# CAPITAL MARKETS DAY 2017

OPERA SOFTWARE



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# Lars Boilesen

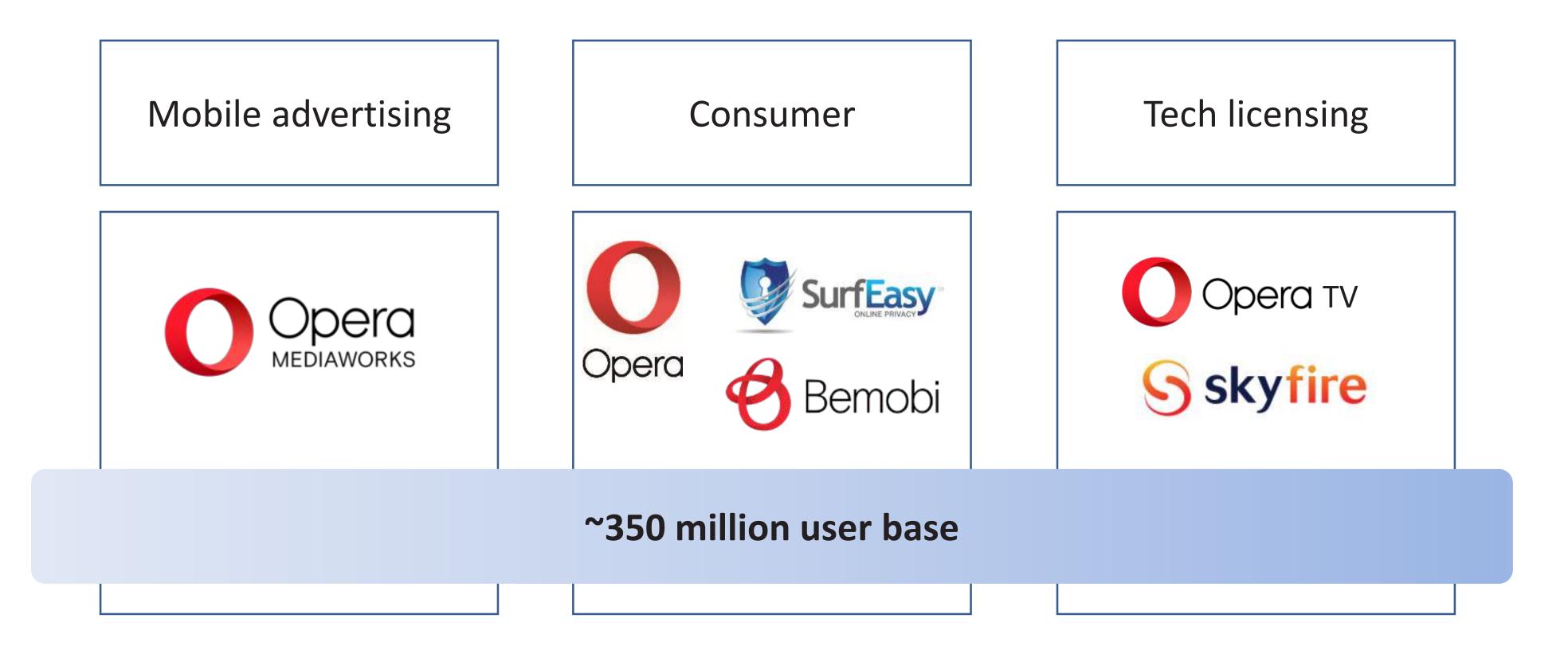
**Chief Executive Officer** 

### Agenda of the day

09:00 – 09:05 CET	Welcome	5 min
09:05 – 09:20 CET	Opera Software - CEO	15 min
09:20 – 09:35 CET	Opera Software - CFO	15 min
09:35 – 09:50 CET	SurfEasy	15 min
09:50 – 10:05 CET	Skyfire	15 min
10:05 – 10:45 CET	Bemobi	40 min
10:45 – 11:00 CET	Break	15 min

11:00 – 11:25 CET	AdColony - CEO	25 min
11:25 – 11:55 CET	AdColony - Products & Tech (Apollo)	30 min
11:55 – 12:15 CET	AdColony - Performance	20 min
12:15 – 12:35 CET	AdColony - Programmatic & Brands	20 min
12:35 – 12:40 CET	AdColony - Closing remarks (CEO)	5 min
12:40 – 13:00 CET	Conclusion and Q&A - All	20 min
13:00 – 14:00 CET	Lunch - All	60 min
14:00 – 16:00 CET	Group meetings - All	120 m

#### Opera Software at the start of 2016



Opera's goal was to leverage on the user base generated by the consumer browser

#### 2016 has been a year of change for Opera Software

November 2016	Divestment of Consumer Business	USD 575m
December 2016	Divestment of majority stake (70%) in Opera TV	USD 80m
November 2016	Share buyback of up to 10% of outstanding shares	In progress
December 2016	Payment of NOK 15 in dividends	USD 260m
December 2016	Repayment of senior loan	USD 185m

#### Where are we now?





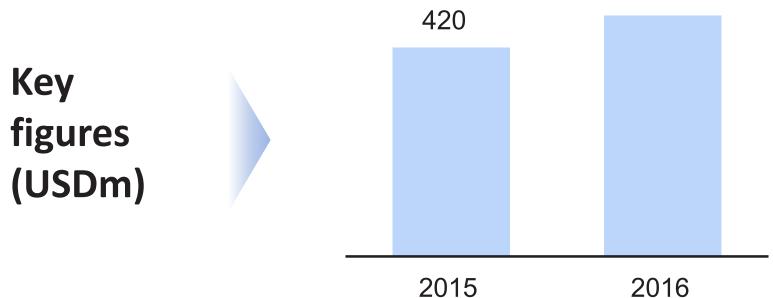




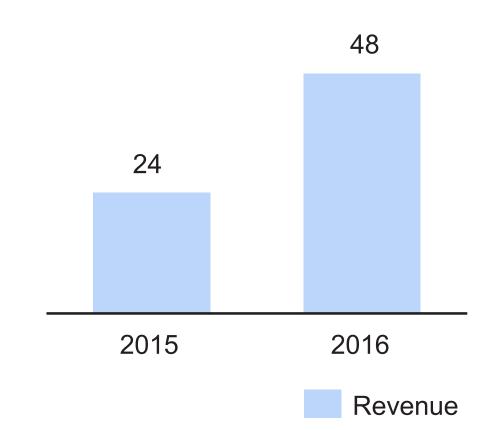
#### Strategic focus

- New SDK (Aurora) and Core
- Apollo 7-11 product launches
- Foundation for growth
- Cost efficiency opportunities

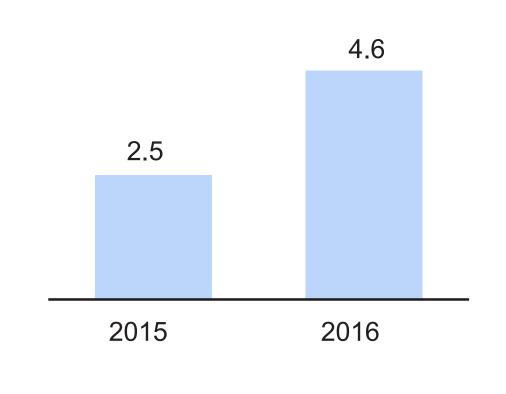
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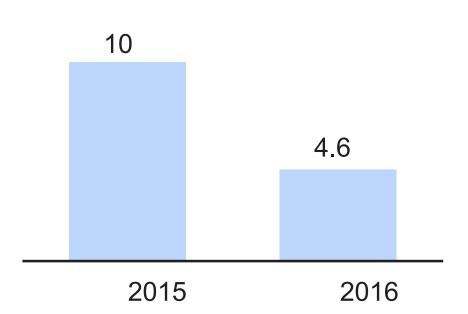


- Continue stable growth in Latin
   America
- International expansion into CIS,
   Asia and Africa



- Continue MoM subscriber growth
- Accelerate growth of white label offering
- Leverage Huawei as profitable channel
- Ensure positive EBITDA in 2017 and beyond





4 separate companies positioned for growth and profitability

#### Lean organization – reduced corporate staff



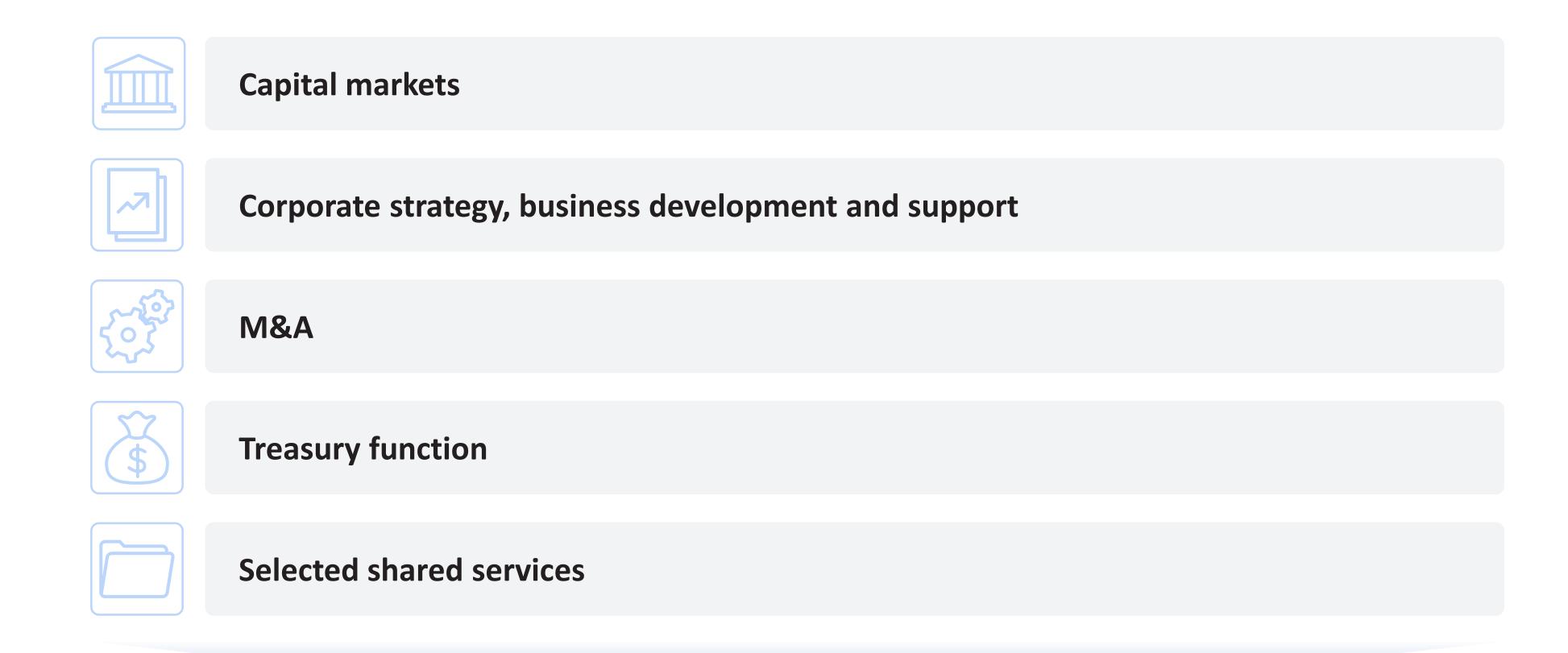
Start of 2016

Corporate FTEs: 50
Corporate cost: ~USD 15m

Start 2017

Corporate FTEs: 12
Corporate cost: ~USD 6m

### Opera Software corporate objective



Opera Software corporate objective is to drive shareholder value through developing the operating entities

#### Opera Software corporate objectives









#### **Focus**

- Revenue growth
- Increase margins
- Cost control
- Unique & relevant products
- Scalable businesses

#### Maximize shareholder value



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# Petter Lade

**Chief Financial Officer** 

## Opera Software

**Key figures** 

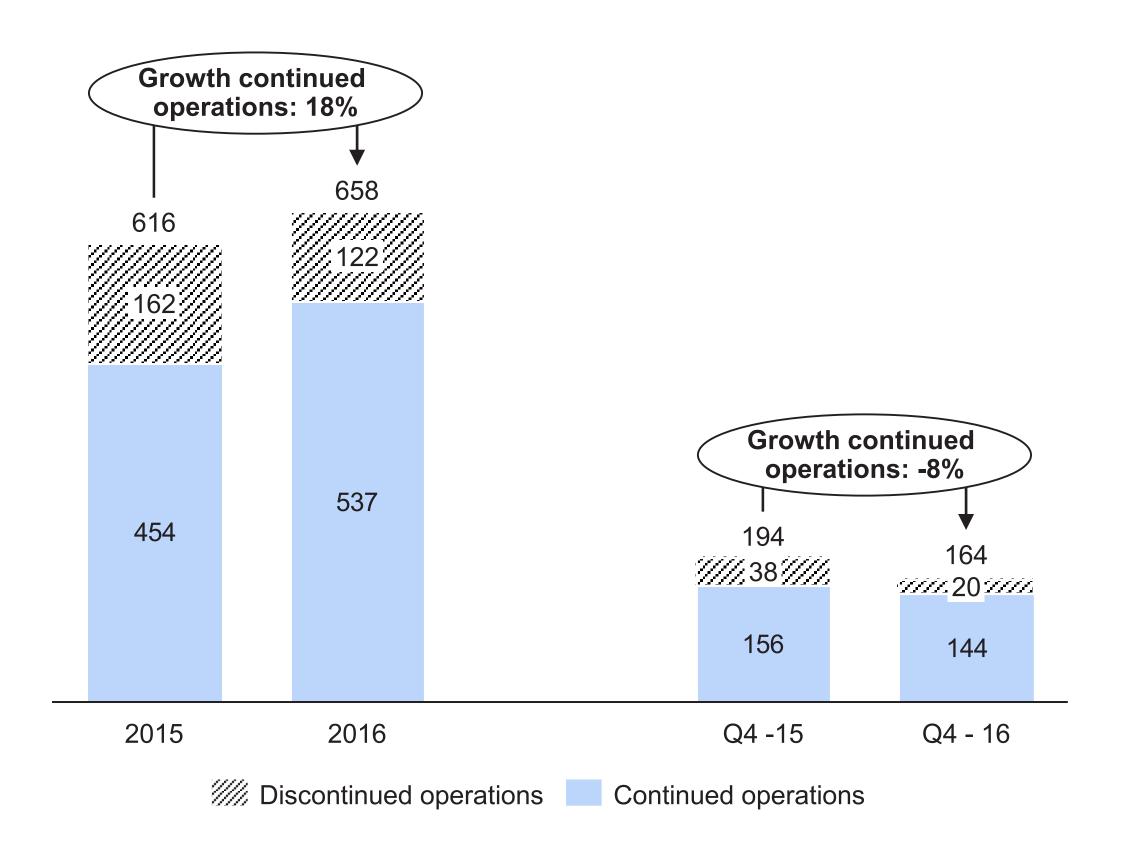
How to model each of our businesses

Focus areas

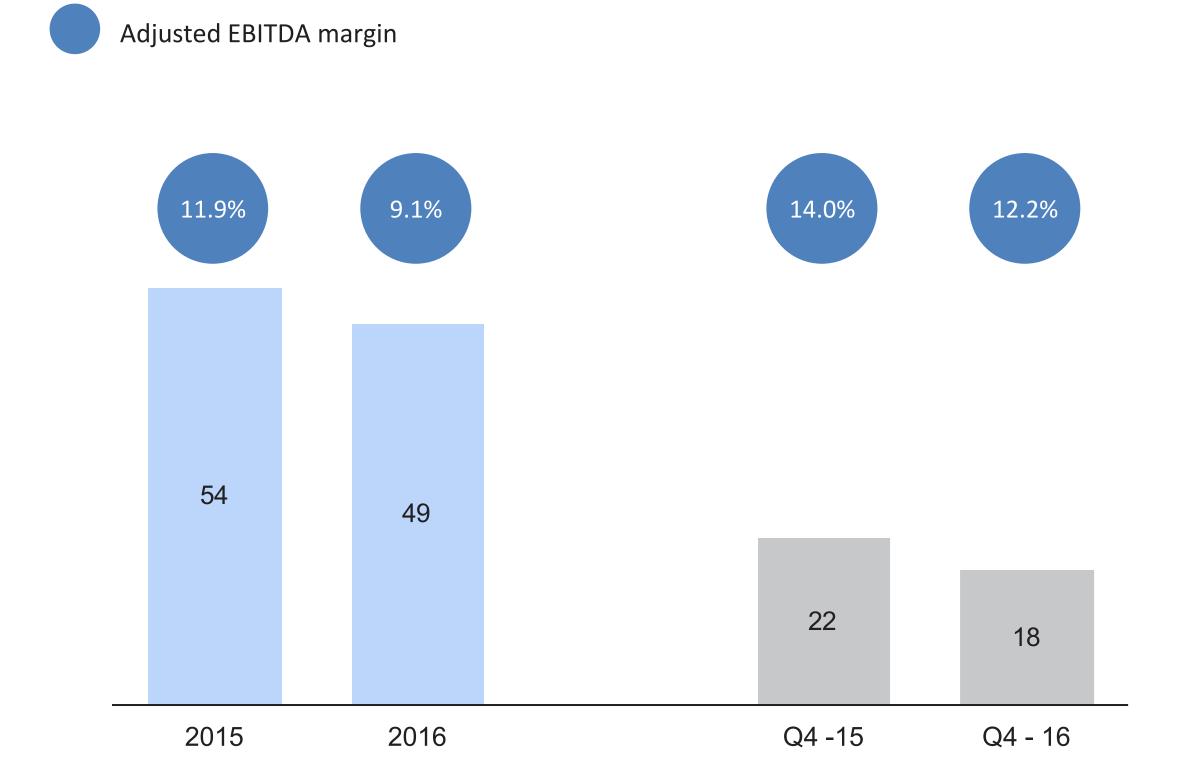
**Guidance & Aspirations** 

#### Opera Software key figures



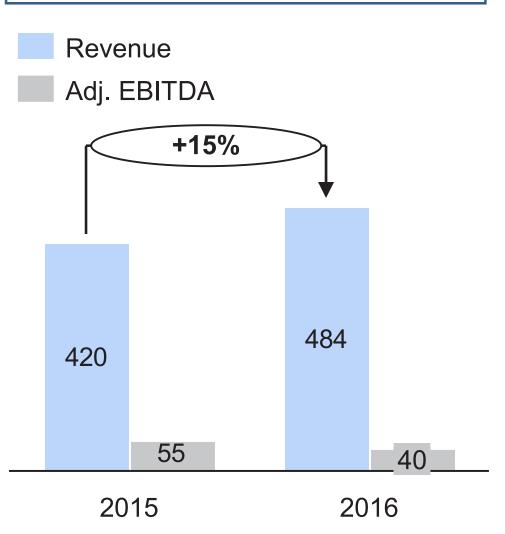


#### Adjusted EBITDA and margin (USDm)



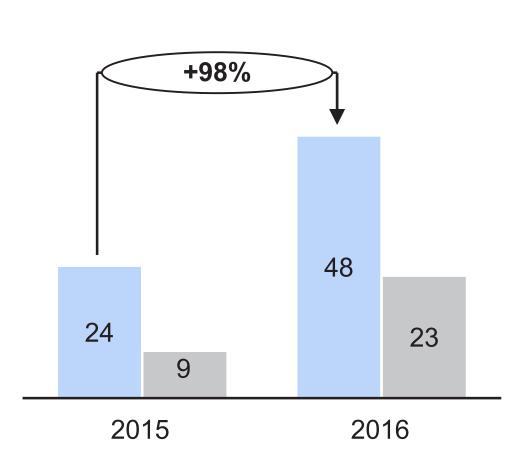
#### Operating entities' key figures





- Fewer global app launches and late to market with new SDK
- Higher costs related to the reorganization and tech integration work of the Apollo platform

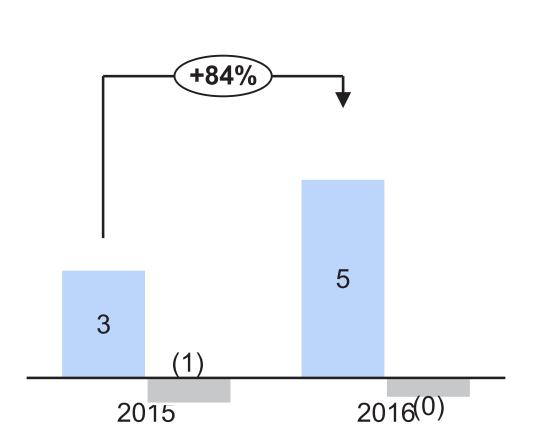


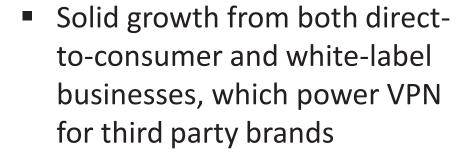


- Organic revenue growth of 43%
- Continued strong growth in number of subscriber in Latin America
- First phase of global growth

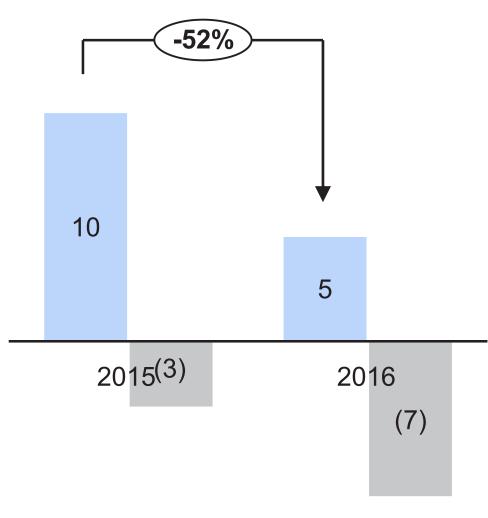












- Organization cut in half, focus on Rocket product
- Slow rollout with Huawei



### AdColony – Revenue & profit (illustration)

Revenue				Gross margin				Other opex (fixed cost base)		
	Performance	Share of revenue: 49%		Performance	Gross margin: 37%		Comper	nsation	In % of OPEX: 70%	
4	Brand - Managed IO	Share of revenue: 34%		Brand - Managed IO	Gross margin: 48%	4	Hosting		In % of OPEX: 15%	
4	Brand - Performance	Share of revenue: 7%	4	Brand - Performance	Gross margin: 25%	4	Other o	pex	In % of OPEX: 15%	
4	Brand - Programmatic Share of revenue: 9%			Brand - Programmatic	Gross margin: 34%		Total op	oex (2016)	USD 150m	
	Revenue (2016) USD 484m			Gross margin (2016)	Gross margin: 38%					
Performa key rever drivers	<ol> <li>Apollo 7/8 (access)</li> <li>Apollo 9 (addition)</li> <li>Market growth</li> <li>SDK 3.1 – New No.</li> </ol>	onal ad units)		<ol> <li>Mix of revenue, i.e. programm margins</li> <li>Type of add units, rich media a margin than banner adds.</li> <li>Revenue share with publishers</li> <li>Apollo 7 (bidding engine for U.)</li> </ol>	natic has lower gross ads tends to have higher	Compo	ensation	<ol> <li>Number of emplo</li> <li>Apollo 10/11</li> <li>Cloud services cos</li> <li>Investment in Dat</li> <li>Apollo 10/11</li> </ol>	st (AWS)	
drivers	Play Exchange)  4. Brand Performa expansion	nce – international		4. Apollo 7 (bidding engine for Unsupply toolkit for SDK inventor control revenue vs gross marg trade-off. Fixed revenue to pu	ry) will allow AdColony to in	Other	opex	<ol> <li>Headcount</li> <li>Office expense/m</li> <li>Apollo 10/11</li> </ol>	arketing	



## Bemobi – Revenue & profit (illustration)

Revenue					Gross margin				Other opex (fixed cost base)			
	Net AR	PU	USD 3		License	fee to app dev	In % of revenue: 30%		Compe	nsation	In % of OPEX: 75%	
	Numbe	er of subscribers	16 million	4	Acquisi	tion cost	In % of revenue: 5%	4	Hosting		In % of OPEX: 5%	
	Revenu	e (2016)	USD 48m		Gross m	nargin (2016)	Gross margin: 65%	4	Other o	pex	In % of OPEX: 20%	
									Total o <sub>l</sub>	pex (2016)	USD 9m	
Net AR	RPU	<ol> <li>Number of compelling serve users, i.e. Apps Club</li> <li>More services offered in Latin America</li> <li>Apps Club first service to outside of Latin America</li> </ol>	n o be launched	License app de	e fee to V	Deal structure with  Revenue s  Fixed cost	hare		ensation	<ol> <li>Number of employees</li> <li>Geographical footprint</li> <li>Cloud services cost</li> </ol>		
Numbe		<ol> <li>Addressable users of services</li> <li>Reach of distribution channels</li> <li>Operators</li> <li>OTT partnerships</li> <li>No data, No credit ports</li> <li>Churn</li> </ol>	nels	Acquis	ition cost	Revenue share % w partners	rith OTT distribution	Hostin		<ol> <li>Number of employees</li> <li>Office expenses</li> </ol>		



## SurfEasy SurfEasy - Revenue & profit (illustration)

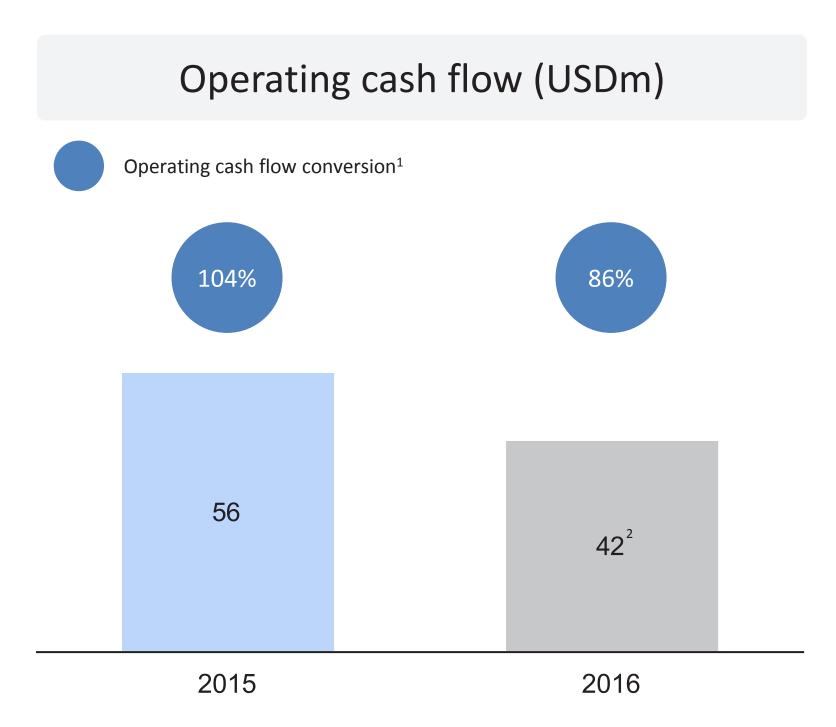
Revenue				Gross margin				Other opex (fixed cost base)				
	ARPU/Net AR	RPU	USD 25		COGS		In % of r	evenue: 20%		Compe	nsation	In % of OPEX: 45%
	Number of su	ubscribers	200K		Gross m	nargin (2016)	Gross	margin: 80%	4	Hosting		In % of OPEX: 40%
	Revenue (201	L6)	USD 5m						4	Other o	pex	In % of OPEX: 15%
										Total op	ex (2016)	USD 5m
Net AR	PU (a)	Direct vs. Partner Revenue Direct (high margin, lower subs Indirect (low ARPU, high subscr		COGS		1. Apple/Google	e (App store trans	saction fee)	Compe	ensation	<ol> <li>Number of employe</li> <li>R&amp;D efforts</li> </ol>	es
	1. F	numbers, no COGS)  Partner VPN product launch  Consumer customers							Hostin	g	<ol> <li>Cloud services cost (</li> <li>Opera Desktop VPN</li> </ol>	•
Numbe subscri	er of	Churn							Other	opex	<ol> <li>Number of employe</li> <li>Office expenses</li> <li>Marketing</li> </ol>	es



