sent to the customer.

4.4 We will send our Invoice to you upon execution of the Contract, unless agreed otherwise in the Order Form.

In the event that you order our product "Full Access Subscription", we will send our Invoice for the first con year upon execution of the Contract. Any Invoice(s) for any subsequent contract year(s), will be sent to you

upon commencement of each contract year. 4.5 All payments shall be due and payable immediately upon the date set forth in the Invoice, without any deductions. Products will not be dispatched and services will not commence until successful processing of payment, excluding the case of custom research orders, in which structured payment terms will be outlined of the Order Form.

4.6 All customer's rights of retention or set-off are hereby excluded to the extent that they are not based on the same contractual relationship. Retentions or set-offs are allowed only if the customer's claim is undisputed, has

become unappeasable or is ready for decision.
4.7 In the event of a customer's default in payment or other apparent credit unworthiness, all remaining claims against that customer shall become immediately due and payable in full. This only applies if the customer is responsible for the default. We shall be entitled to rescind payment terms previously agreed upon and to demand payment in advance or other appropriate security with respect to pending deliveries. A customer shall be deemed unworthy of credit in particular when he files a petition in bankruptcy or composition proceedings.

5. INTELLECTUAL PROPERTY RIGHTS AND INDEMNITIES

5.1 All copyrights and other intellectual property rights in connection with our products and all contents of our website remain with us. All data carriers remain our property. The customer/user may not modify, publish, transmit, transfer or sell, reproduce, create derivative works from, distribute, perform, display, or in any way exploit any of the products made available by us, in whole or in part, except as expressly permitted under the

S.2. Upon delivery of the product(s) to you and payment of the agreed fee, you obtain a non-exclusive, non-transferable, perpetual right to use the products provided for your internal purposes or any additional purposes as contractually agreed upon. Our reports, in part or entirety, may not under any circumances be used for external purposes without our expressed written permission. Requests are to be submitted to us and will be considered on a case-by-case basis. We retain the right to reject and deny requests. Requests that are accepted may be subject to an additional fee, negotiable between parties on a case-by-case basis.

5.3 We, as well as any original sources contained within our product, must expressly be named as the author

of any data the customer processes further as contractually negotiated. Furthermore, we maintain the right to conduct a formal review of any final product(s) which contain data cited from our market reports. We formally require ten (10) business days prior to external publication or sharing of any product(s) that derive data from our market reports. We maintain the right to review and discuss citation formalities at any point in time.

5.4 For Market Report purchases, in the event that the parties agree on a "Single User License" under the Order

Form, this means that only one (1) individually named user of an organization shall be entitled to access the report(s). In the event that the parties agree on a "Site License" under the Order Form, this means that up to ten (10) users within a given geographical location (as specified in the Order Form) of an organization shall be entitled to access the report. In the event that the parties agree on a "Global Site License", this means that up to ten (10) worldwide users of an organization shall be entitled to access the report. In both cases, the term "organization" refers to your specific company only and excludes any third parties, including affiliates,
5.5 For Full Access Subscription purchases, in the event that the parties agree on a "10-Seat Full Access License"
under the Order Form, this means that up to ten (10) worldwide users of an organization shall be granted Full

under the Order Form, this means that up to ten (10) worldwide users of an organization shall be granted Full Access to the reports. In the event that the parties agree on a "15-Seat Full Access License" under the Order Form, this means that up to fifteen (15) worldwide users of an organization shall be granted Full Access to the reports. In the event that the parties agree on a "20-Seat Full Access License", this means that up to twenty (20) worldwide users of an organization shall be granted Full Access to the reports. In the event that the parties agree on an "Unlimited Seat Full Access License", this means that an unlimited number of worldwide users of an organization shall be granted Full Access to the reports. In all cases, the term "organization" refers to your specific company only and excludes any third parties, including affiliates.

5.6 For the specific case of a purchase of an "Unlimited Full Access License," the following limitations apply:

5.6.1 Our reports may be used for internal purposes, in part or in entirety, limited only as is expressed in this Section 5 of Vistats com GmBH & Co. KG Terms & Conditions.

Section 5 of vStats.com GmbH & Co. KG Terms & Conditions.

5.6.2 The sharing of our reports, in part or in entirety, via the upload to/use of a company's intranet netwo hereby allowed only with the purchase of an "Unlimited Full Access License."

5.6.3 No data from our reports may be reproduced or republished in any identical or near identical form in any of a company's final products or content used for external purposes without our expressed written permission. ■ 6. TECHNICAL INFORMATION

6.1 We shall provide our products in the following standardized data formats: PowerPoint and PDF. For custom

research reports. Excel documents may also be provided, upon request.
6.2 You must ensure that you have the corresponding technical resources tto make use of these data. You may not derive any claims in this connection on grounds of breach of obligation.