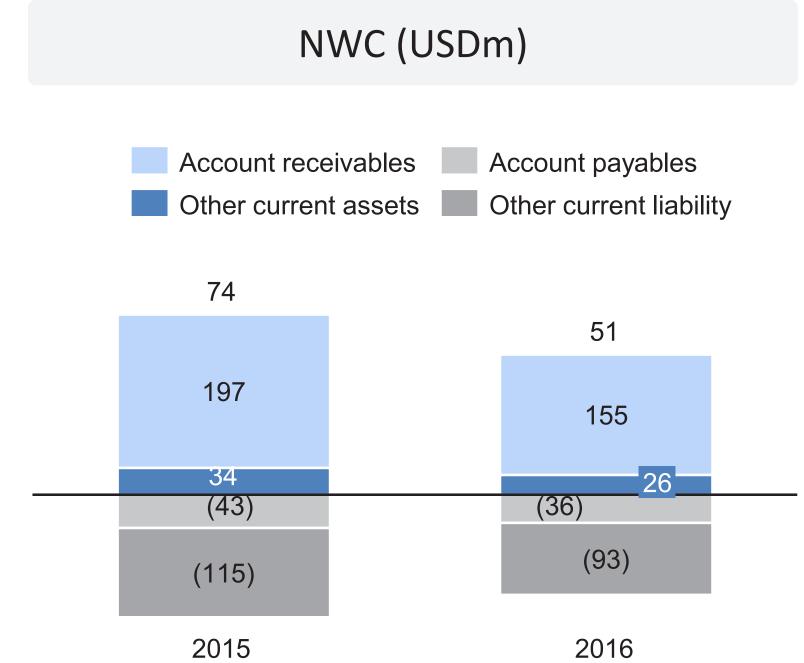
### Skyfire – Revenue & profit (illustration)

	Revenue		Gross margin				Other opex (fixed cost base)			
Numbe	r of live contracts	4		COGS	In % of revenue: 0%		Compe	nsation	In % of OPEX: 80%	
Annual	revenue per contract	USD 1.2m		Gross margin (2016)	Gross margin: 100%	4	Other c	pex	In % of OPEX: 20%	
Revenu	e (2016)	USD 5m					Total or	pex (exit 2016)	USD 7m	
Number of live contracts	<ol> <li>Success of direct sales efforts</li> <li>Traction with partners like H</li> <li>Growth of unlimited data plan</li> </ol>	uawei	COGS	All hosted by Ope	erator	Comp	ensation	<ol> <li>Number of employees</li> <li>R&amp;D efforts</li> <li>Geographical footpring</li> </ol>		
Annual revenue per contract	<ol> <li>Size of customer subscriber</li> <li>Direct deal or through partn</li> <li>Complexity of services sold customer</li> </ol>	iers				Other	opex	<ol> <li>Number of employees</li> <li>Office expenses</li> </ol>		

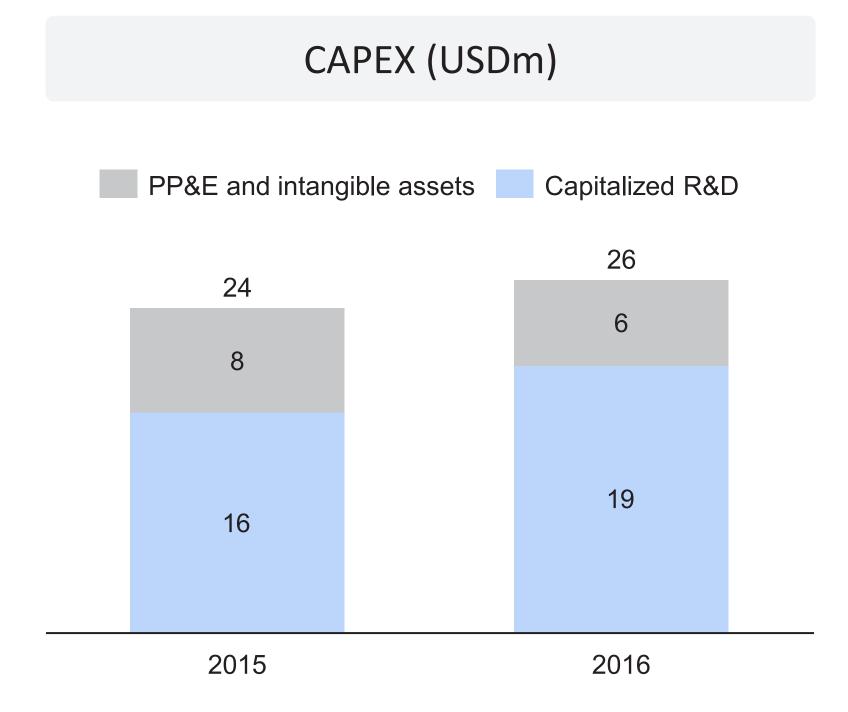
#### Cash flow, NWC and CAPEX



- Operating cash flow moving in tandem with Adj. EBITDA
- High focus on cash conversion



- Ambition to optimize working capital positon
- Reduce DSO

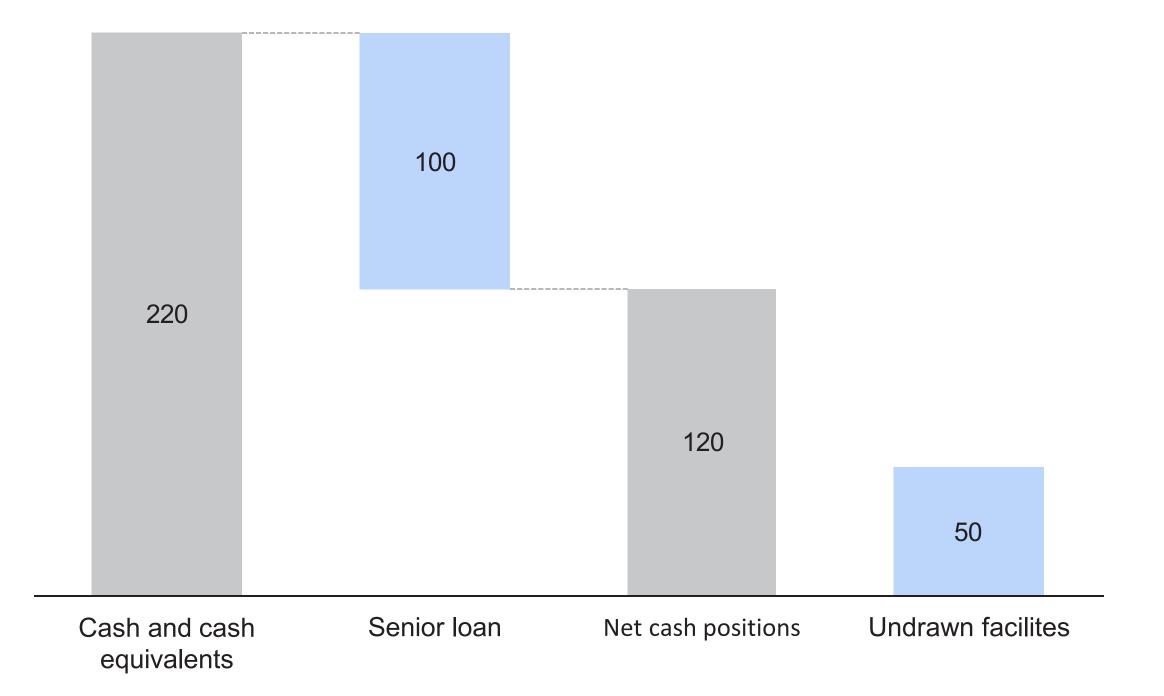


- Limited CAPEX (ex R&D) needs in business
- Capitalized R&D to remain elevated in 2017 as we develop and deliver Apollo 7-11

Note: 1) Operating cash flow / Adjusted EBITDA; 2) Excludes operating cash flow from discontinued operations

#### Optimizing capital structure

Net debt and undrawn facilities per 31.12.2016 (USDm)



Notes: 1) Excluding earn-out commitments

- Repayment of senior loan USD 185m during 2016
- Long term senior loan
  - Term loan fully outstanding: USD 100m
  - Undrawn revolving credit facility: USD 50m
- Cash and cash equivalents: USD 220m
- Net cash position¹ of: USD 120m
- Earn-out commitments of USD 99m
  - Majority related to Bemobi, where earn-out is capped to free cash flow

Opera Software has a target of zero net debt/cash over time Ambition to use excess cash to distribute dividends or buyback shares

#### 2017 outlook and financial targets

Key dependencies and assumptions for 2017 targets 2017 targets 2016 2017 Timing and ramp of Apollo 7-9 launches Revenue **USD 537m** USD 550-650m Global ramp for Bemobi Mix of ad revenue and gross margin development for adColony **USD 50-70m** Adj. EBITDA/ margin 9.1% ~9-11% Strict cost control

#### Medium-term outlook and financial ambitions

#### Main drivers to reach medium-term ambitions



- New product launches (SDK & Apollo 7-11)
- Automation / operational efficiencies



- Market leading position in Latin America
- International expansion



- White label VPN solution roll-out with partners
- Continue to grow consumer VPN subscribers



- Push from operators for «unlimited» plans
- Wins and design-ins from network suppliers

Medium-term ambitions								
	2017	Medium-term						
Revenue	USD 550-650m	+USD 1bn						
Adj. EBITDA margin	USD 50-70m ~9-11%	~15%						

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Agenda

- What SurfEasy does.
- How we make money.
- Review of each business unit.

#### What is a VPN?





When you connect to the internet, all of the data sent in and out of your device is generally unencrypted. Anyone with access to the network (such as a Wi-Fi hacker) is able to monitor, block or intercept your online activities.

When you connect to a website or application - your device is sending information like your IP address that allows you to be identified, tracked and monitored by the website.



#### With Surfeasy - You're Secure

We create an encrypted connection between your device and our Global Private Network. All of your data is wrapped in bank grade encryption ensuring its secure, private and unrestricted.

Before we send your data to the website or application, we remove personally identifiable information like your IP address and replace it with ours to give you control when you identify yourself to the web.

## SurfEasy Business Units

#### **Opera VPN Fighter Brand**

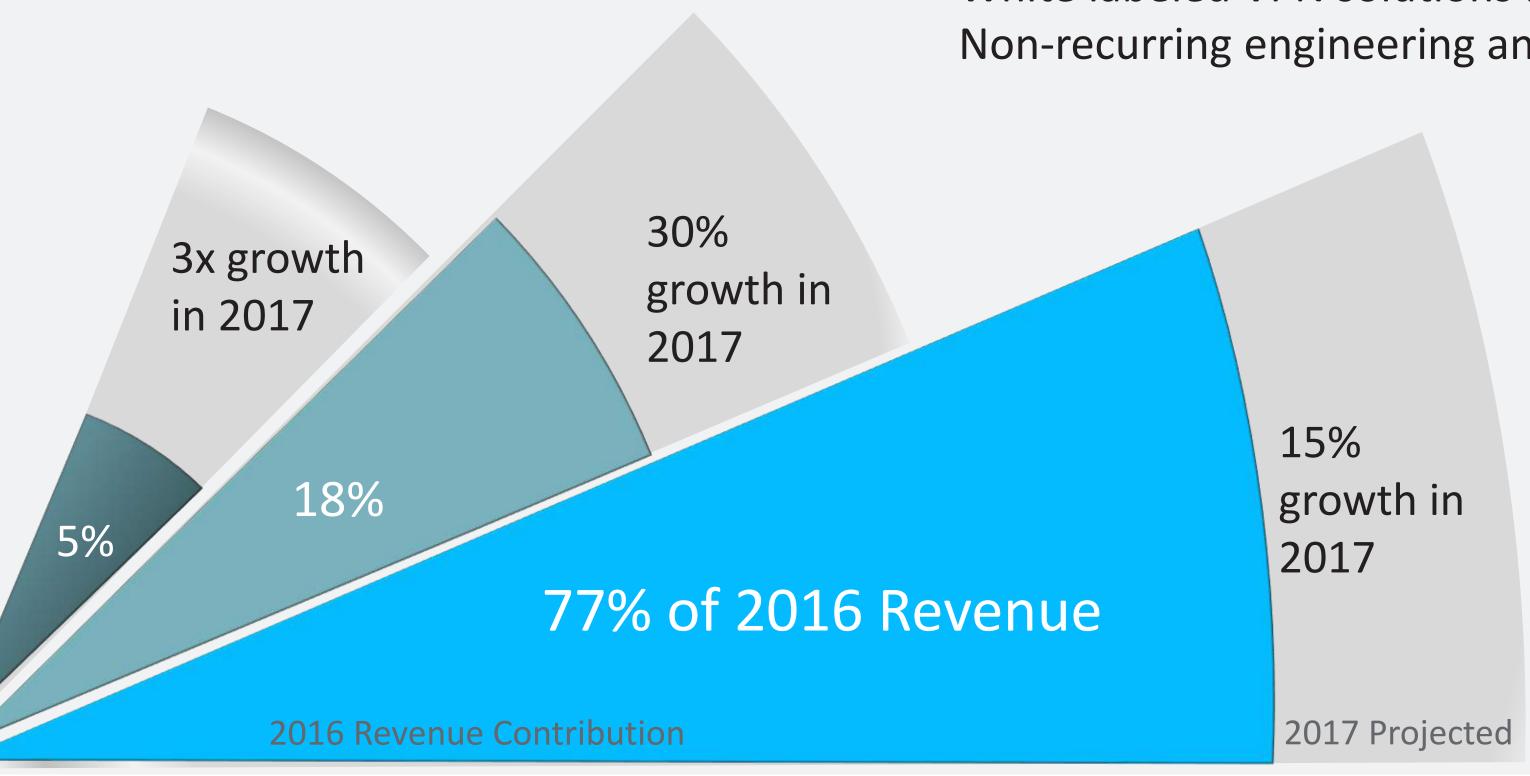
Free VPN for iOS and Android.

Anonymized usage data resold for market research.

84% Growth in 2016 60% Projected for 2017



White labeled VPN solutions for 3<sup>rd</sup> party brands. Non-recurring engineering and recurring service revenue



#### **SurfEasy Direct**

SurfEasy branded VPN for mobile and desktop. High ARPU recurring subscription revenue

## SurfEasy Direct

Premium VPN Brand that stands for Privacy and Security.

High value subscribers with average monthly ARPU for new users above \$4.50 USD.

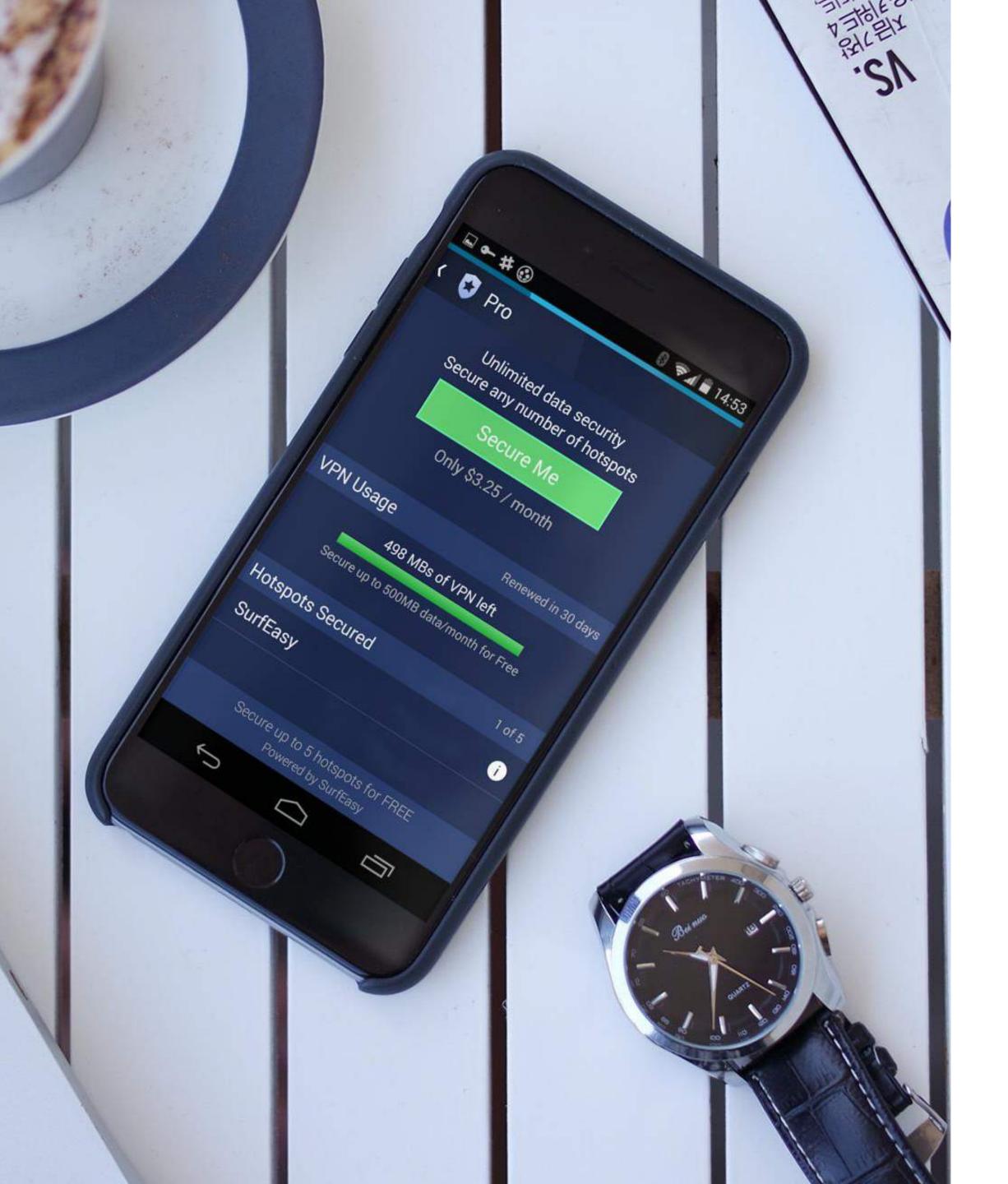
2016 subscription revenue grew an average of 4% month over month.

COGs margins between 5-30%.

Profitable as a standalone business in 2016.







#### Partners

SurfEasy VPN infrastructure powering third party white-labeled solutions.

Tier 1 brands as existing partners (under NDA) with strong inbound deal flow as VPN becomes mass market.

Powering Opera Desktop Browser with 2.7m MAU VPN users.

Lower ARPU than direct – but higher volume and gross margin.

2017 will shift revenue from predominantly NRE to recurring revenues with strong deferred carry forward into 2018.

## Opera VPN

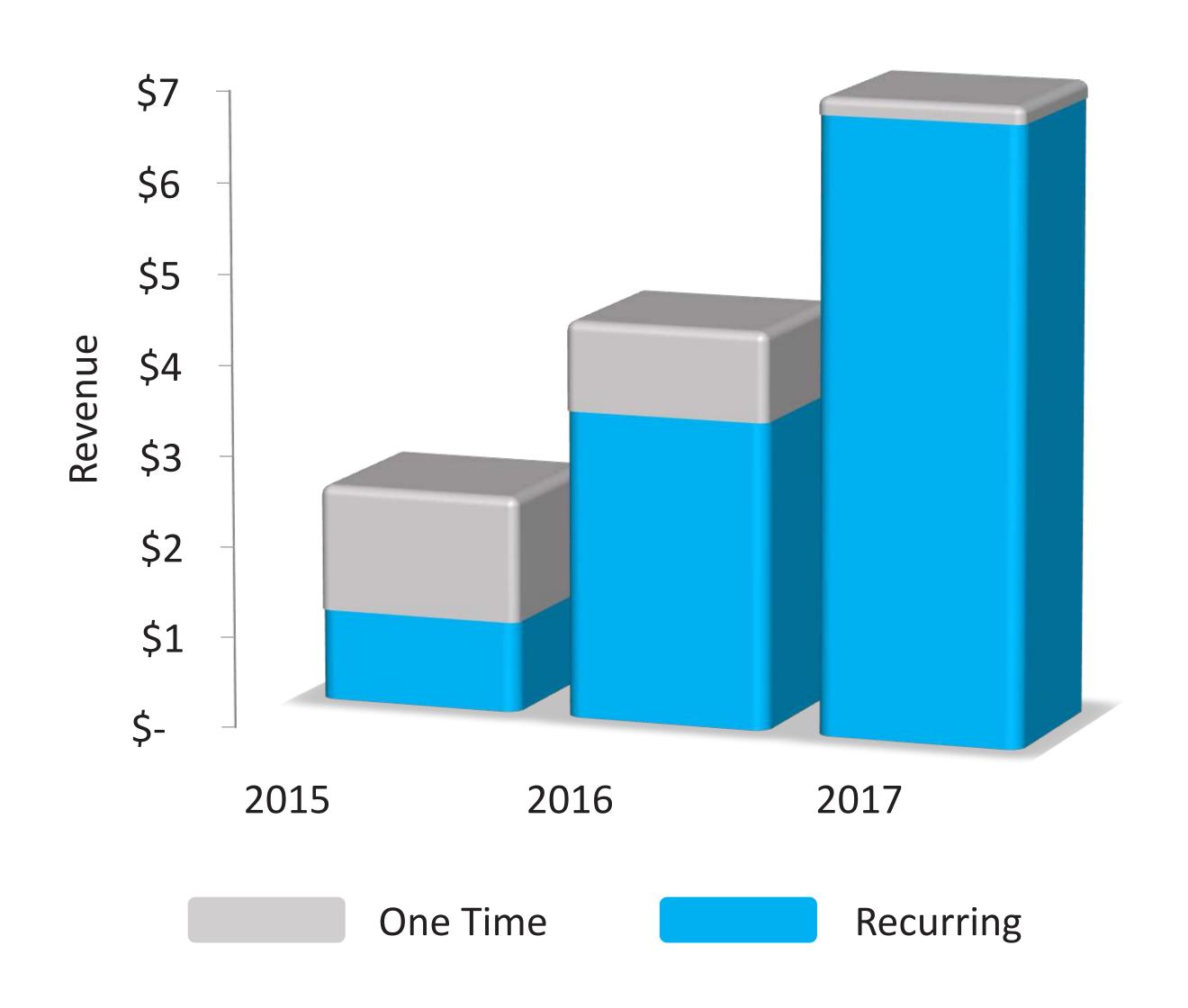
Free VPN for iOS and Android with 2M MAU.

Anonymized subscriber data resold to third parties for market intelligence.

Launched summer of 2016. Past 2 quarters spent restructuring the data collection system independent of Opera Consumer.

First data deal signed in Feb. Strong market feedback and pipeline from multiple industry verticals





#### **Growing Sustainable Revenue**

Strong consistent revenue growth.

Recurring revenue as a percentage of total revenue increasing from 42% to 95% over two years.

Strong momentum behind recurring with significant portion annual subscriptions with deferred revenue.

Combining SurfEasy standalone P&L with Embedded Opera P&L. Bringing combined P&L to profitability by end of the year.

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## Capital Markets Day: Rocket Market Update

Q1 2017

# Agenda

- 1) Top Priorities for the Year
- 2) Market Trends
- 3) Mobile Operator Monetization
- 4) Rocket Platform



# Top Priorities for Coming Year

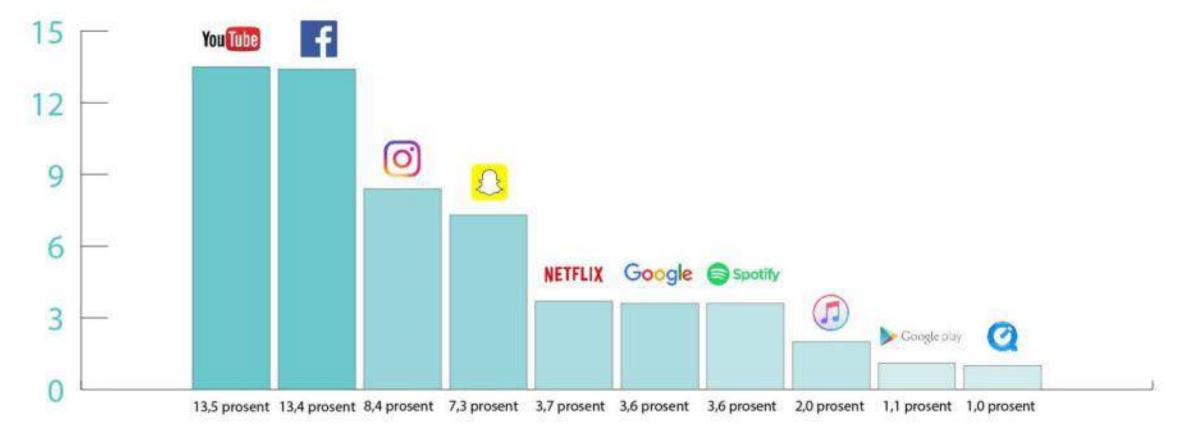


- Ensure positive EBITDA in 2017 and beyond
- Growing pipeline & market share
- Leverage Huawei / partners as profitable channel
- Add 5 New Customers While Expanding Existing Deployments
- Execute on Key Product Priorities
  - Improved Reporting, New Optimization Features



# Explosive Video Growth Across the World

#### **Telenor Bandwidth Drivers**



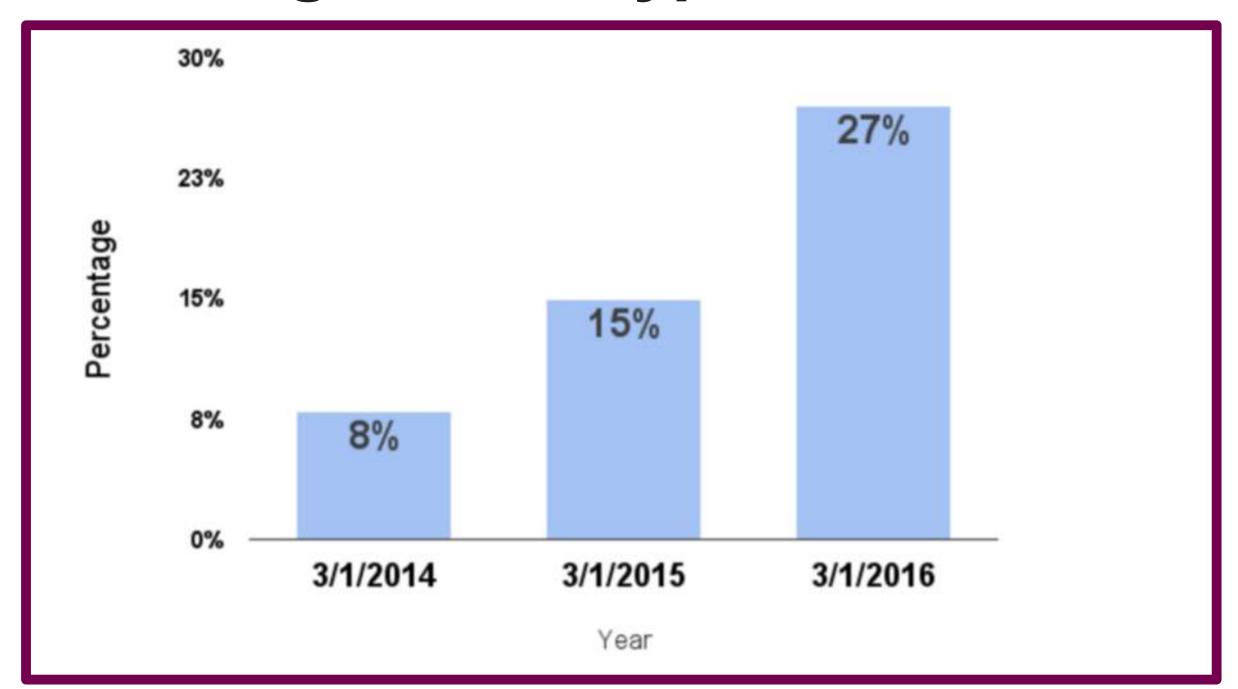
Source: Telenor Press Release

- Video 60%+ of traffic volume in most mobile operators
- "Cheap" and unlimited data driving growth
- Video quality moving to HD / 4K: uses more capacity
- 5G still years off



# **Encryption Has Changed the Landscape**

#### Percentage of Encrypted Web Traffic

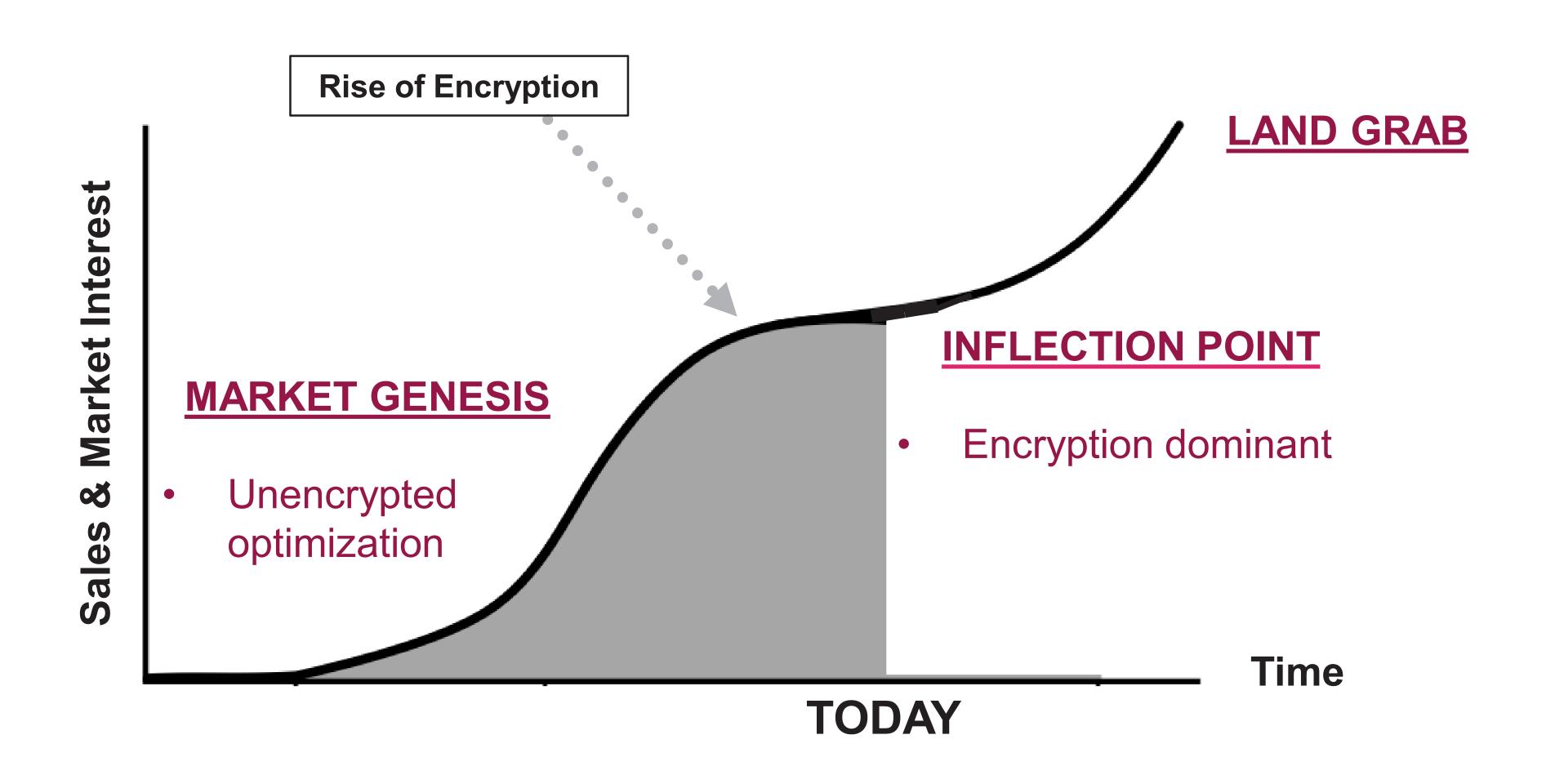


Source: www.netmagik.com

- Traditional optimization relied on shrinking "in-the-clear" traffic
- Growth of encryption necessitates new techniques
- Many vendors (such as Citrix / ByteMobile) have not been able to make the leap



# Optimization Industry is at an Inflection Point





# Inflection Point Creating Opportunity to Grow Market Share

"Optimization Renaissance" (Monetizable Video Services)



ByteMobile Implosion (Void to be Filled)



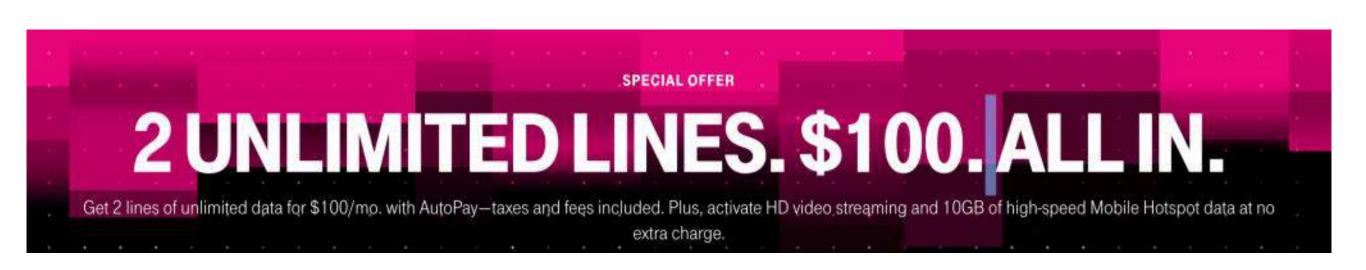


# "Unlimited" Trend in the Market Starting in US; expected to spread!

















#### "Unlimited Buffet" Dramatically Changing Consumption

Usage Scenario	Typical "Limited Data" User Behaviour	Typical "Unlimited Data" User Behaviour
WiFi vs. Mobile	Uses WiFi whenever available	Uses mobile carrier as long as there is signal
Video consumption	Minimize unless on WiFi; limit to short videos on mobile network	Consumes more video on mobile, longer form videos
Netflix Settings	Leaves on "default" for 480p video	Users set to maximum settings and consume far more
Photo backup, app updates, etc.	Configures to WiFi only in most cases	Users set to allow on mobile network – no downside

#### NET EFFECT:

"Unlimited" users are altering their behavior and consuming far more data



#### Most US Operators Limiting Consumption with Optimization

**Example: T-Mobile** 

Mobile	Data Throttled	<b>Unlimited Data</b>	Single Line Data Cost for
Carrier	After	<b>Monthly Cost</b>	2 Years
AT&T Plus	22 GB / Month	\$90 / Month	\$2,160
AT&T Choice	22 GB / Month	\$60 / Month	\$1,440
Verizon	22 GB / Month	\$80 / Month	\$1,920
T-Mobile One	30 GB / Month	\$70 / Month	\$1,680
Sprint	23 GB / Month	\$50 / Month (promotional)	\$1,320



- Unlimited Plan with No Throttling can be enabled.
- Video limiting to "standard definition" by default



# Where/Why Rocket is Used



#### Reasons for Purchasing Optimization:

- Reducing traffic -> Less investment in Radio Area Network -> Lower Opex / Capex
- Reducing video traffic can help QoE by freeing up capacity
- Monetizing new mobile plans (e.g., "Unlimited Data with 480p video streaming")

#### Typical Customers:

- MVNOs (Mobile Virtual Network Operators)
- Mobile operators in developing countries (for data savings / congestion relief)
- Mobile operators in developed countries (for monetization or quality of experience)



## Optimizing Encrypted Videos

- Optimization triggered by pacing encrypted videos from popular OTT video sites (e.g., YouTube.com, Netflix, etc.)
- Savings can be as high as 80% on some services















#### Encrypted video traffic now optimized by Opera

Oslo, Norway - February 25, 2015

Rocket Optimizer adds encrypted video optimization to enhance quality of experience for mobile operators' customers



# Rocket Pipeline Growth



- Mobile operators investing again in optimization solutions, with a focus on encrypted video
- Seeing more optimization RFPs compared to last year
- Initial Huawei customer deployments and proven solution are increasing pipeline and wins.
- New win in Asia with Tier 1 group operator

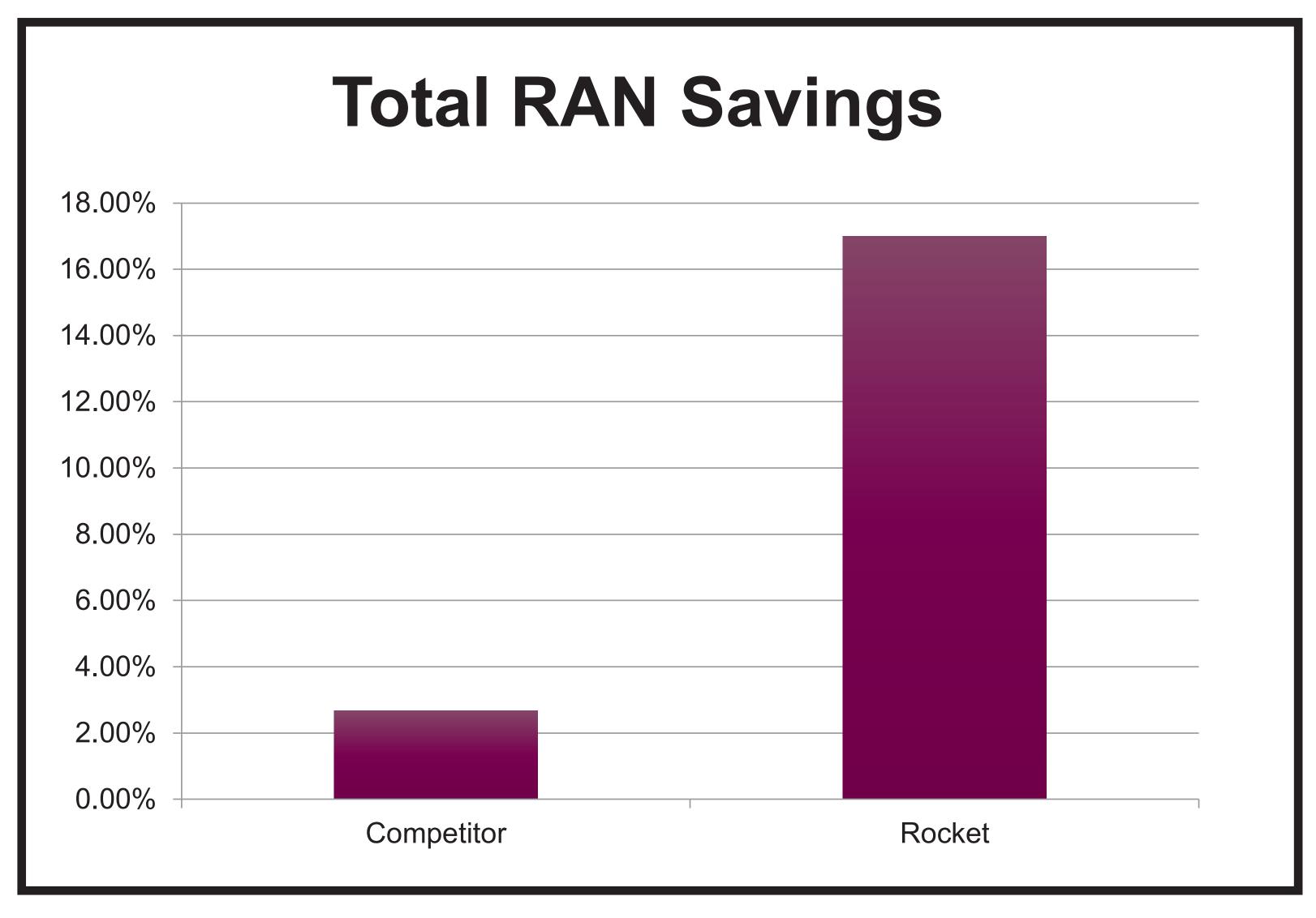
   deployment being kicked off in 2<sup>nd</sup> half

   2017.



# Results from Recent "Bake-Off"

#### Resulted in Rocket Win





# Competition

Function	Rocket	Optimization Vendors	DPI/GiLAN Vendors
Encryption			1/2
Cloud / Virtualization		1/2	X
Architecture		1/2	X
Reporting			



# Summary / Conclusion



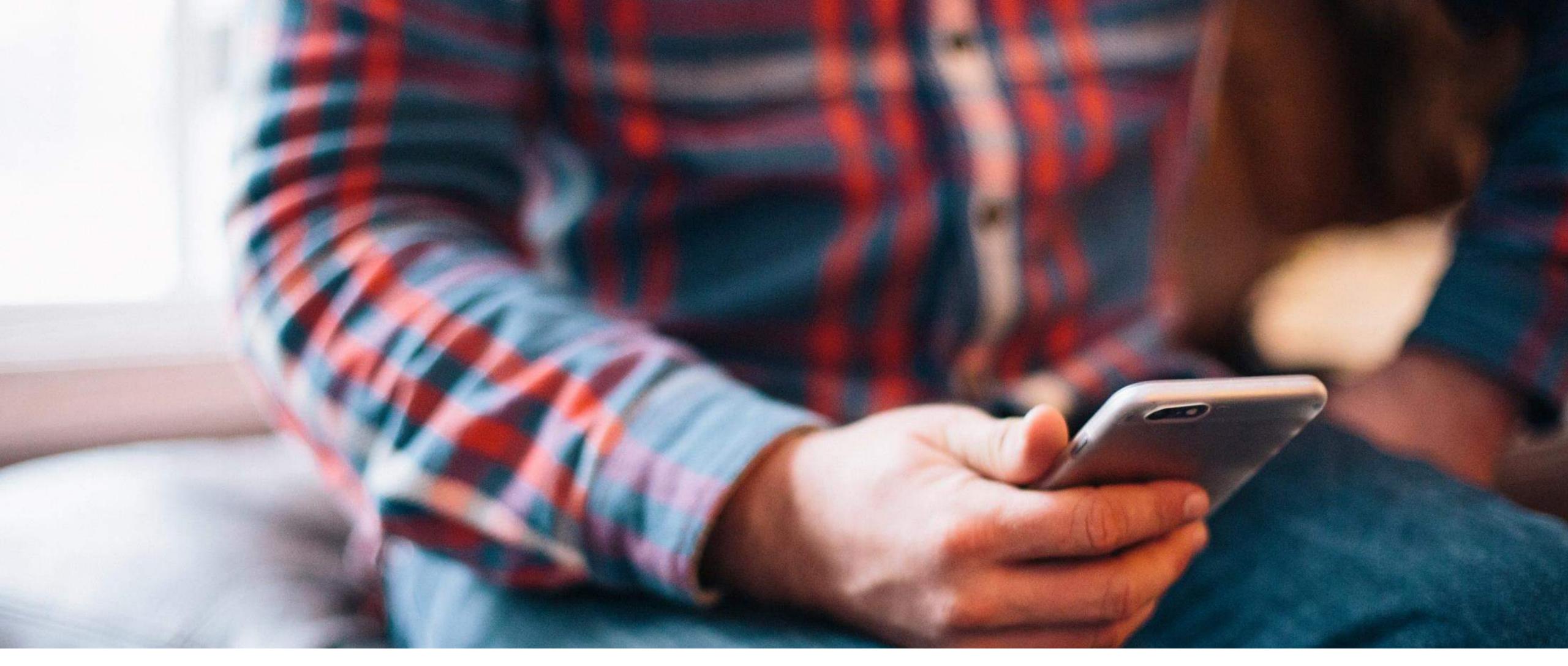
- Optimization market remains a highly competitive market (including new entrants)
- Growing Pipeline
- Monetization (new, more innovative mobile plans) is increasingly the operator focus
- Rocket offers a strong feature set in the market
- Primary focus of Rocket team is to win deals and achieve profitability



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Bemobi (Apps and Games) Company Presentation – March 2017

#### Table of contents

Introduction to Bemobi

II Service offering and distribution channels

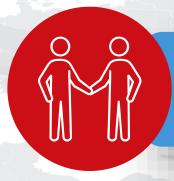
III Strategy and growth

IV Key financials

## Bemobi key highlights



B2B2C model reaching ~2 billion mobile users



Partnerships with 49 mobile operators in 26 countries



~17.5 million paying subscribers

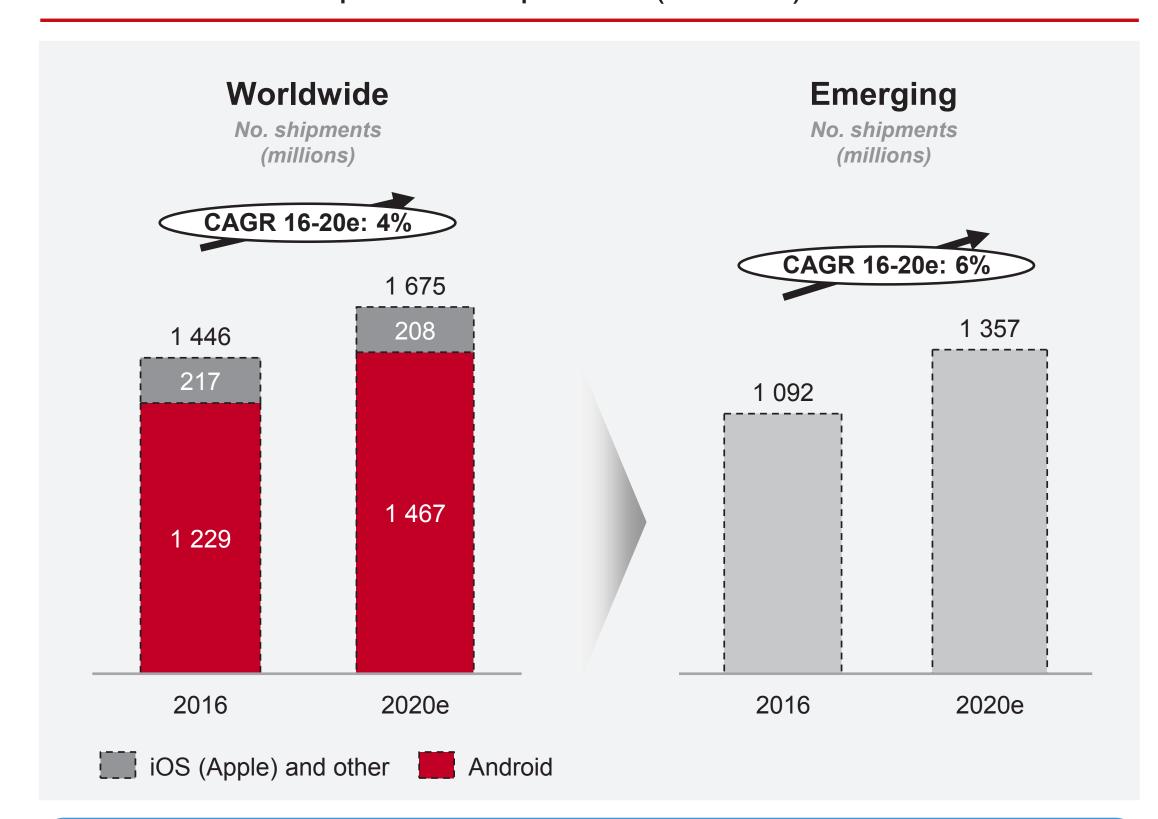


~USD 48 million in revenue 2016

Note: All figures as of February 2017

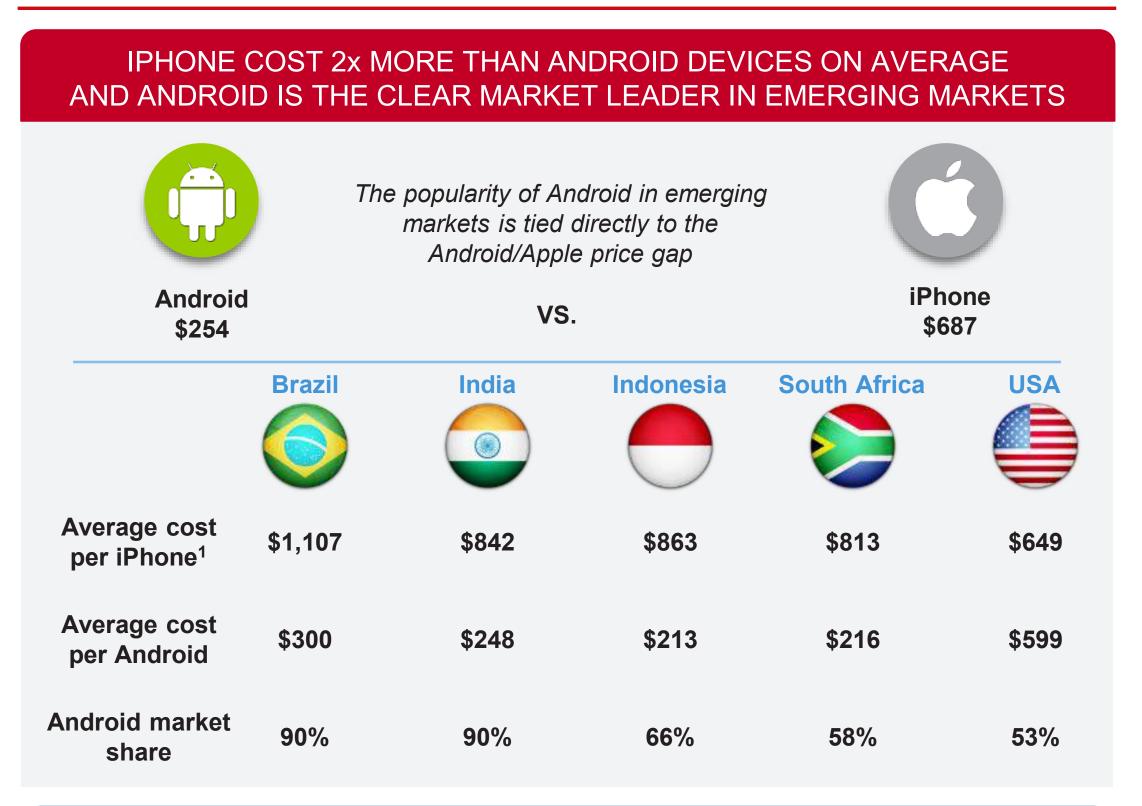
# Android is the platform of choice in emerging markets

Number of smartphones shipments (millions)



Most of the new smartphones will come out of emerging markets

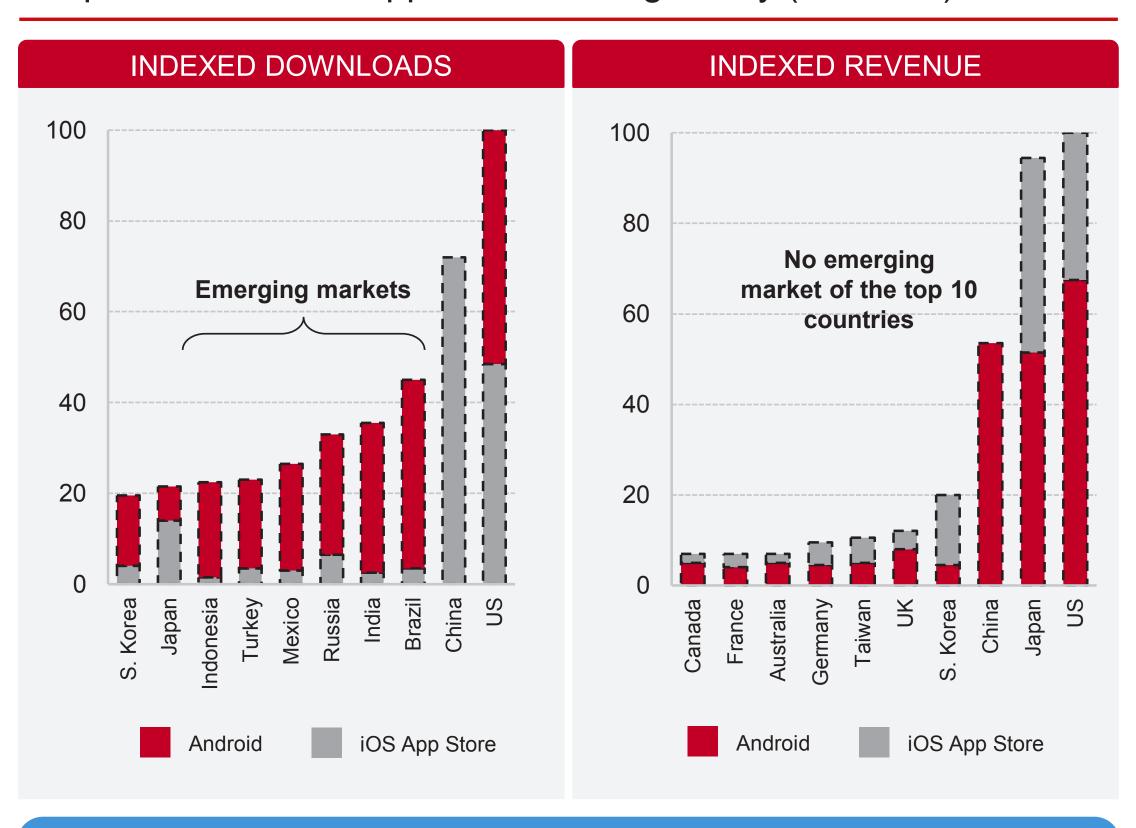
Android vs. iOS (apple) in emerging markets