6.3 Upon successful processing of payment, purchases made via the online shop will be immediately available to download. For all offline purchases, upon successful processing of payment, you will receive the requested product(s) and service(s) in the aforementioned standardized data formats, and all additional data pertaining nereto within two (2) business days.

#### 7. DEFECTS AS TO QUALITY

7.1 No claims for defects as to quality are triggered by insignificant discrepancies between our products and

7.2 Likewise, no claims for defects as to quality may be derived from entrepreneurial risks – e.g., with regard to questions of entrepreneurial discretion, an erroneous assessment of the market situation or the failure to

recognize a business action's merit. 7.3 Defect-based claims are further excluded in cases of excessive or improper use or in connection with damages caused by extraordinary conditions not reflected in the Order Form. This is also true in cases of subsequent changes made by the customers or third parties unless such changes do not affect the analysis and removal of a given defect.

7.4 Claims for defects as to quality expire within one year from the commencement of the legal statute of limitation. This limitation does not apply to the extent that applicable law stipulates a longer period in cases of intentional or grossly negligent breaches of duty on the part of us, fraudulent concealment of a defect and injuries to life, body and health.

7,5 Claims for damages and the reimbursement of expenditures are further subject to Section 9.

8.1 We are liable for products and services infringing on third party rights only if and to the extent that our products and services are used in accordance with the agreed contractual requirements.

8.2 Unless agreed otherwise, our liability for the infringement on third-party rights is limited to the territory of

the European Union and the European Economic Area as well as the place of its services' proper use as agunder the applicable Order.

8.3 In the event that a third party asserts claims against the customer, alleging that a service performed by us violates its rights, the customer shall promptly notify us. If a service rendered by us violates third party rights, we shall choose one of the below actions, duly taking into consideration the customer's interests:

a) procuring for the customer the right to use the service; or b) revising the service to render it free of legal violations.

8.4 Upon our request, the Customer shall assist us with the defense against third party claims according to this section 8, with each of the Parties bearing the costs of the use of its own personnel and counsel.

8.5 Claims the Customer may hold for legal defects expire in accordance with Section 7.4.

8.6 Claims for damages and the reimbursement of expenditures are further subject to Section 9.

9.1 In cases of intentional misconduct and gross negligence, we are fully liable pursuant to applicable law.
9.2 Besides Section 9.1, we are not liable for any damages, especially but not limited to any incidental, special, puntitive or consequential damages, loss of profits or loss of data. This limitation does not apply to any claim for damages due to damage to life, body or health in cases of simple negligence and – subject to the limitations set forth hereinafter – due to damage caused by a breach of a material contractual obligation. Material contractual obligation. ractual obligations are obligations that (i) you reasonably relied upon at execution of the applicable Order Form and (ii) was of critical significance to the outcome of performance.

9.3 in case of a negligent breach of a material contractual obligation our liability for damages – except for damage to life, body or health – is limited to typical and at the time of the formation of this Contract foreseeable

9.4. The aforementioned limitations do also apply to our liability for fault by our bodies, employees and vicarious agents as well as our bodies', employees' and vicarious agents' personal liability.

9.5 Our liability for damages under warranties (Beschaffenheitsgarantien) is limited to instances in which the warranty expressly includes such liability.

9,6 Claims for the reimbursement of expenditures and other liability claims asserted by the Customer against us are subject to sections 9.1 through 9.5.

#### ■ 10. CONFIDENTIALITY

10.1 The Parties shall hold in strict confidence for a period of 10 years of the formation of this Contract regarding all data and information materials of which they gain knowledge as part of a Contract, be it orally, in writing or otherwise, directly or indirectly, provided that such data or information materials are designated confidential or must be considered confidential based on their nature, and shall use them exclusively as part of the services covered by the relevant Order, This duty of confidentiality excludes data and information materials

a) were already known or accessible to any third party at the time of disclosure;

b) which is lawfully disclosed to you by a third party that is not subject to a confidentiality obligation regarding this data or information;

c) must be disclosed by order of and to a government agency or another competent third party; and d) must be disclosed to legal or tax advisors of the contractual customer in question for consulting purposes. In the cases of Sections b) and c) above, the parties shall (i) promptly inform each other about a given request and prior to disclosing confidential information, and (ii) limit the disclosure of confidential information to the minimum required.

10.2 We may use your company name and logo as a reference so long as no contractual details are divulged.

11. JURISDICTION, GOVERNING LAW, MISCELLANEOUS

11.1 In Contracts with merchants, legal persons under public law, or special assets (Sondervermögen) under public law, the place of payment is Hamburg, Germany.

11.2 In Contracts with merchants, legal persons under public law, or special assets (Sondervermögen) under public law, all disputes arising from or in connection with any Contract between the Parties shall exclusively I resolved through the courts of Hamburg. Governing law is German law under exclusion of the CISG.