Android is the clear market leader in emerging markets due to availability of affordable devices

## The app "Monetization Gap" in emerging markets

Top countries: IOS App Store & Google Play (Q1 2016)



Despite the download leadership, no emerging markets appear within the top 10 countries in revenue for apps

Mobile data cost and payment method in emerging markets

	Cost 500MB	Hours of work*			
Brazil	\$13.77	13hrs	Mobile data can be expensive, slow and unreliable in emerging markets  Only 60% of total mobile connections worldwide		
India	\$3.38	17hrs			
Indonesia	\$2.39	6hrs			
US	\$25.00	3hrs	are on 2G		
*Hours	of minimum wage	needs to buy 500MB			
	Brazil	India	Indonesia South Africa USA		USA
	Diazii	India	illuollesia	South Africa	Ø DA
Credit card	220/	40/	00/	4.404	000/
penetration	32%	4%	2%	14%	60%

In emerging markets, willingness to pay for digital content is low and pre-paid SIM cards is the predominant payment method

# New approaches are needed to close the monetization gap in emerging markets

End-user differences





Lower 3G/4G network coverage and lower data packages penetration



Smaller download sizes, off-line and Wi-Fi usage option and mobile data "zero-rating"



Language – Non English speaking localization



"Localization"



Less available income and willingness to pay



"More value for money"- bundles, short subscriptions and lower ticket pricing



Low penetration of credit cards

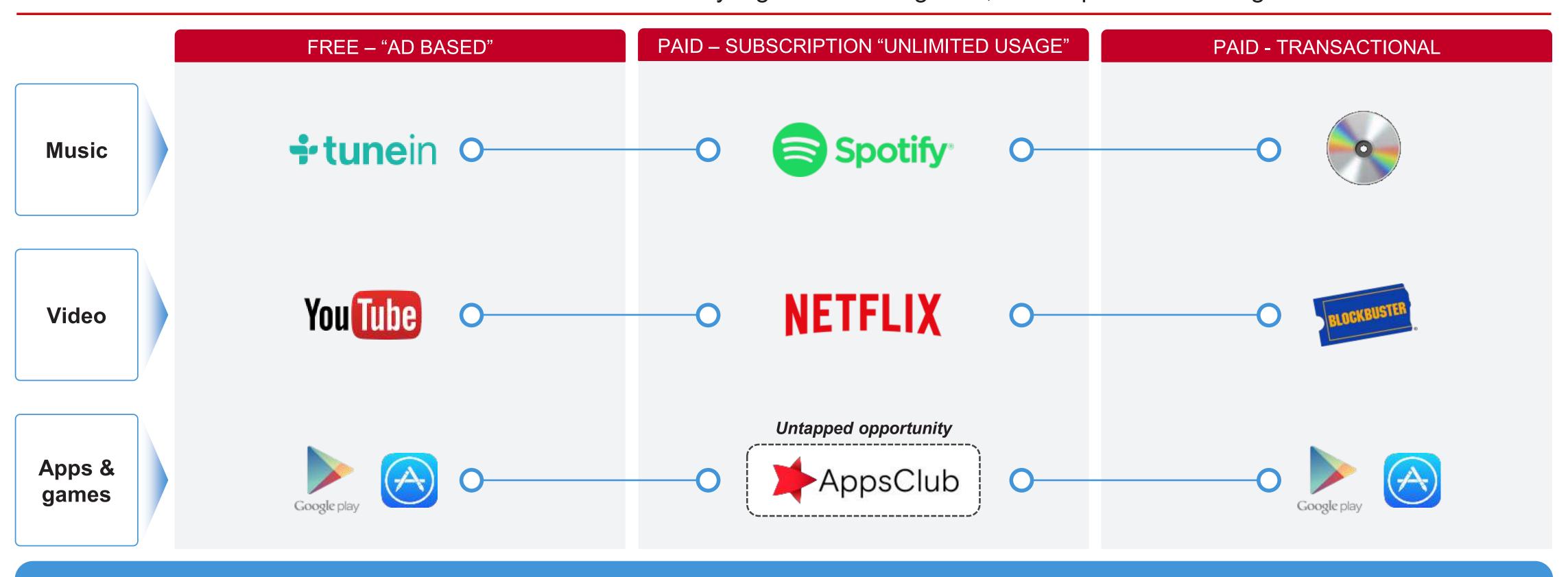


Mobile operator billing or other payment methods

Bemobi has proven their ability to successfully address the emerging smartphone user

#### The app subscription model

Of the three distribution business models that coexist in every digital media segment, subscription has emerged successful



We believe there is an untapped opportunity for a subscription based app and games distribution model – "We want to be the Netflix for Apps and Games"

#### Table of contents

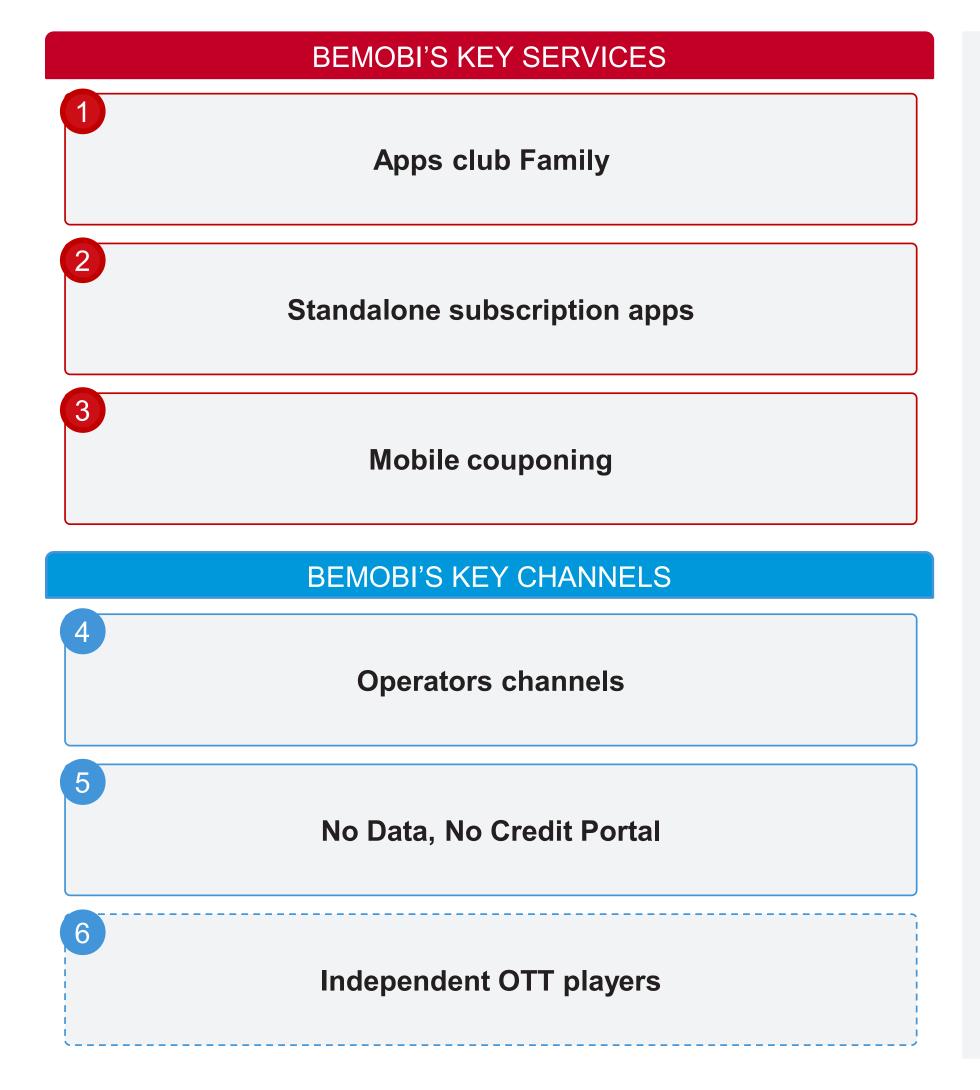
Introduction to Bemobi

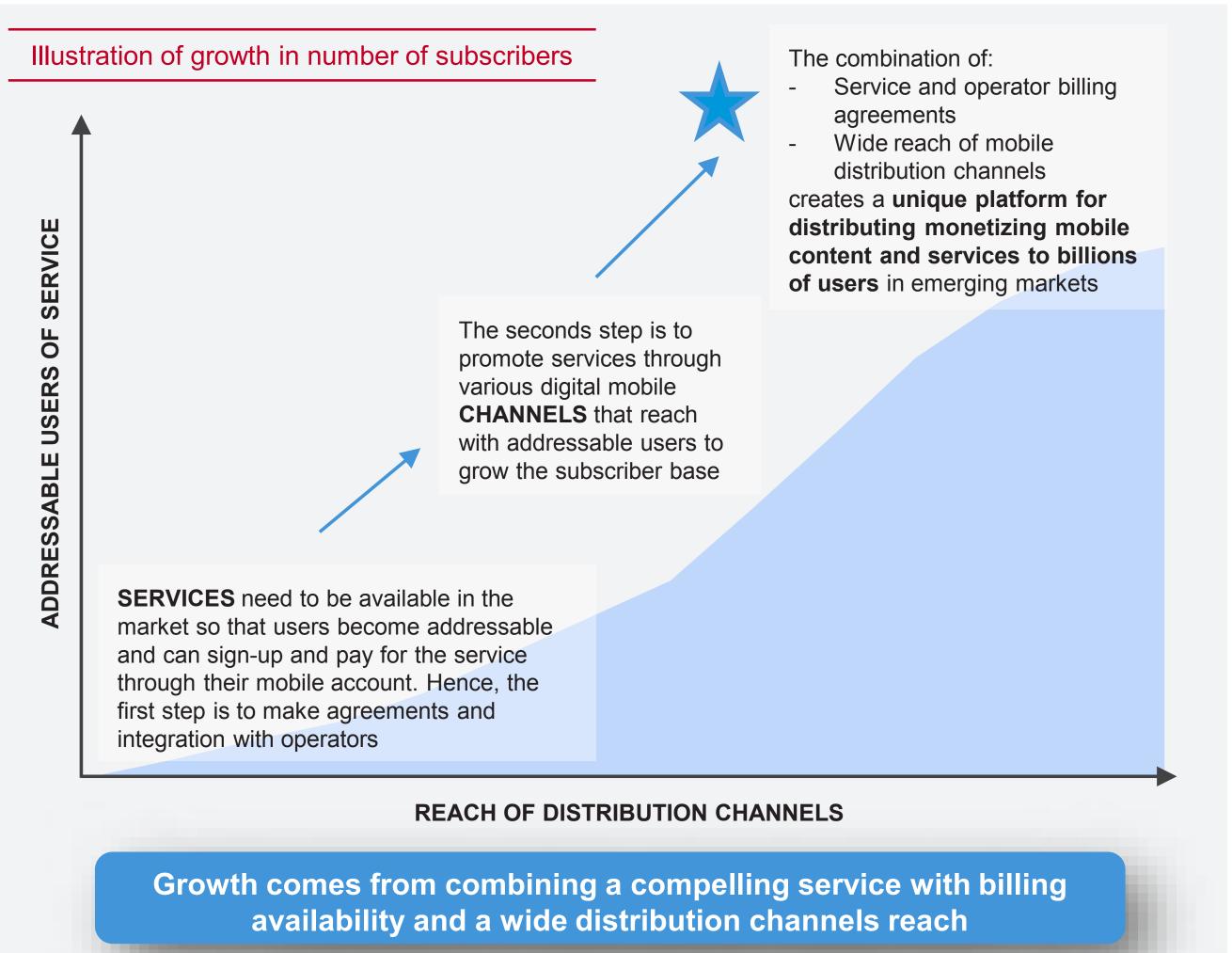
II Service offering and distribution channels

III Strategy and growth

IV Key financials

#### Overview of Bemobi's services and channels





#### Bemobi service offering

1 APPS CLUB FAMILY

Addressing the subscription app demand of emerging markets



2 STANDALONE SUBSCRIPTION APPS

Distributer of premium app based services in emerging markets



MOBILE COUPONING

Market leading couponing service in Brazil



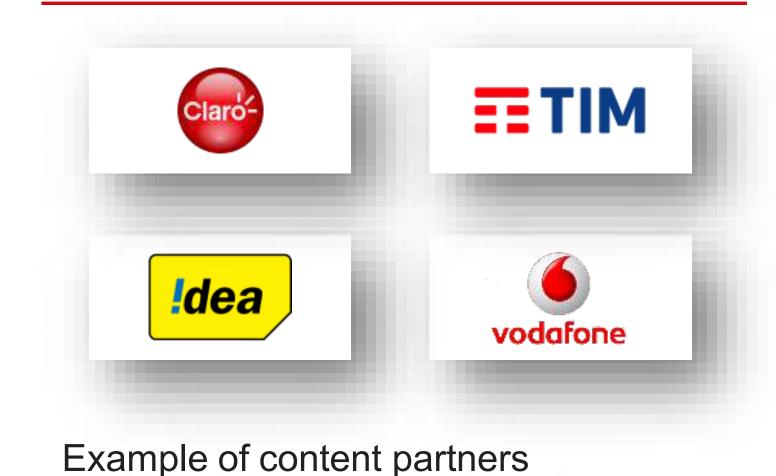
Integrate people and mobile content through technology and subscription based models

#### Apps Club family

#### Description

- Apps Club h family are services that gives users in emerging markets
  unlimited access to different bundles of curated high quality apps for a low
  subscription fee, across multiple verticals such as games, kids, utilities, health &
  fitness, education and entertainment
- The service is mainly offered in partnership with leading mobile operators in emerging countries
- Distribution partners contribute with co-branding, promotion and distribution, by pre-loading the services storefront into their clients' smartphones, and by providing billing integration
- Its distribution and bundled billing model complements the existing Free,
   Freemium & Pay per Download models available from Google Play
- Users don't need credit cards as billing is done by the operator and in many cases there is no need for a mobile data plan to download new apps since the service is zero-rated

#### Example of operator partners





### Key stakeholders in ecosystem



End-users sign up to

and Games

15-day free trial

to the end-users'

balance

get unlimited access to

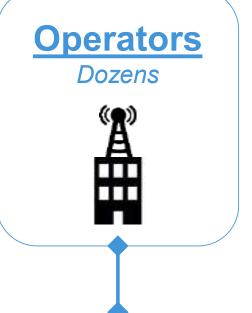
the best premium apps

A weekly subscription

fee is charged directly

prepaid mobile phone





- Co-brands the service
- Jointly defines pricing and marketing positioning
- Provides operator billing integration
- Promotes the service aggressively
- Pre-loads the Apps Club app store into its Smartphones
- 1st level customer care

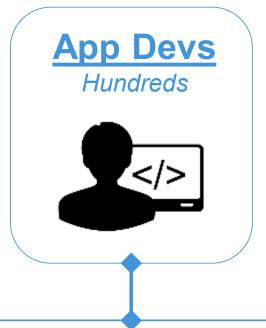




End-to-end user subscription acquisition and life-cycle process including billing management

Bemobi

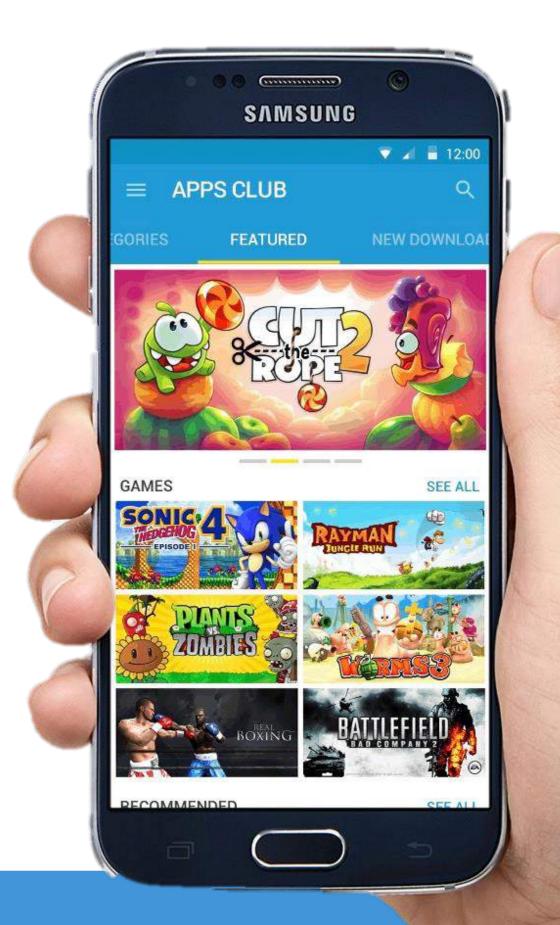
- Applies the DRM to protect publishers IPs against unintended use (no code change required)
- Manages the global revenue share settlement with hundreds of developers
- Provides and operates complete end to end platform: Native Store front; Online portals for operators and developers; Full DRM and analytics
- 2<sup>nd</sup> level customer care



- License IP through non-exclusive standard online distribution agreement
- Provide existing APK
  (Google Play or
  Amazon build) no
  code change required
- Receive revenue share from all paying subscribers divided amongst publishers proportionally to unique daily usage of each app

#### Value proposition for consumers

- Top premium paid apps, complete without ads
- Highly curated i.e. best apps only with ★★★★ stars and above
- No need for credit card
- More value for money over \$5,000 of premium apps or included In-App-Purchases for only ~\$1-2 per month
- No need for a data plan to download new apps
- 15 day period of free trial
- Complements the existing Free & Pay per Download model from Google Play



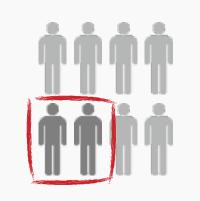
A subscription model based on real usage provides a better value for consumers

### Value proposition for app developers

**Transactional** 

Very high app competition, where hundreds of thousands of apps compete for visibility – users also value each app differently, thus a fixed pricing is inefficient

Millions of users with smartphones in emerging markets, but just a small percentage have credit cards and the willingness to use them

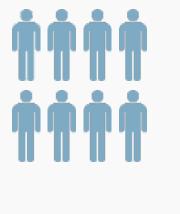


Few apps
downloaded
and even fewer paid for
– especially in emerging markets

Apps Club

Limited app
competition, where
just a few hundred
curated, premium
apps are pre-selected and divided
among noncompeting categories

Hundreds of Millions
of users with
smartphones,
all of them enabled
by operator billing to pay for apps



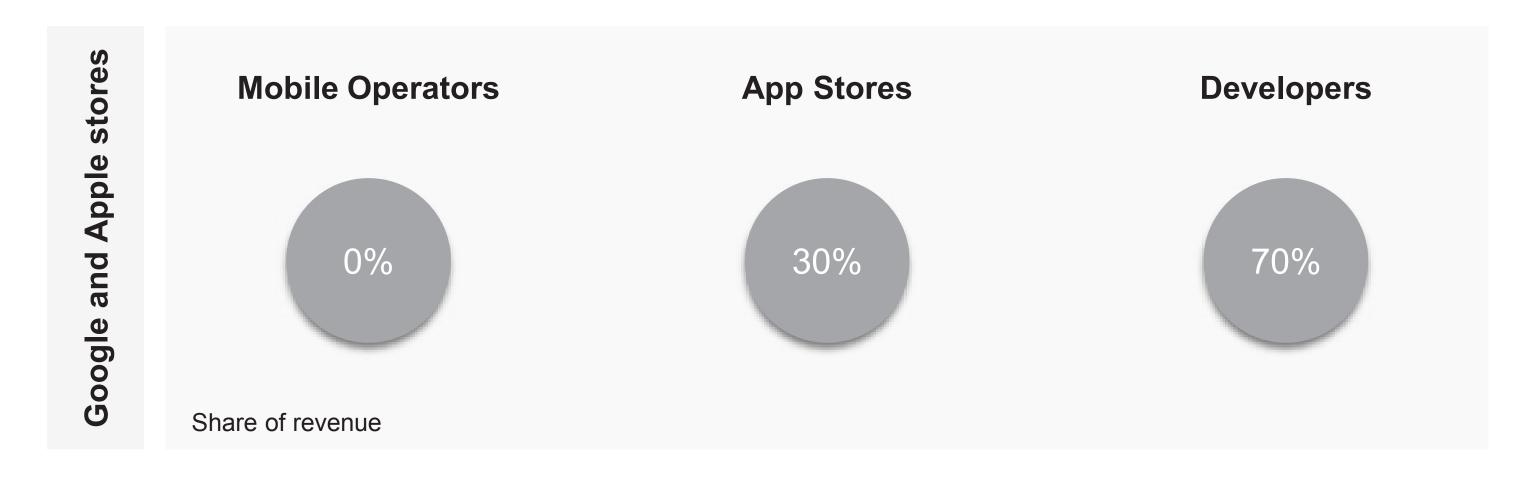
**Everyone a**paying customer,
and no incremental
cost under the
subscription model — lots of apps
downloaded and used on a recurring
basis

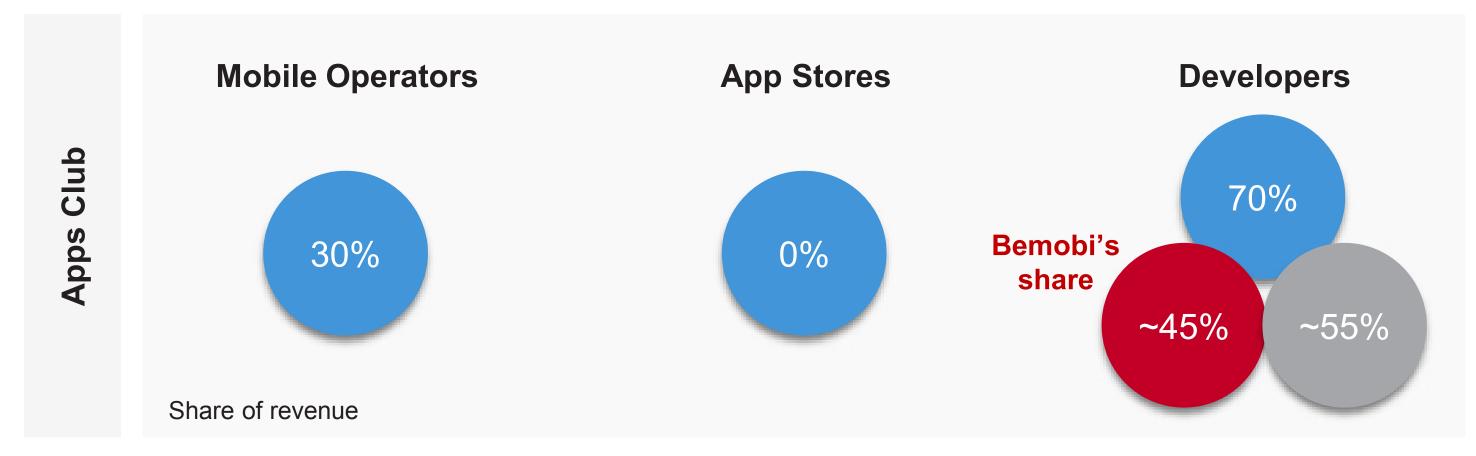
Additional sales channel and incremental revenue to the existing Google Play & App Store

No need for additional development or new app builds required (no SDK)

Recurring revenue represents a better monetization model for emerging markets

#### Value proposition for operators





Reclaim a role in the app distribution and monetization value chain

Increase customer loyalty by associating the "app stickiness" to their mobile service subscription

New source of incremental recurring revenue

# Apps Club Catalogue



App Club's premium app catalogue



**Best Rated** - ★★★★ stars and above



**No Advertising** 



Premium titles or F2P In-App-Purchase credit included



Most popular apps in Google Play with hundreds of thousands of downloads



Best Value - Over USD 5 000 in Premium Apps and IAP's included

Apps Club has the best curated selection of top premium apps, thereby providing a unique value proposition

# Apps Club Over 200 top publishers





























#### Bemobi's distribution channels

1

#### **OPERATORS**

When a deal is signed with an operator, the operator commits to doing marketing and promotion and is thus a distribution channel for Bemobi

#### **EXAMPLE:**

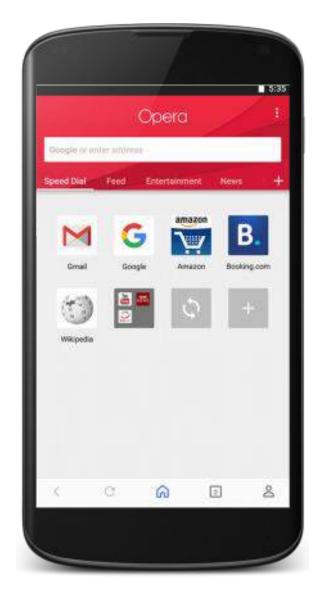
- SMS and Smart Messages push campaigns
- Billing insert campaigns
- Store promotions and bundles
- Media campaigns– magazine inserts andTV spots



2

#### INDEPENDENT OTT PROVIDERS

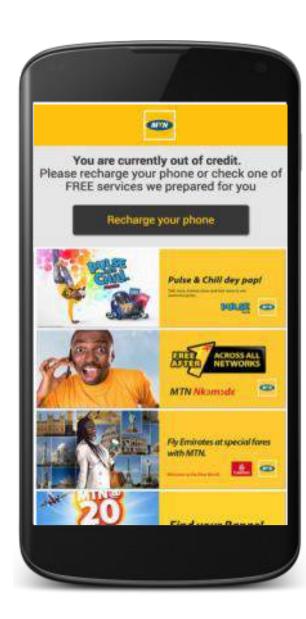
Partnering with leading OTT providers leveraging their audience and Bemobi's emerging market service offering (rev. share based)



(3)

#### NO CREDIT, NO DATA PORTAL

Bemobi has created a turnkey solution for operators to capture when users are out of credit or data



### No Data, No Credit portal

#### Description and value proposition

- More than 95% pre-paid mobile subscribers in emerging markets, and 60% to 70% are out of credit at any given time
- Currently most mobile operators' subscribers experience is just a dumb info page or SMS informing users that their service was discontinued for the lack of air-time balance or data allowance
- Bemobi portal offers subscribers the option continue their service, while also offering operators a new sales channel
- Portal triggers:
  - No Credit / out of balance
  - No data / out of bundle
  - 404 Error / content unreachable
- The portal is a highly effective touch point, typically reaching 30%-50% of the operators subscriber base in any given month
- Free distribution channel, where Bemobi has control of a significant part of its inventory
- Currently launched with all key operators in Brazil (i.e. Oi, TIM, VIVO and Claro) and in deployment phase in additional operators internationally

#### Key attributes

#### Main message:

User notification of their current status - no credit and/or data

#### Primary call to action:

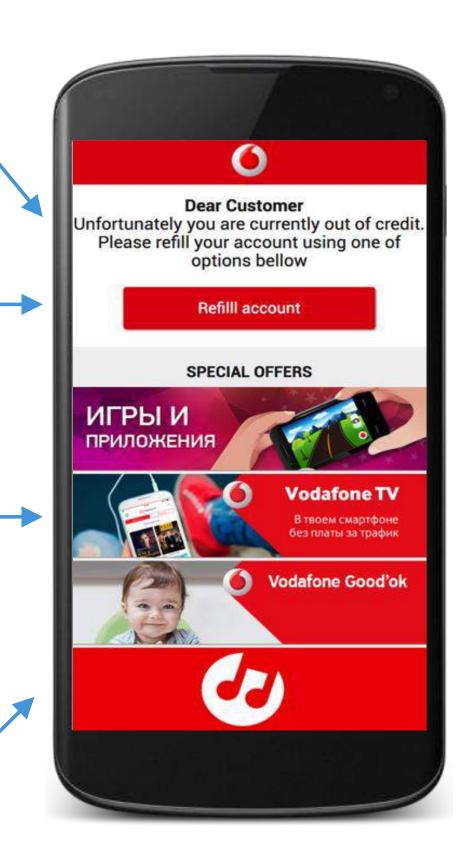
Option to top-up/recharge/buy a bundle/ loans etc.

#### **Secondary call to action:**

Services offered by operator to users with no credit/data, e.g. subscription services with a trial period, own portal, etc.

#### **Additional opportunities:**

Link to operator portal/inventory, advertising, 3<sup>rd</sup> party monetization etc.



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II Strategy and growth

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# Growth strategy 2017e-2019e

#### **Creating a global distribution** platform for emerging markets

Exponential growth through a scalable business model

#### Replicate Brazilian successful channel strategy in emerging markets globally

- Operators
- No Data, No credit Portal
- OTT partnerships

#### **Deploying services in emerging markets** with large number of mobile subscribers

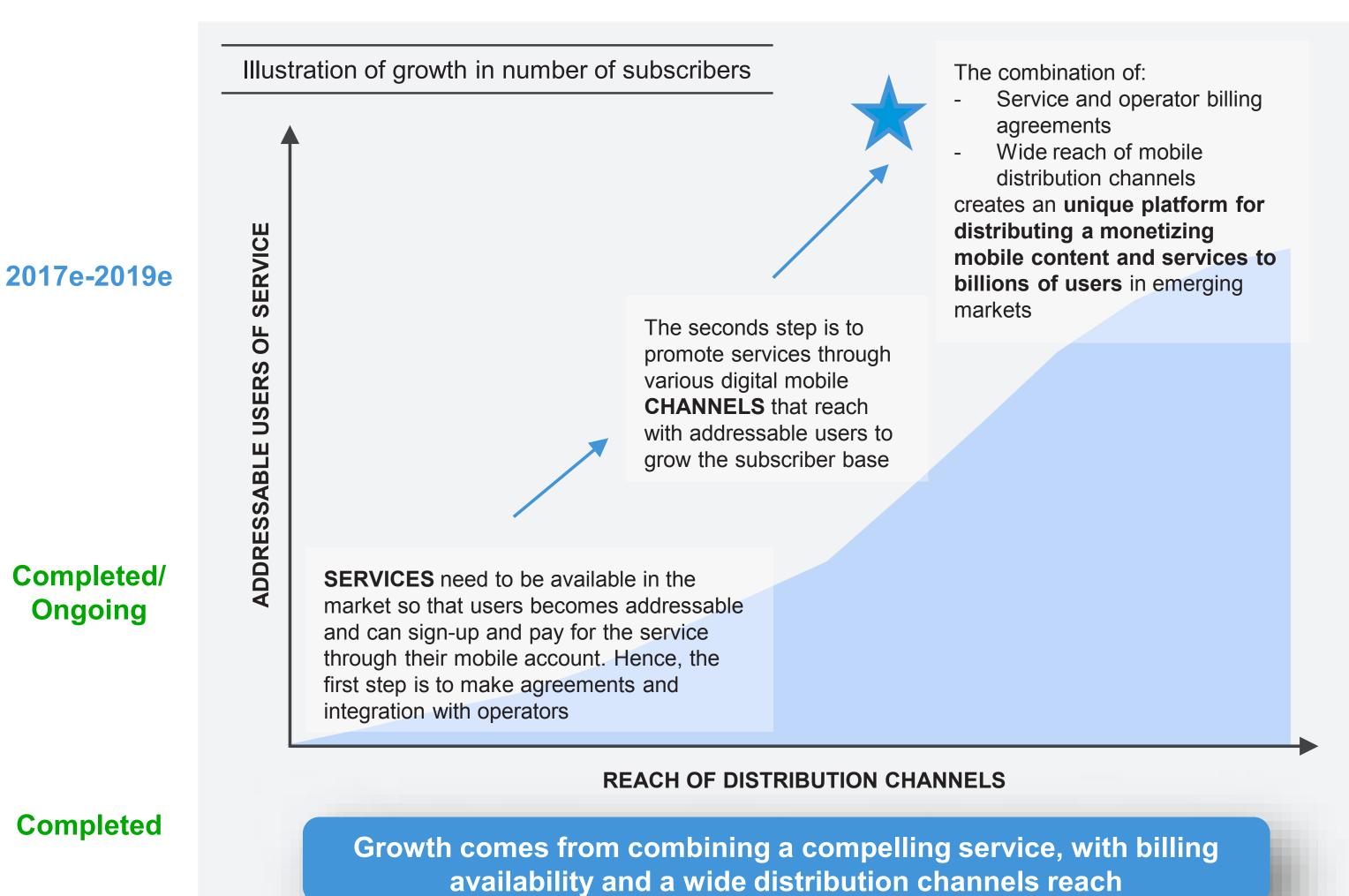
Service agreements with international operators in key emerging markets

Completed/ **Ongoing** 

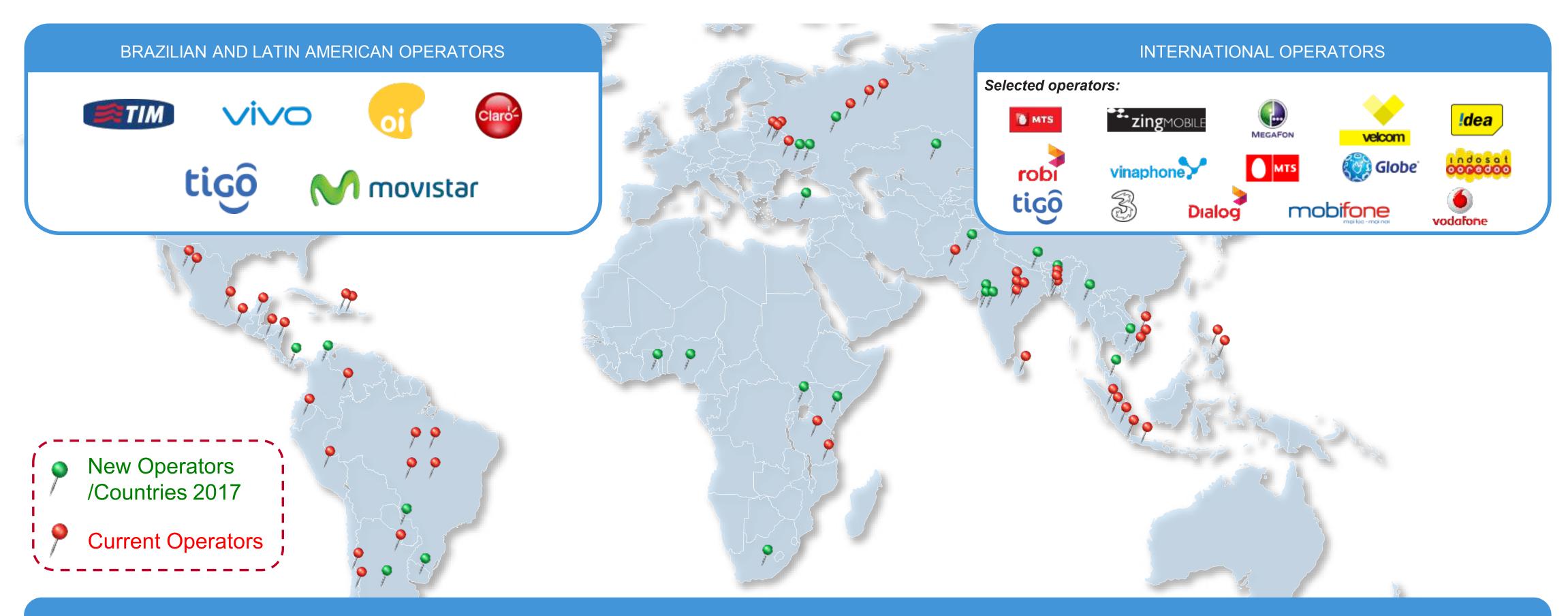
#### Successful deployment of services and channel roll-out in Latin America

Service agreements with 20 operators in Latin America

**Completed** 



# Addressable user base of service of approx. 2bn users



By year-end 2017, Bemobi expects to have 70 operators launched in the largest emerging countries increasing the addressable user base to 2.5bn users

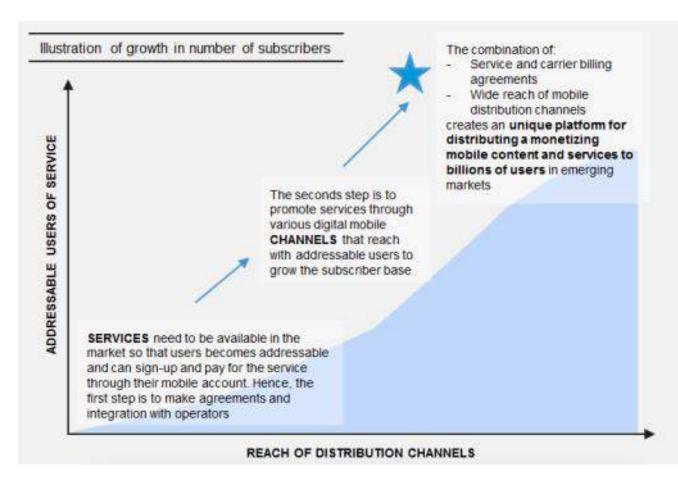
# Combined future potential reach from distribution channels (international)

**Potential gross Current gross** monthly Growth monthly subscribers subscribers ~0.22m ~2.15m 10x Monthly subscribers from operator channel: Monthly subscribers from NDNC channel: ~7.13m ~0.00m n.a. ~4.42m 5x Monthly subscribers from partners: ~0.88m **Total monthly subscribers:** 1.10m 13.70m 12.5x

A successful channel strategy has the potential increase gross monthly subscribers inflow by 12.5x

# Creating the leading emerging markets distribution and monetization mobile platform

- 1. Secure billing integration and service agreements with all key emerging markets mobile operators
- 2. Develop effective marketing channels to promote and sell services in the same markets
- 3. Pilot owned or third party service locally<sup>1</sup> and scale globally





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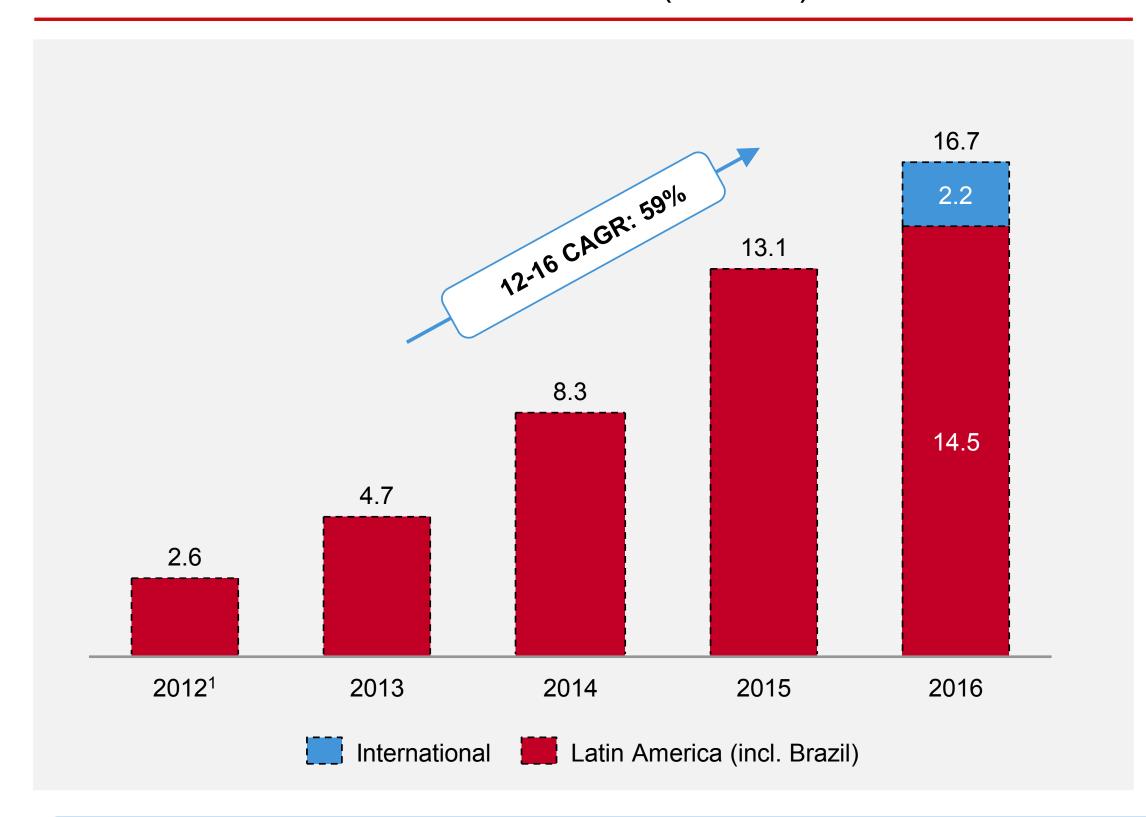
II Service offering and distribution channels

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# 2012 – 2016 number of subscribers

Number of subscribers 2012 – 2016 (millions)



Key growth drivers going forward

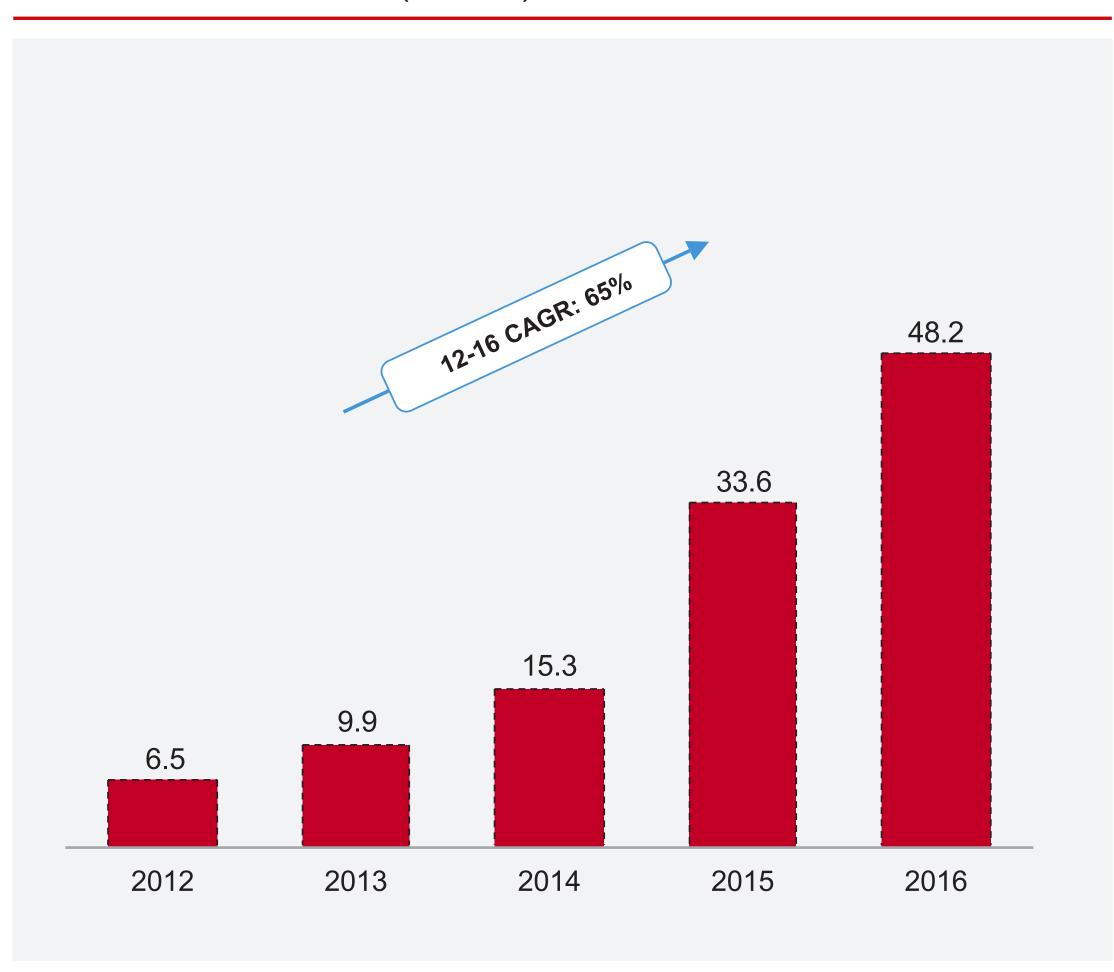
- Signing of new agreements with both Latin American and international operators during 2017e-2019e, of which a majority is expected to be signed in 2017
- Successful implementation of the No Data, No Credit Portal internationally
- Secure international OTT partnerships
- Continuation of conversion and billing rates

International emerging markets expected to be the main driver for continued growth

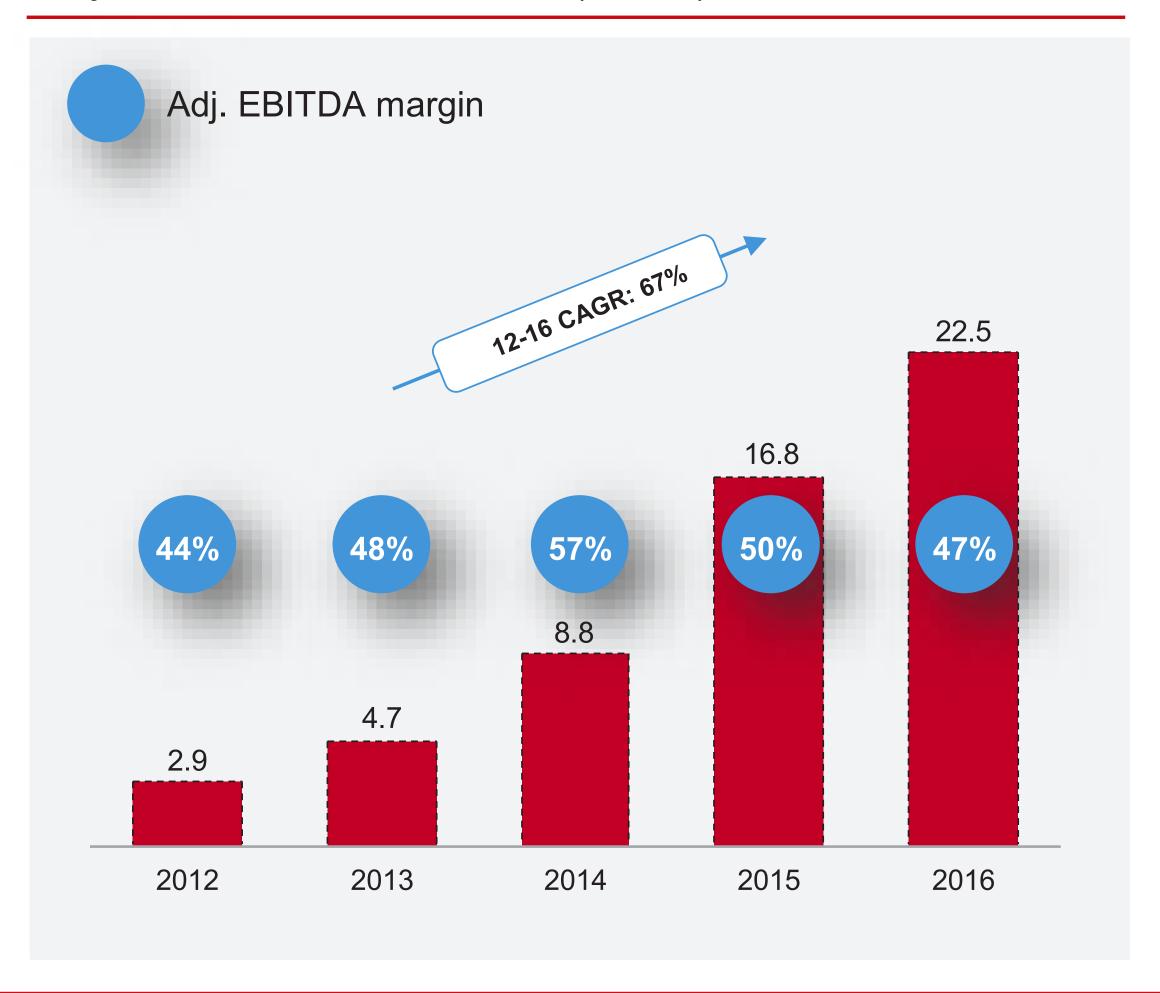
Note: 1) Estimated figure based on yearly average

# Historical financials

Revenue<sup>1</sup> 2012-2016 (USDm)

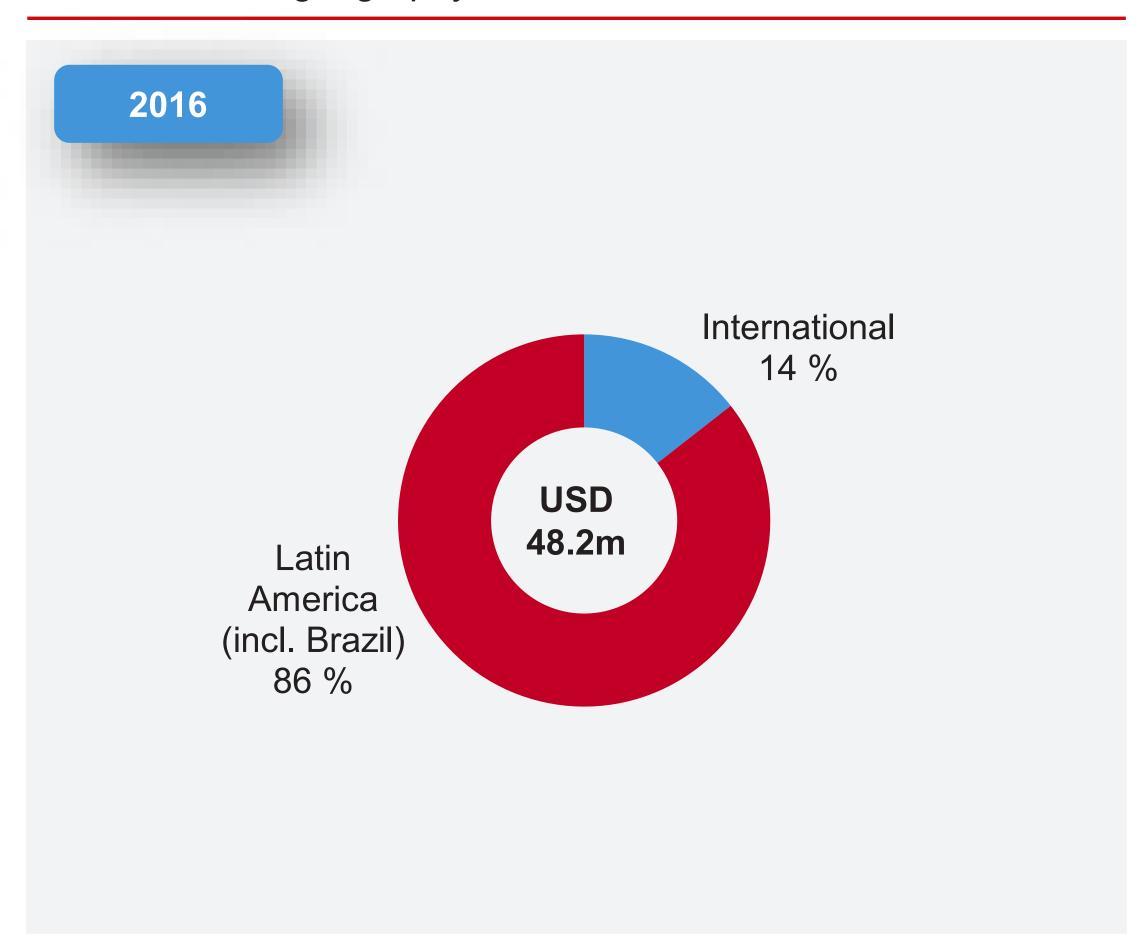


Adjusted EBITDA<sup>1,2</sup> 2012-2016 (USDm)

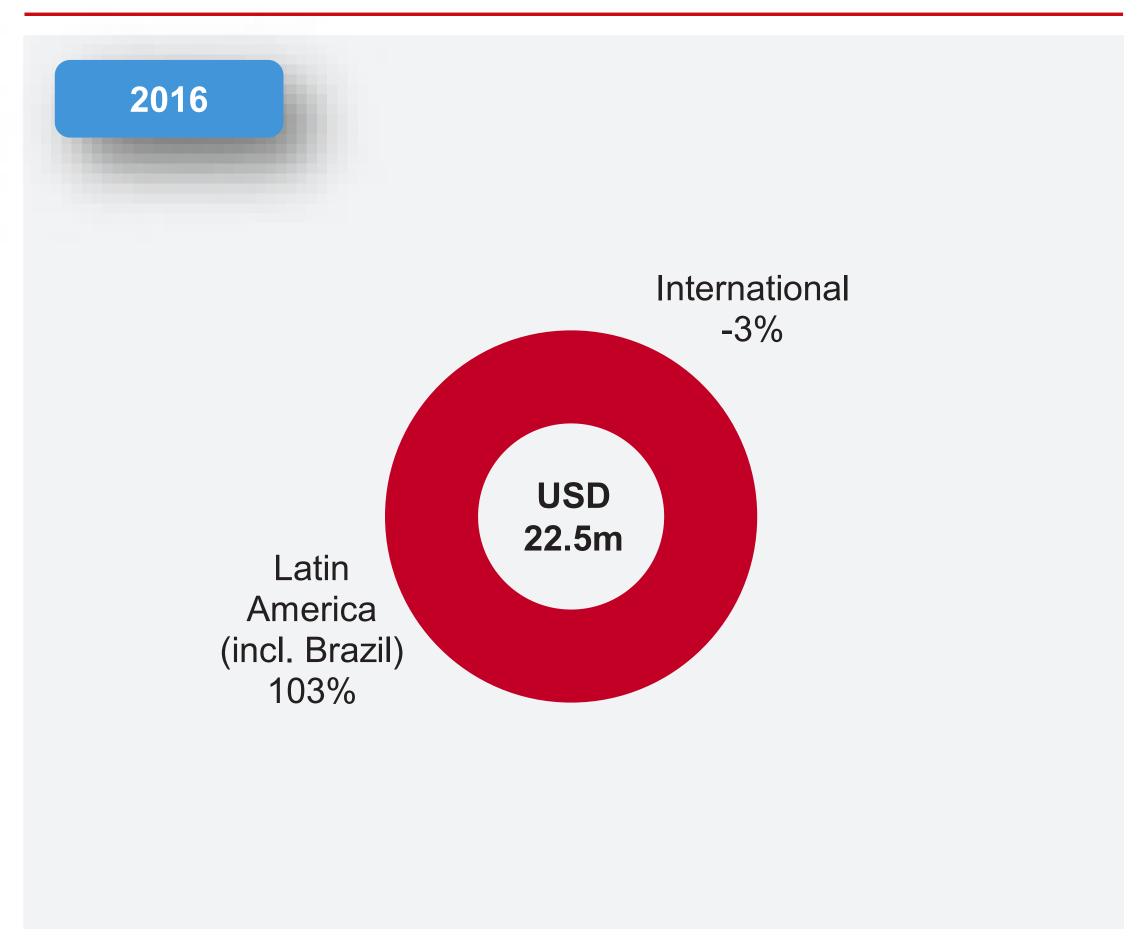


# Revenue and EBITDA by geography 2016

Revenue from geography

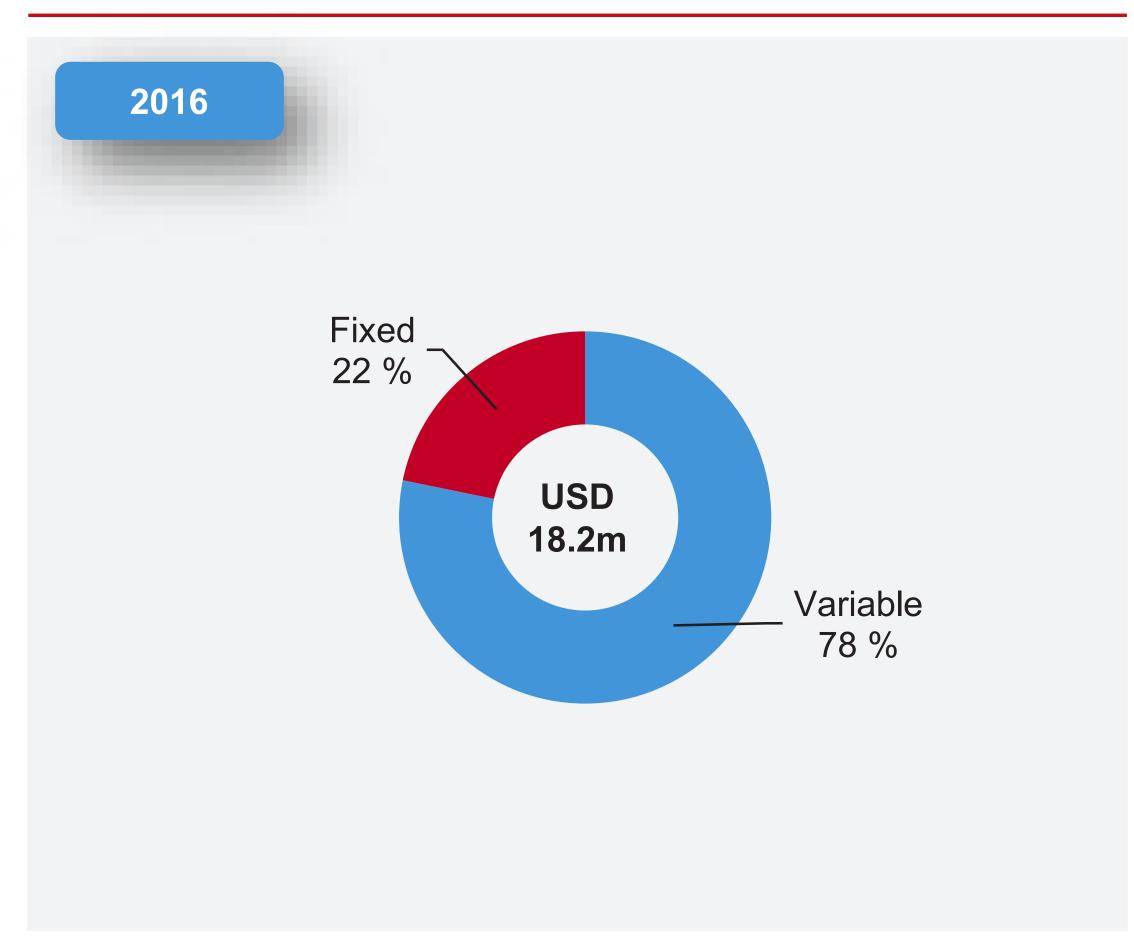


Adjusted EBITDA from geography

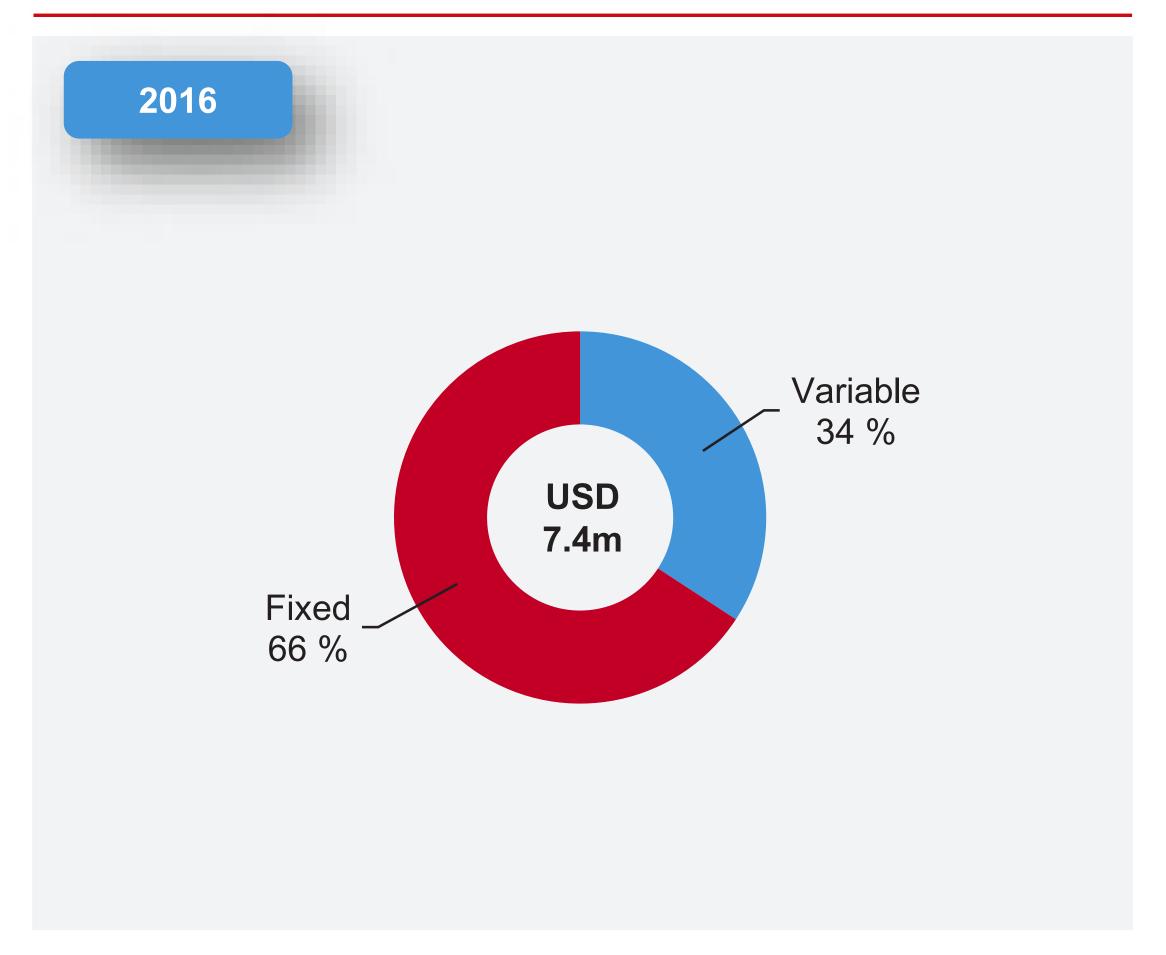


# Fixed and Variable cost by geography 2016

Fixed vs. variable costs<sup>1</sup> by geography – Latin America



Fixed vs. variable costs<sup>1</sup> by geography - International



# Key financials

Key financials 2016 (USDm)

Key financials	2016
Total revenues	48.2
Acquisition cost	0.2
License cost	16.6
Gross profit	31.3
Margin (%)	65%
Compensation	7.0
Hosting	0.2
Other expenses	1.6
Total operating expenses	8.9
% of sales	18%
EBITDA	22.5
Margin (%)	47%

#### Key drivers behind



- License cost represents revenue share with app developers
- Acquisition cost represents the cost related to OTT partnership
  - Only related to international markets, as subscribers in Latin America comes from operator and NDNC channels
  - Increase in 2017 is related to the sale of Opera browser business, which previously was not reviving a revenue share
  - Decreases as % of sales over time as NCNC portal is successfully implemented
- Fixed cost base is primarily related to compensation, which is driven by headcount
- Bemobi does not expect any significant increases in headcounts to being able to deliver growth in the next three years. Hence, fixed cost base is expected to remain relatively stable



# CAPITAL MARKETS DAY 2017

OPERA SOFTWARE



# (ADCOLONY

# CMD 2017 Agenda



- 1) AdColony Overview- Will Kassoy (CEO)
- 2) Product Overview- David Kurtz (CPO)
- 3) Performance Business- Bryan Buskas (CCO)
- 4) Brand Business Mike Owen (CRO Brand)
- 5) Closing- Will Kassoy (CEO)

# Background



- 1) 2016 delivered 6th consecutive year of record revenue
  - Organic growth vs. Acquired growth
  - Faster than market growth in Programmatic, Video, Brand Performance and amazing International expansion from EMEA & APAC!
  - Video business milestone \$300M+ in revenues
- 2) Integrated business and unified company organization structure with aligned goals and team leadership; Started "Apollo" initiative
  - Big accomplishment to unify 11 companies around the world
  - Hard work lots of change, new leaders
  - Product & Technology teams coming together
  - Commercial teams forging business w/limited new products
- 3) Well positioned for the future

# Positioned for Long Term Success



### 1) Mobile market continues to grow

- 2017 is inflection point year where digital media > TV in US
- Video, Performance & Programmatic = growth drivers

# 2) AdColony holds strong Market Position

- SDK footprint 2nd only to Google in top 1000 apps globally!
- Diversity of revenues Brand, Performance & Programmatic & International
- Differentiated technology add value via creativity and data science/Al
- Global scale, revenue growth, profitable and strong balance sheet

# 3) Apollo - Unified Platform unlocking Revenue Growth/EBITDA yield

- Biggest slate of new products the company has ever seen!
- Focused all development on prioritizing revenue generating products first so that the commercial teams are armed w/the products they need to drive growth
  - Today: Aurora SDK, Apollo & CORE impacts to Rev, Margin & Opex

AdColony Overview

# The Largest Independent Mobile Advertising Platform



User reach, SDK footprint, and brand/developer relationships are unmatched



1B+
Global unique users reached every month



SDK directly integrated with more top apps than anyone but Google



90%
of the Ad Age Top 100
brands have worked
with us

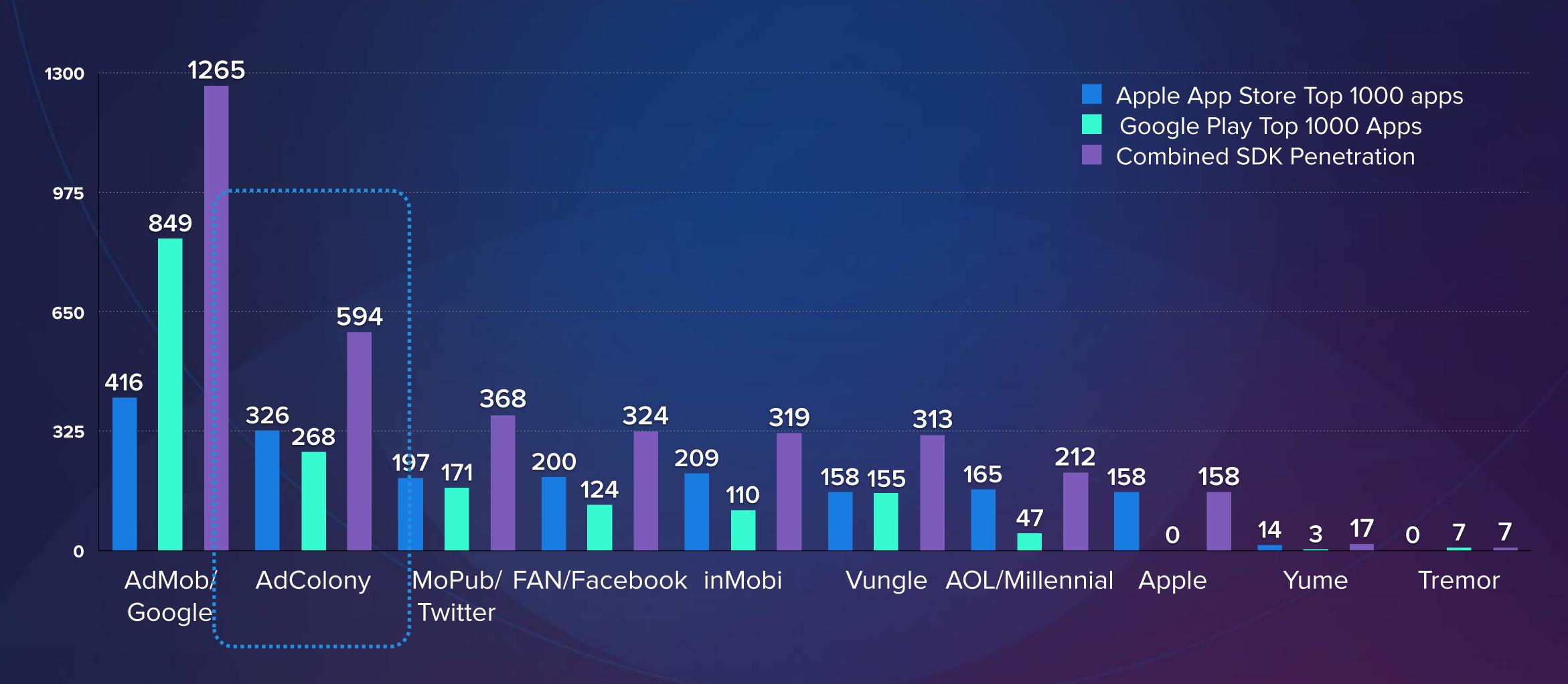


85%
of the Top Grossing
app publishers trust us
as a partner

# The Largest Independent Mobile Advertising Platform

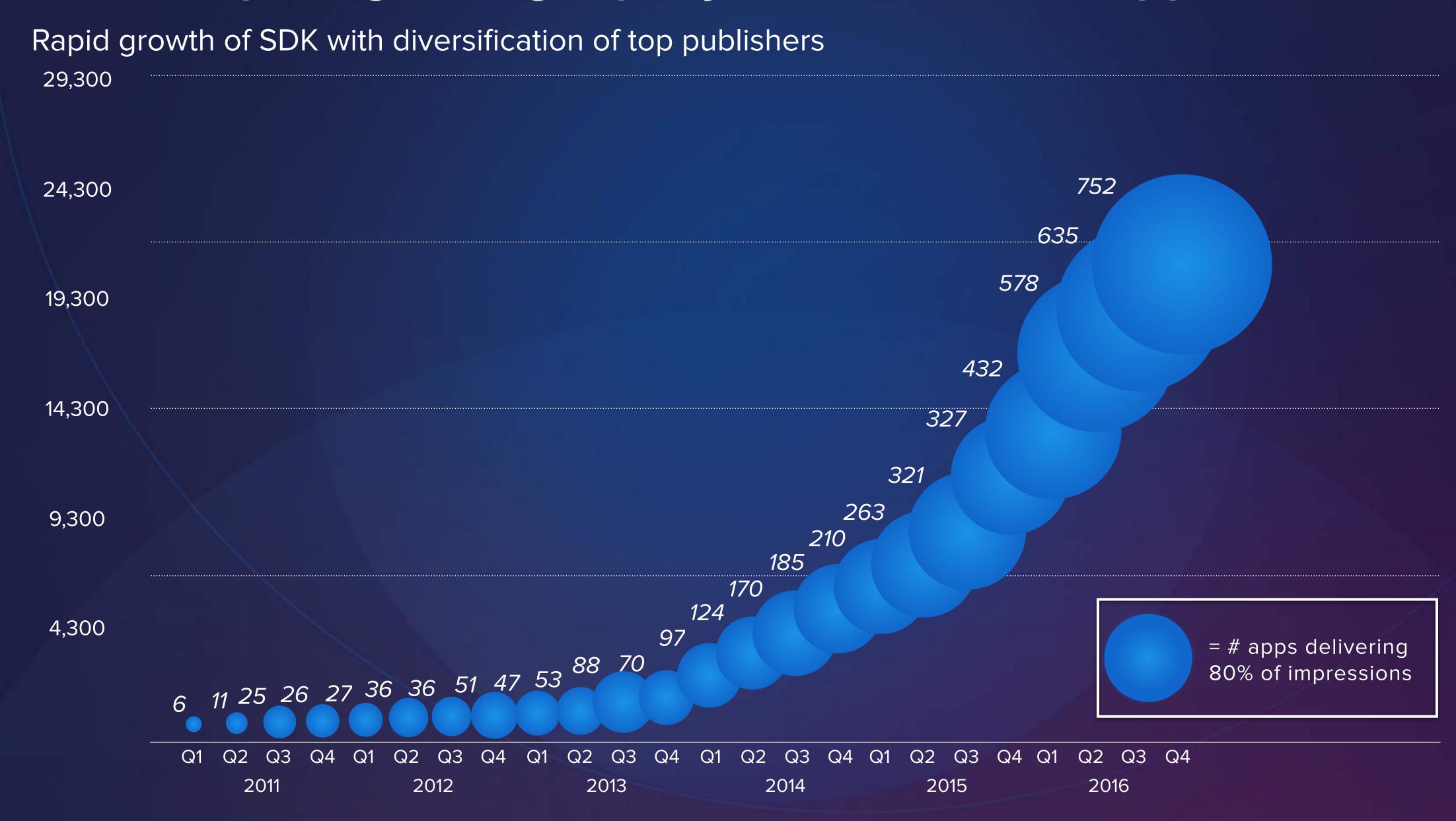


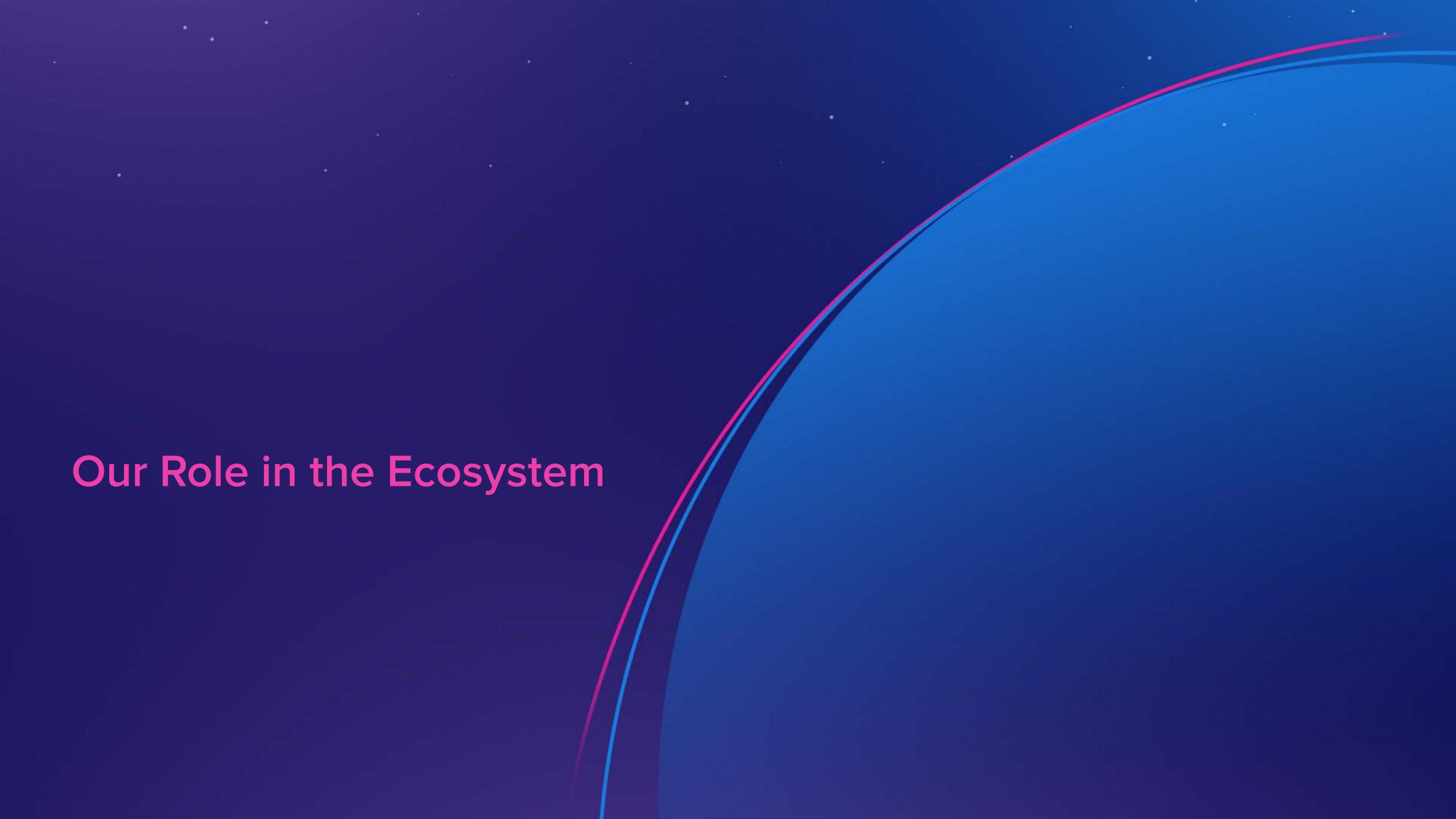
Ahead of Twitter (MoPub), Facebook, AOL (Millennial), InMobi

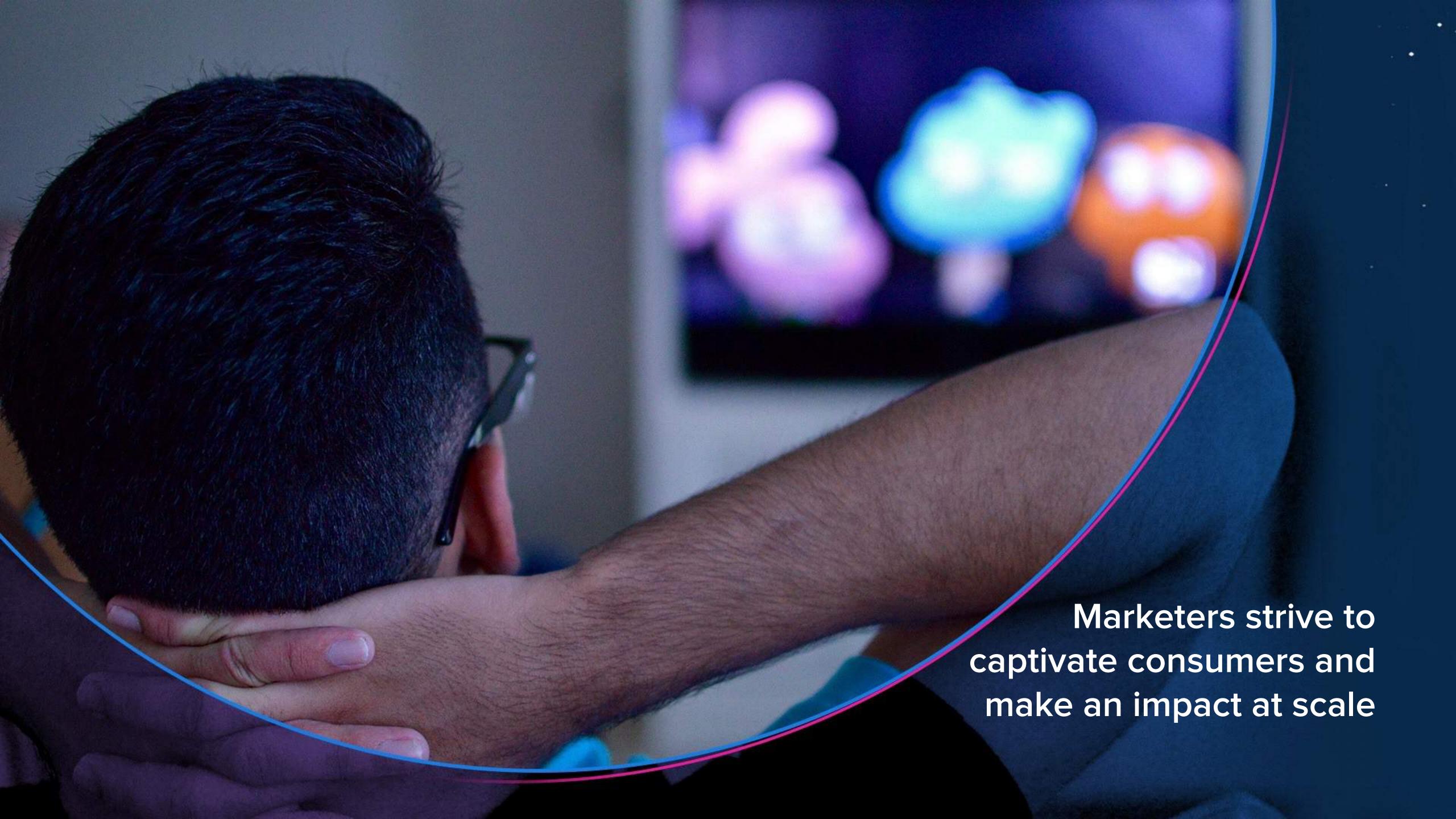


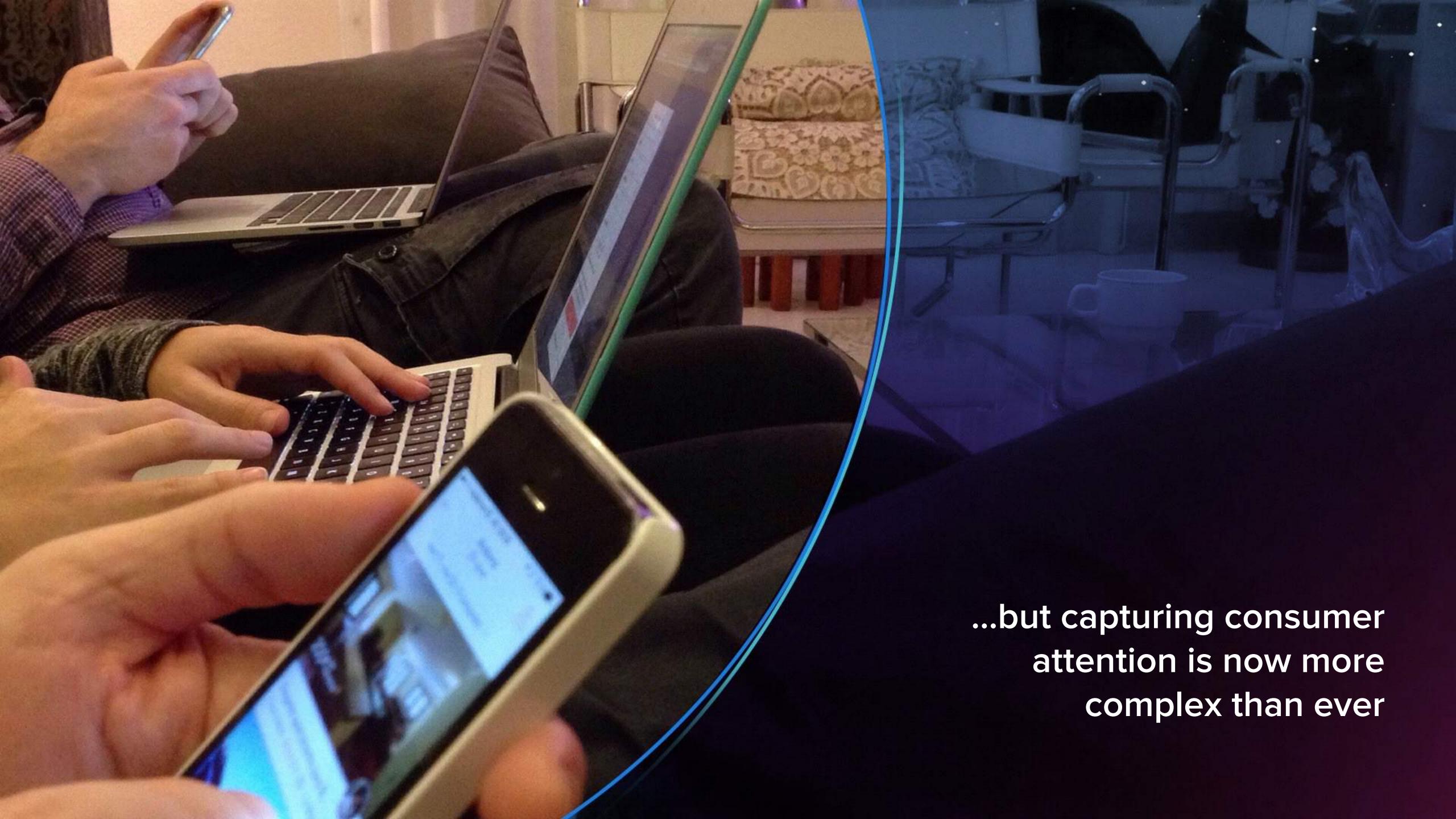
# SDK footprint growing rapidly - focus on AAA apps











# Marketers started investing in mobile with major platforms







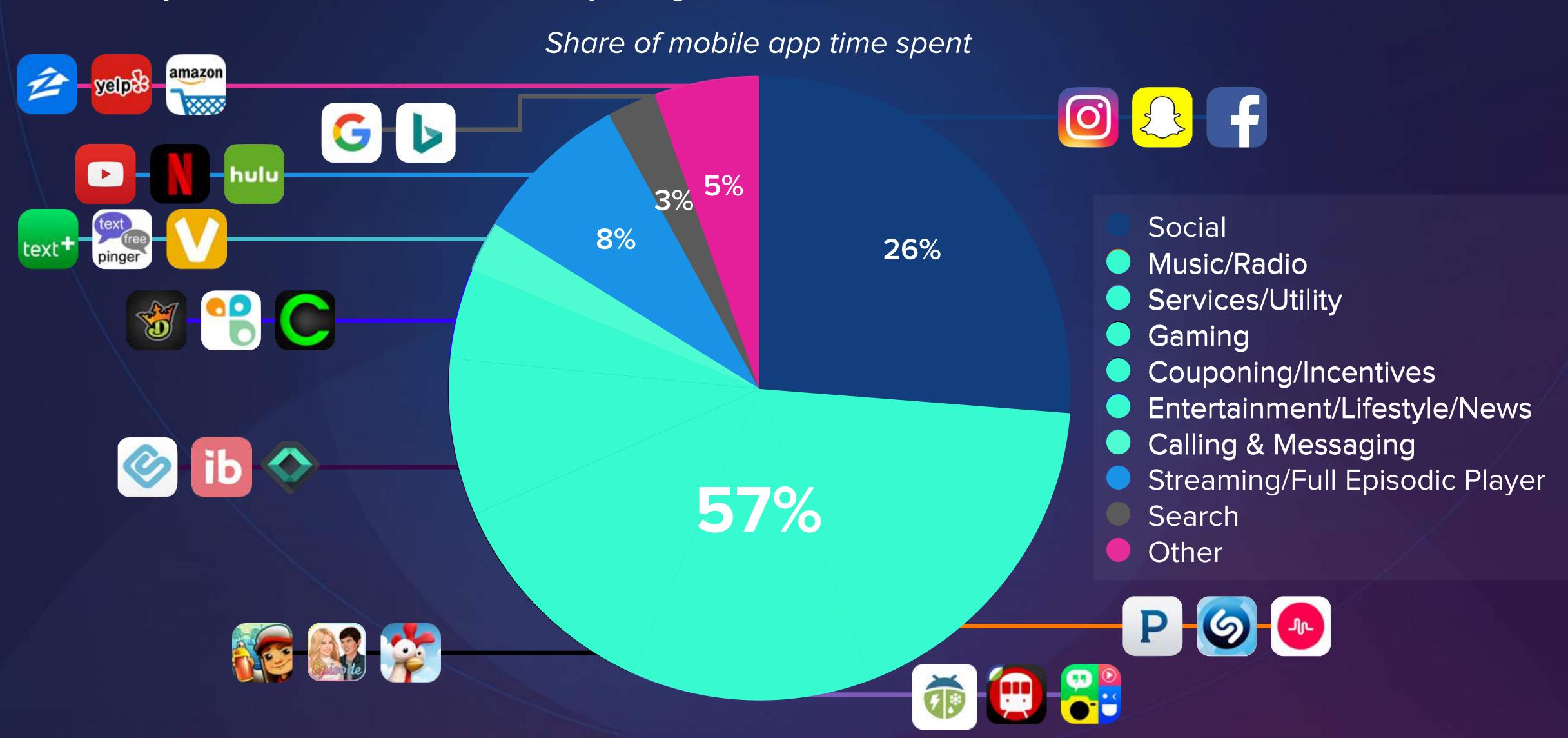




# Consumer time spent is found beyond social platforms



AdColony reaches consumers across key categories



Source: comScore Mobile Metrix. October 2016

# Featured Publishers













































































# How AdColony is differentiated vis-a-vis Social (FB, Google)



### 1) Full Screen environments vs. Feed-based

- Higher impact ads that deliver real results/2ndary metrics, not just pushing impressions
- Integrated ad units including user initiated, driving high outcomes

### 2) Focused on most popular top 1000 apps "Todays Primetime"

- It's today's "cable" vs network TV
- 57% of time spent in mobile apps vs. 25% in Social
- Critical reach for media buyers; complementary to FB/Google

### 3) Differentiated Ad Units that drive engagement & outcomes!

We deliver powerful brand experiences that FB/Google are not delivering today

### 4) Data/Automation

SDK provide powerful data signals that other competitors don't receive

# We aim to be the #1 independent. Complementary to Social





# Our Vision



Elevate the state of mobile advertising with high quality advertising experiences that deliver outcomes for brands and publishers on today's most popular "primetime" apps and sites.





# We Will Stand for One Thing: Mobile Advertising Done Right

#### Full-Screen, Edge-to-Edge

Video + Display Interstitials via Aurora Other sources provide scale Non-full screen focused on Performance



#### Creative Experiences

Aurora-focused/powered
Supported/extended with
Celtra

#### In Today's Primetime

Best of Mobile entertainment 57% of consumer time spent Redefining content quality

#### **Automated Outcomes**

For both Brand &
Performance
Powered by technology
Informed by Data



# Financial Overview by BU



#### Characteristics of each business is different:

# 1) Brand Business = \$249M in Revenues (51% of Rev)

- Business is with all major Media Agencies and Trading Desks
- Premium Pricing
- Focus on Fortune 100 Brands who value innovative creative & strategic thinking/planning
- Large sales organization, transacts in managed & programmatic capacity while delivering against upper and lower funnel KPI's
- Programmatic Mostly Brand and Display advertising (commodity; price/scale)

# 2) Performance Business = \$235M (49% of Rev)

- Business is 100% direct with customers (app developers)
- Highly re-occuring business (90%+ customer renewal rates)
- Small and agile sales team with analysts, BI and data science teams to support
- Revenues growth relies on accessing high quality supply





2016 Financial Summary

BUSINESS LINE	REVENUE	GROSS MARGIN
Performance	\$235M	37%
Brand	\$249M	41%
Brand /Managed 10	\$170	48%
Brand Performance	\$33	25%
Programmatic	\$46	34%
Total	\$484M	38%

# AdColony Financial Summary

#### 2017 Financial Drivers

#### REVENUE

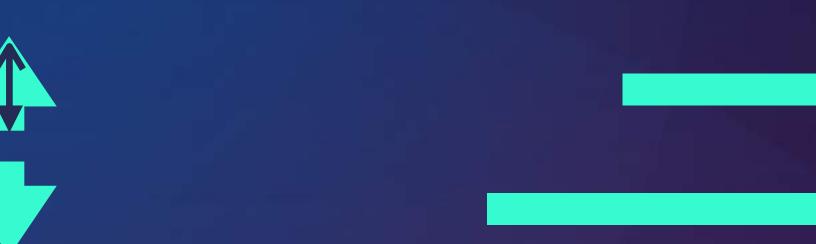
- Apollo IX / Playables
- 3.1 SDK (Vertical, Interactive)
- CORE / LTV modeling
- Apollo VII / Performance
- Apollo VIII / Bid into Waterfalls
- China / Int'l Expansion

#### **GROSS MARGIN**

- Apollo VIII / Bid into Waterfalls
- Revenue mix shift to Programmatic / Brand Performance

#### **OPERATING EXPENSES**

- IT / Hosting
- Apollo X
- Apollo XI



**Q1** 

Q2

Q3

**Q4** 

# AdColony Financial Summary

2018 Financial Drivers

#### **REVENUE**

Growth rates > 2017



#### **GROSS MARGIN**

 Some margin degradation from continued revenue mix shift to Programmatic/ Brand Performance



#### **EBITDA**

 Margin % improvements from scale and full year of cost efficiencies



## Key Take-Aways



### 1) Growing Market - Mobile

- 2017 is an inflection year where digital spending > TV
- Mobile expected to be 1/3rd of total media spend by 2019 in US & APAC
- FB/Google has captured strong % of early share, but marketers are diversifying spend

### 2) We have valuable assets today & leading market position

- SDK footprint in top 1000 apps
- Video innovation and differentiated products
- Diverse revenue mix: Performance, Brand, Programmatic
- Data science/Al algorithms, CORE delivering market leading results

### 3) Investments in SDK & Apollo, will fuel market share growth into the future

- 2017 = year of new products introductions & getting organization onto one platform
- Expecting strong revenue growth in 2nd half of 2017 and beyond
- EBITDA growth driven by automation and operational efficiencies long term

# CAPITAL MARKETS DAY 2017

OPERA SOFTWARE







Product & Tech

David Kurtz
Chief Product Officer







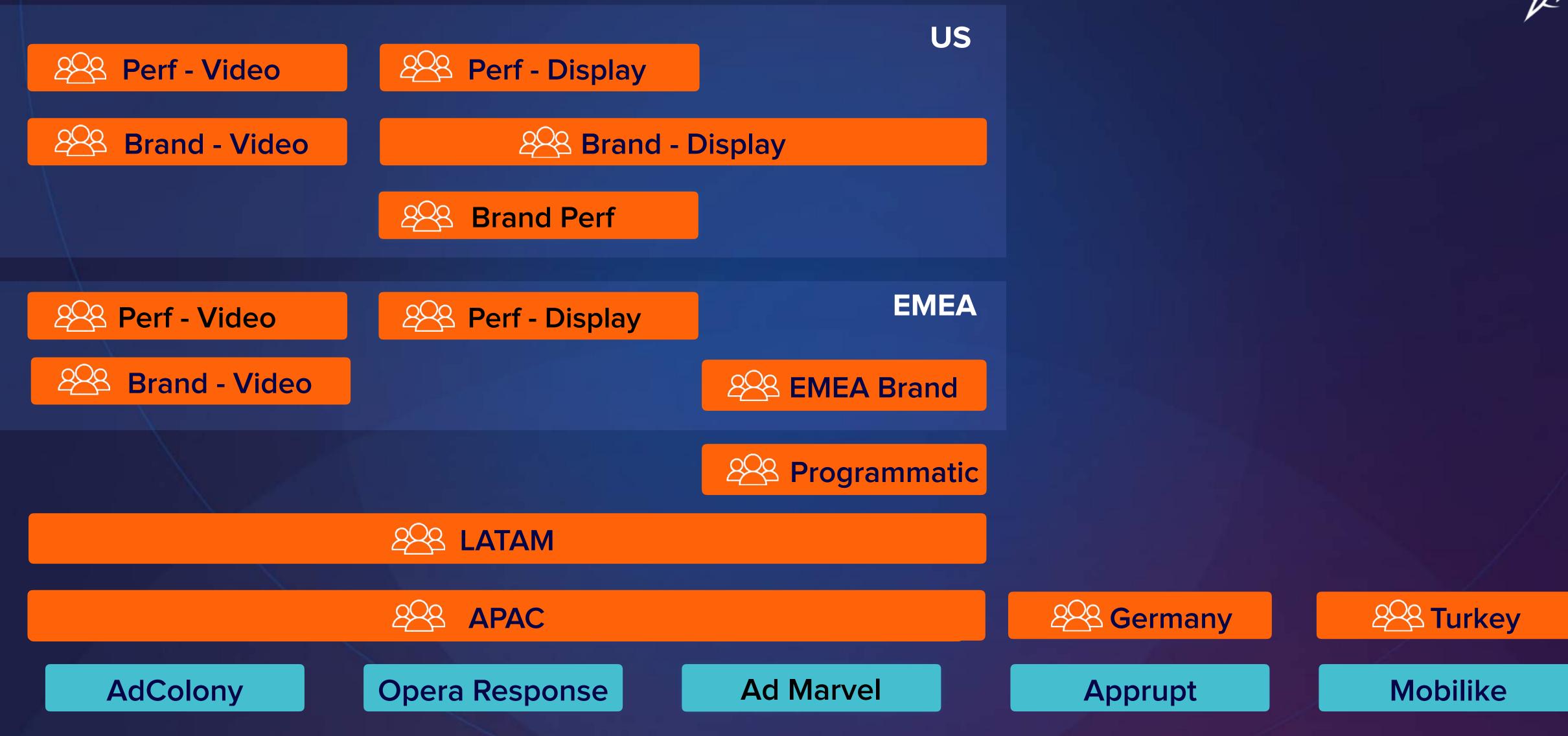


SDK/Creative



Al/ Machine Learning

















**Apollo VII** Bidding Engine for Performance Display



**Apollo VIII** Flexible Supply Toolkit for Full-Screen Display into All Demand on 1 platform; SDK Inventory



**Apollo IX** SDK Supply



Apollo X CORE for Brand



**Apollo XI** Single SDK, Single Portal



## Aurora - Next Generation Ad Products

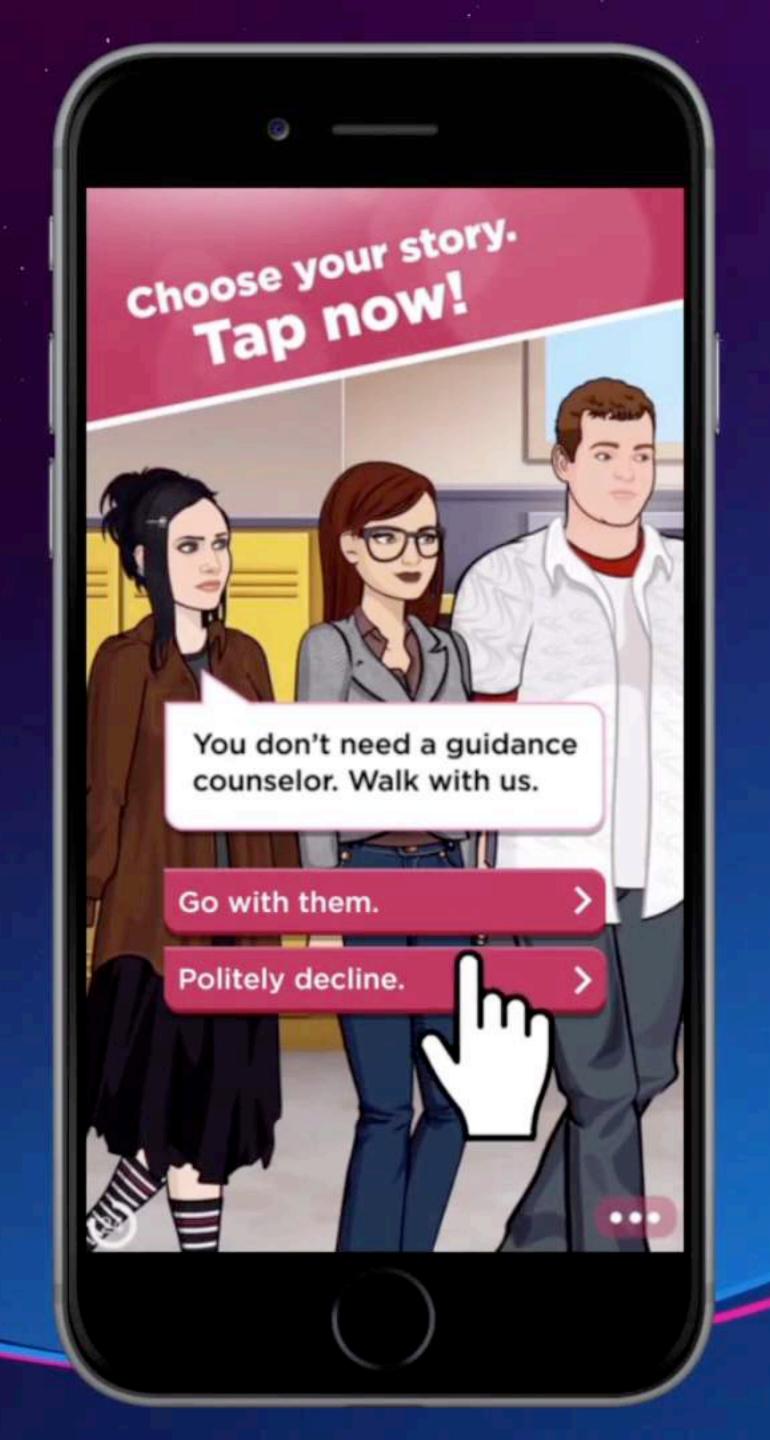
# Instant-Play™ HD Vertical Video

Mobile video that delivers sight, sound, motion and feeling and drives engagement.



# Aurora<sup>™</sup> Explorable HD Video Mobile video that drives user exploration and choice

USERS ARE ABLE TO SELECT WHICH STORY THEY WANT TO SEE



# **Aurora™ Interactive HD Video**

Mobile video that delivers sight, sound, motion, feeling and interactivity







# Aurora<sup>™</sup> Playables

Putting the game into the Ad





Instant-Play™ HD Video

Instant-Play™ HD Vertical Video

Aurora<sup>™</sup> Explorable HD Video

Aurora™ Interactive HD Video

Aurora™ Insterstitials & Playables



Always Edge-to-Edge

Matches App Orientation

Fundamentally Viewable

Industry-Leading Completion Rates



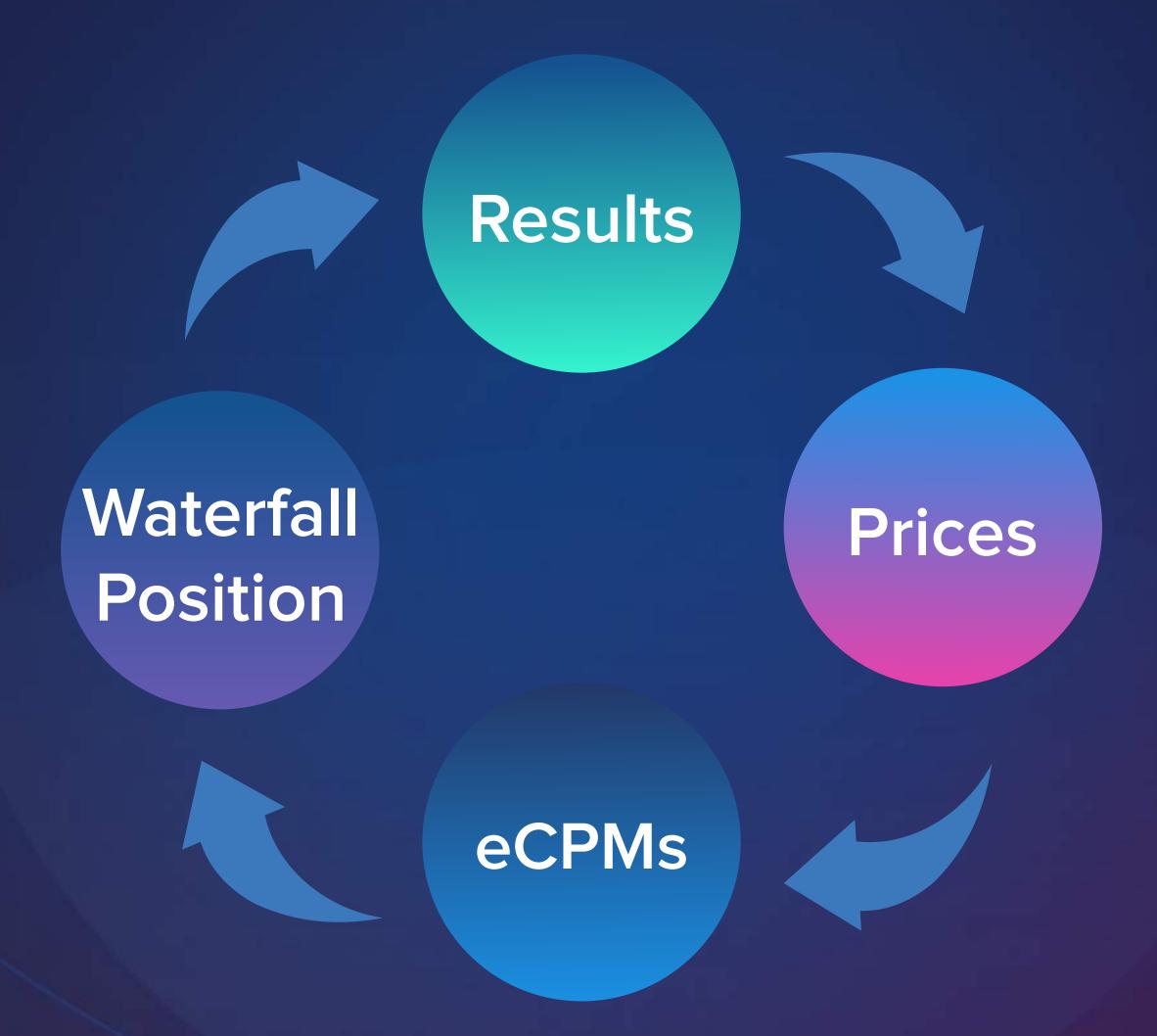
Core™ - Machine-Learning Driven Ad Serving





Leveraging machine-learning algorithms powered by real-time data, our Core™ engine automatically optimizes campaigns for maximum return on ad spend for advertisers and monetization efficiency for publishers.









Constraints





- Session Data
- Device Data
- Impression Data
- Clickstream Data







User Score 75 = **\$11.25** 



User Score 50 = **\$7.50** 



User Score 35 = **\$5.25** 







### Constraints

Set Goal

**Predictive Models** 

Exposure

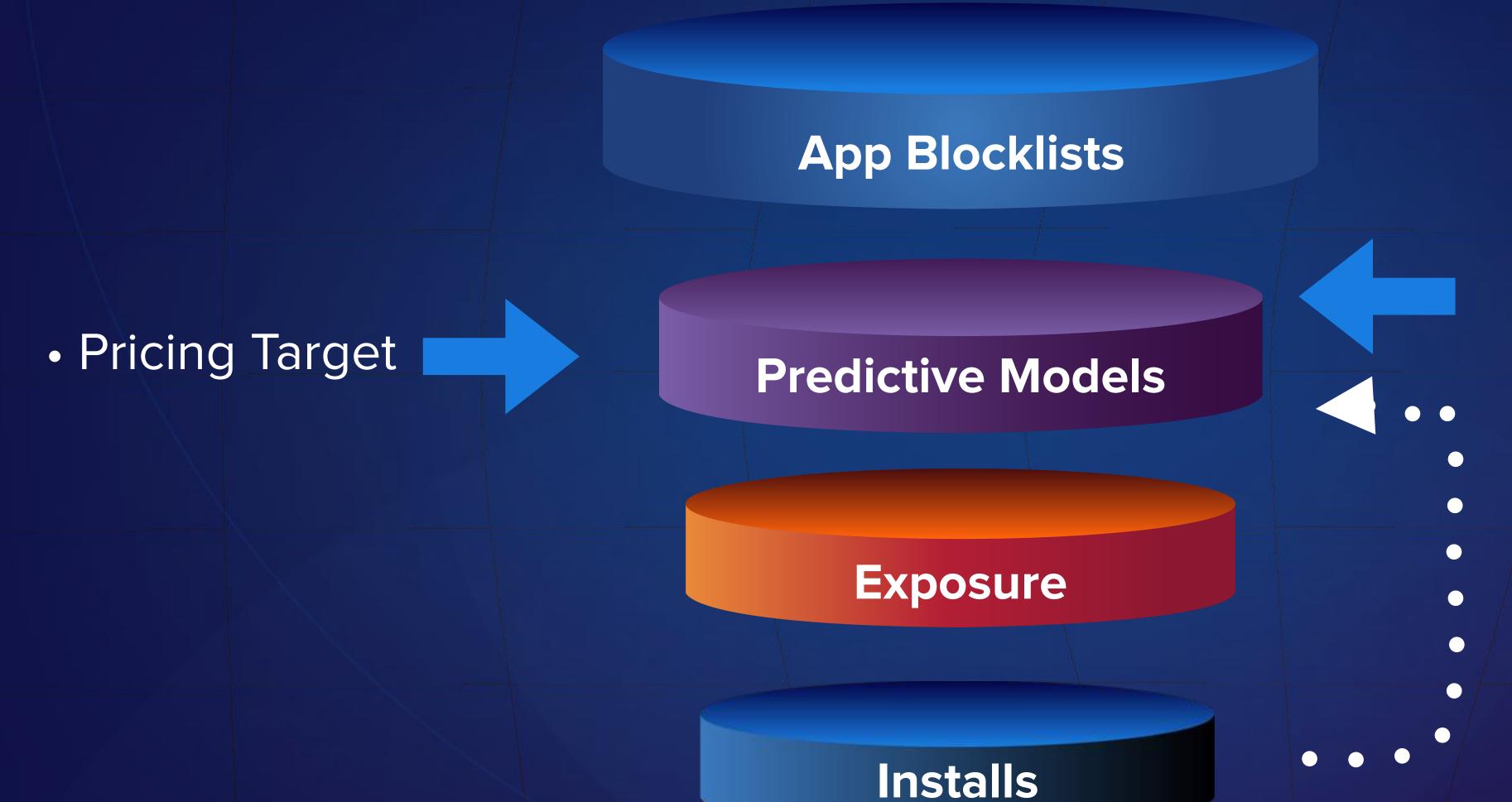
Feedback Loop

- Session Data
- Device Data

- Impression Data
- Clickstream Data

# User Acquisition - Install Auto-Optimization

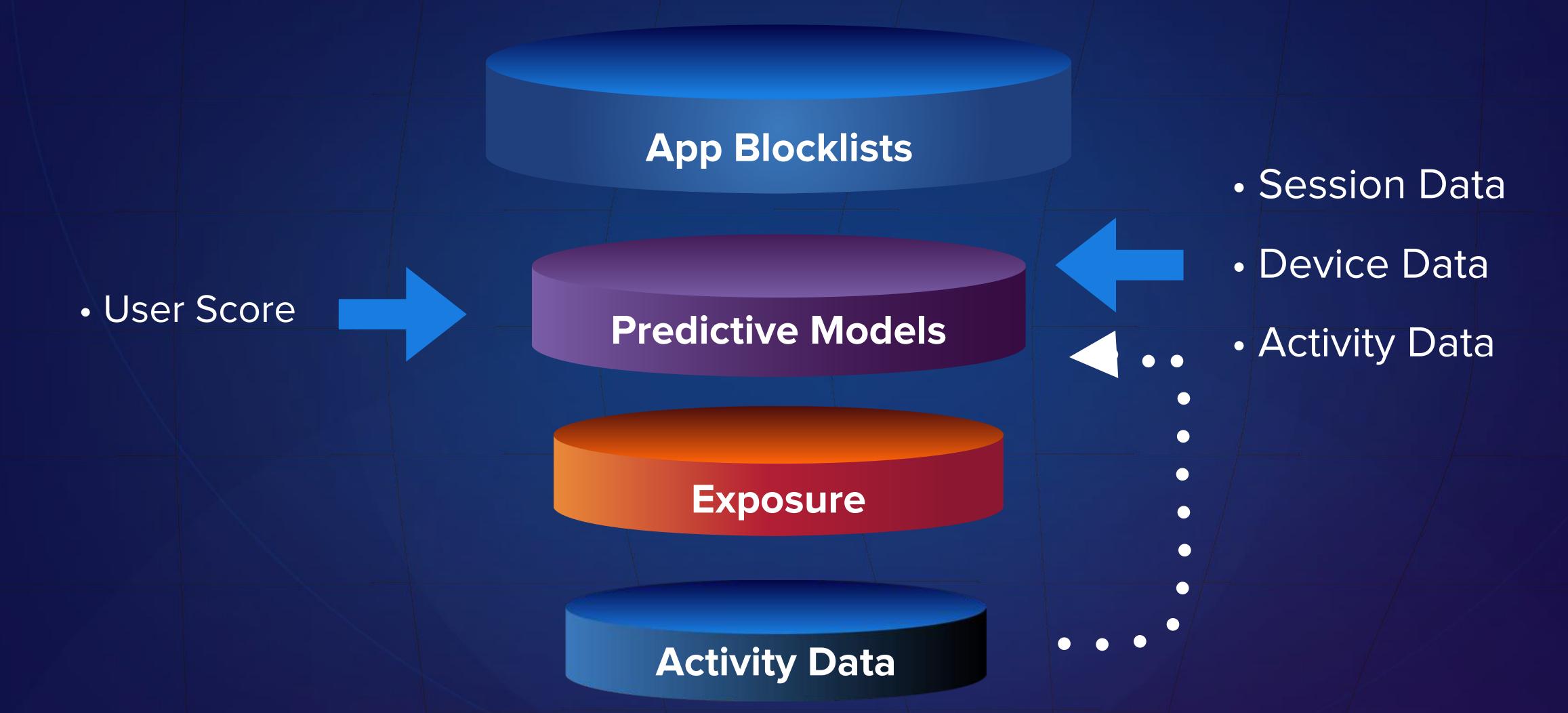




- Session Data
- Device Data
- Impression Data
- Clickstream Data

# User Acquisition - User Value Auto-Optimization





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# Performance

Bryan Buskas Chief Customer Officer

# The App Install Ecosystem

The app install market & AdColony's role

# App Install Ecosystem Dynamics



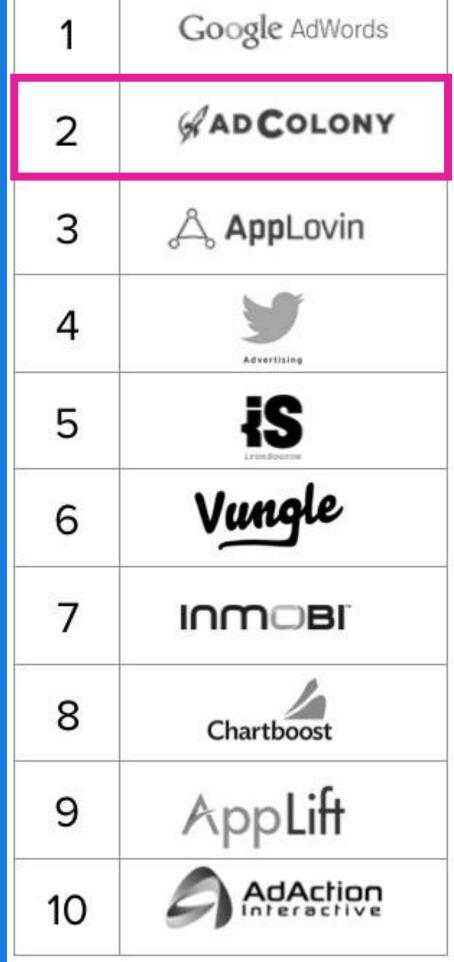
"Growth marketing" is large, growing and global

- A \$10-15B\* global app install market growing at 10-20% annually
- ~100% direct to developer (no agencies)
- Budgets are unlimited given performance
- Global buying is centralized with one media buying and analytics team
- Fully measurable from ad view > click > app install > launch > post install activities
- Fully transparent down to publisher and site level
- Advertisers (developers) bid and optimize in real-time to fund growth where Return on Ad Spend (ROAS) is greater than Cost Per Install (CPI)
- Constant innovation of ad units
- Constant ability to test new ad formats, channels, partners, data, etc.

# AdColony's Position Reported by Top Measurement Partners

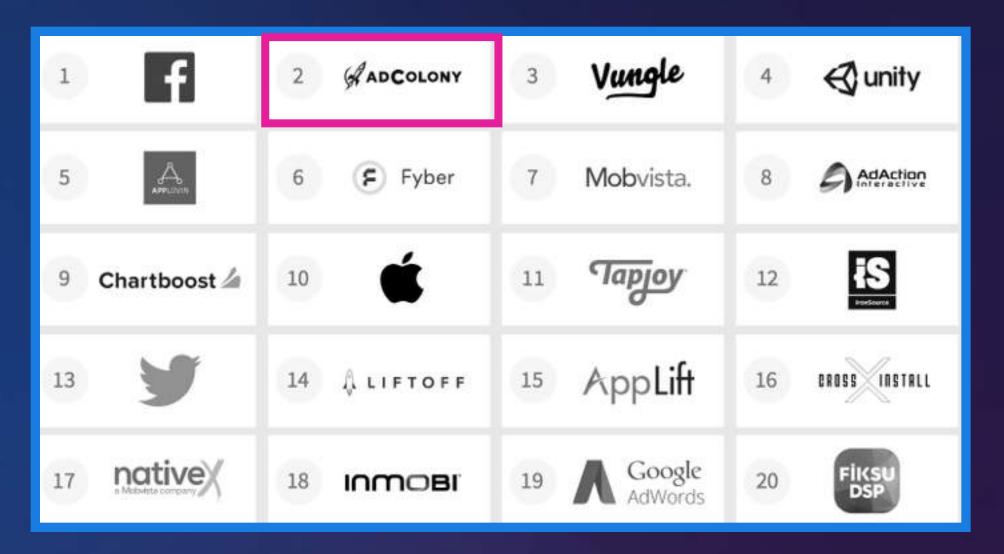
AdColony is consistently ranked in the Top 5 regardless of measurement partner











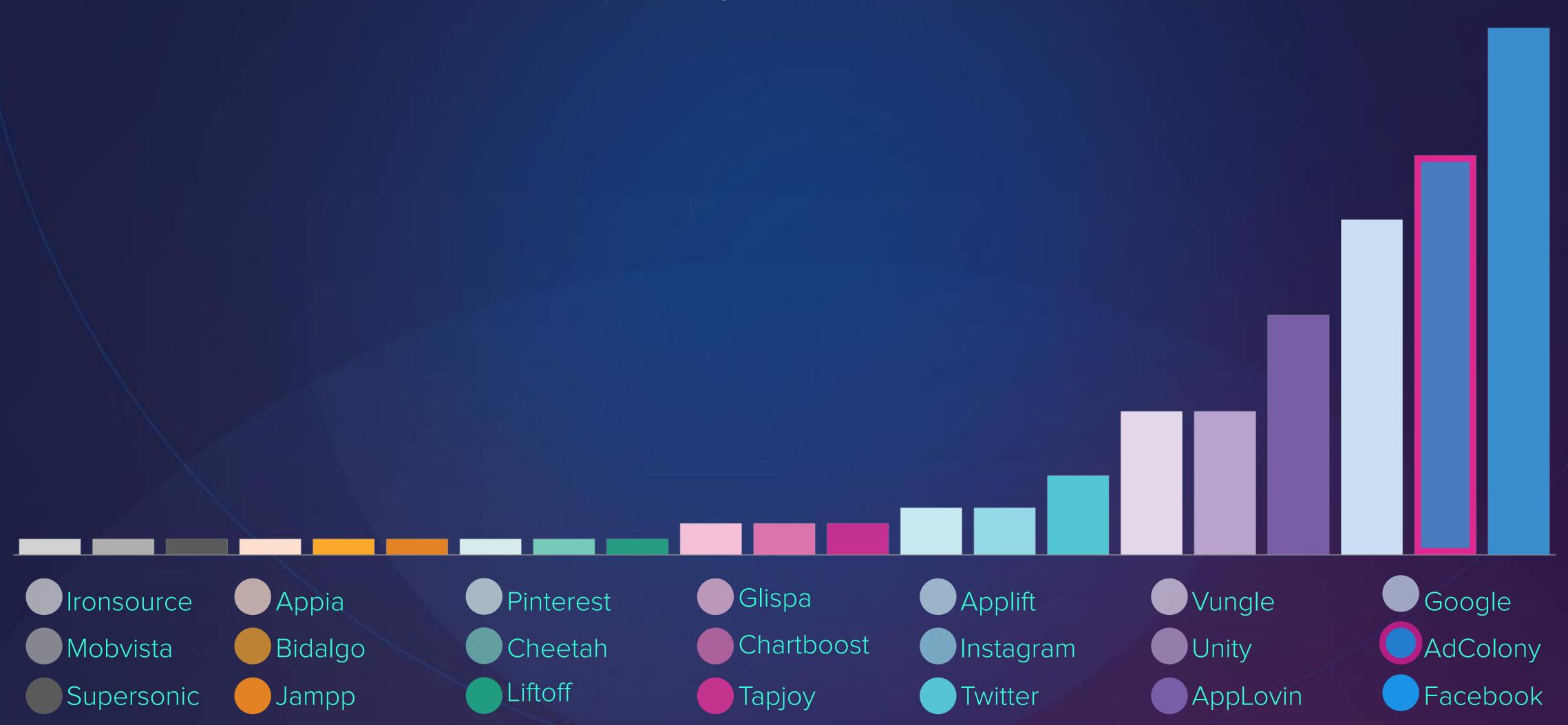


\*Source: 2016-2017 rankings from Tune, Singular, AppsFlyer

## AdColony's App Install Marketplace Position



A Top 2 provider of app install scale (quantity of installs)



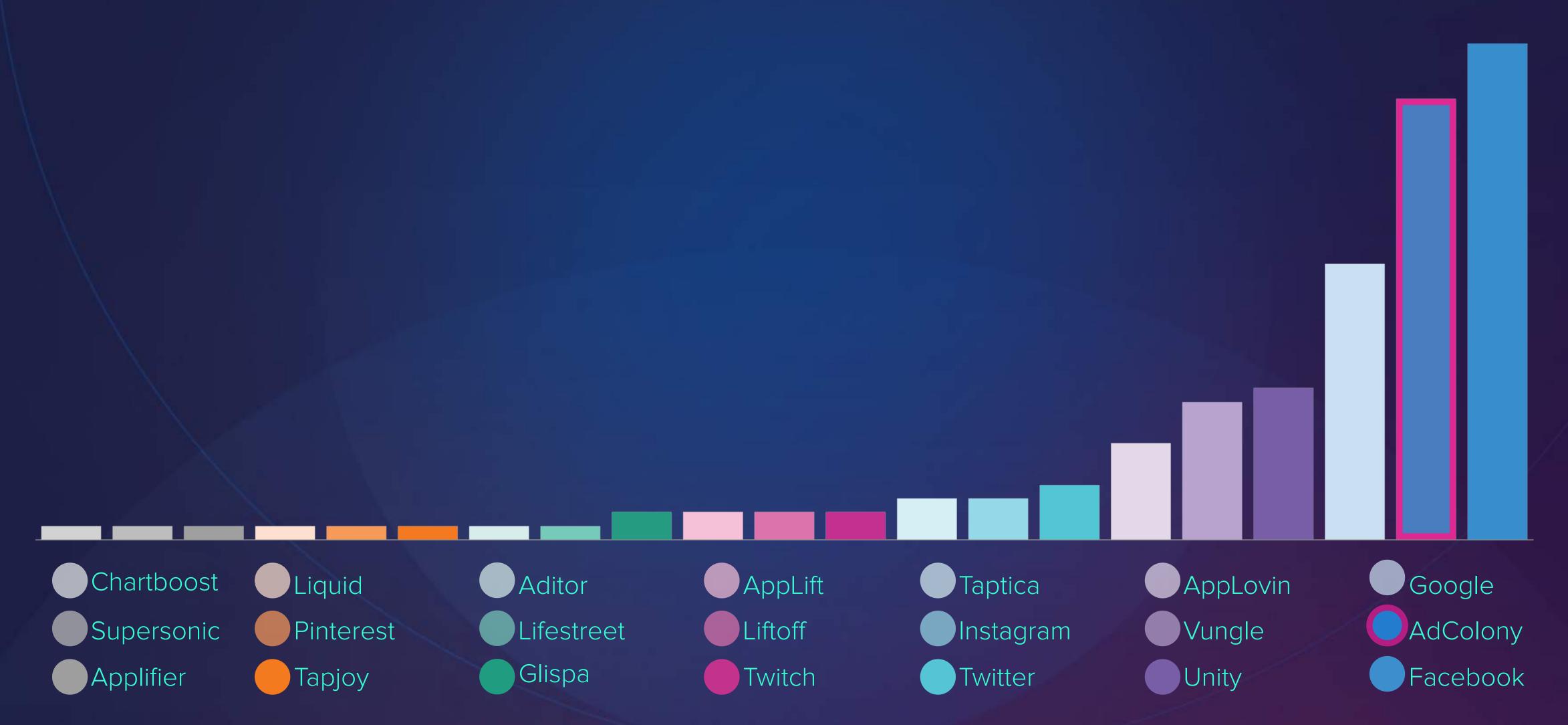
\*Source: AdColony Q3 2016 App Install Marketing Survey

# AdColony's App Install Marketplace Position



58

A Top 2 provider of app install quality (retention, engagement, monetization, LTV)



\*Source: AdColony Q3 2016 App Install Marketing Survey

# **Key Trends** Budgets, formats, and trends

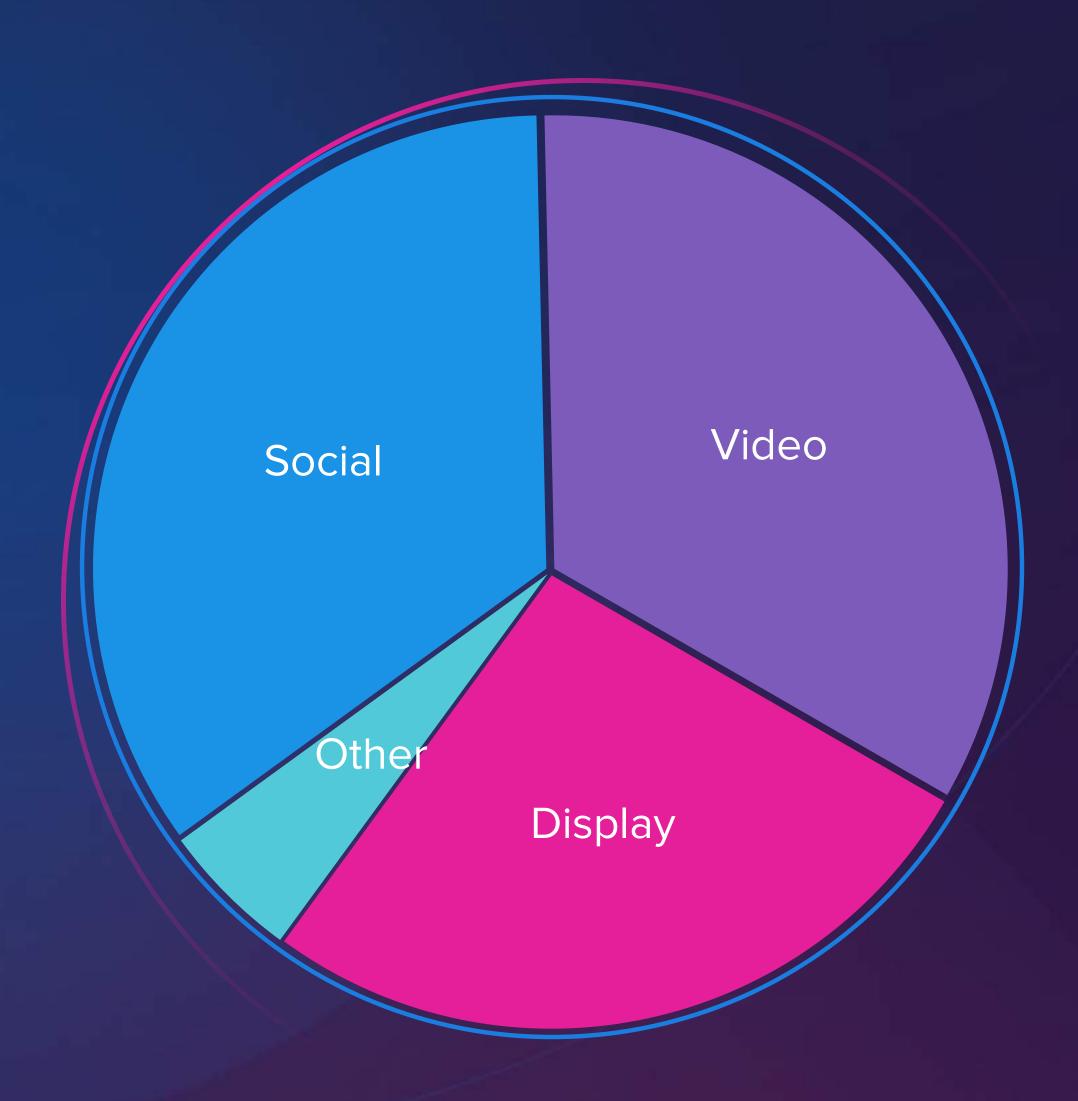
### Video and Social Account for 69% of Advertiser Budgets



60

Video continues to grow and win additional share

- Facebook controls the social category with news feed and Instagram app install ads
- Most of the social channels continue to shift focus away from native display to video
- Today, AdColony is a leader in mobile video outside of social
- In 2017, we will expand AdColony performance into new segments (display, playables)

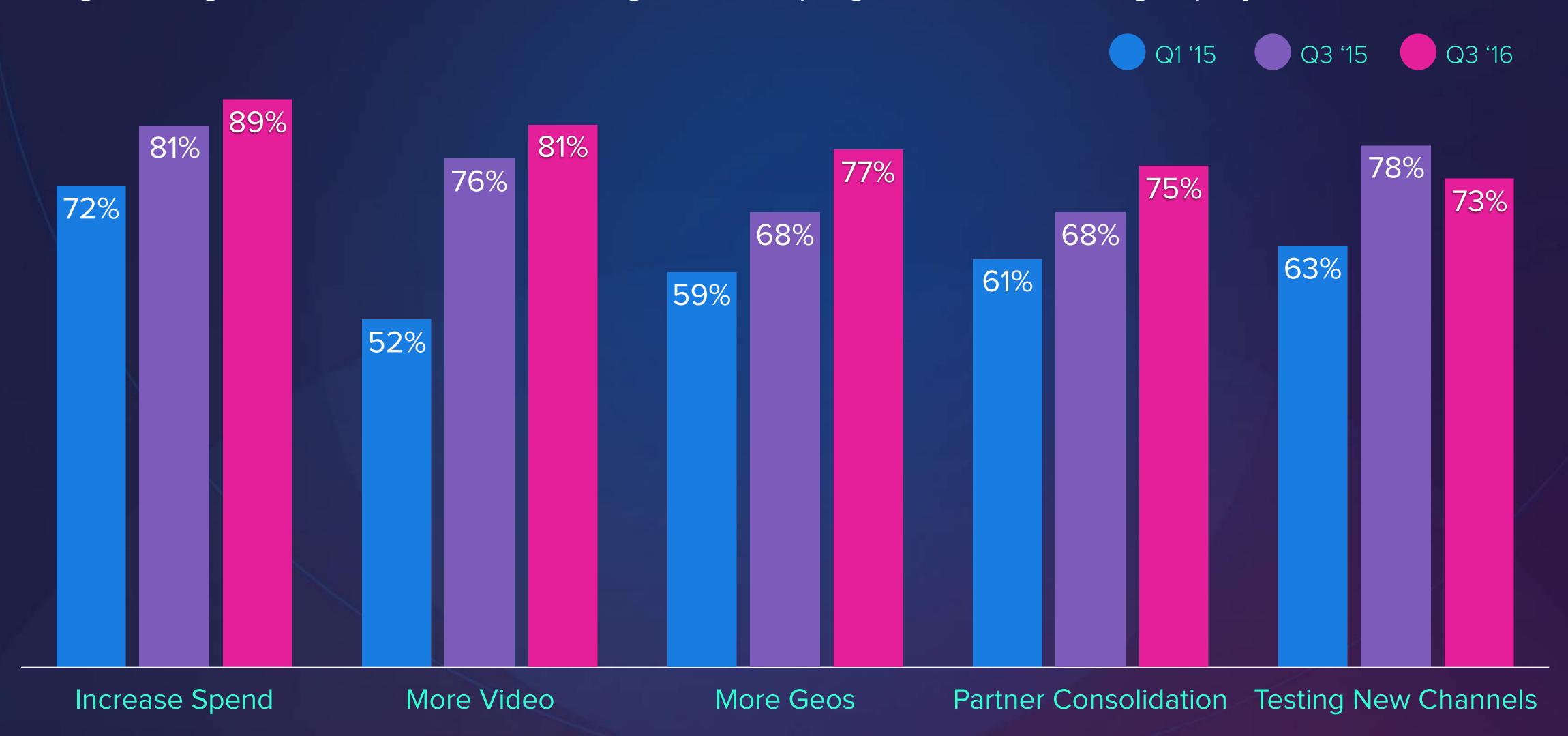


\*Source: AdColony Q3 2016 App Install Marketing Survey

### Top 5 App Install Campaign Trends



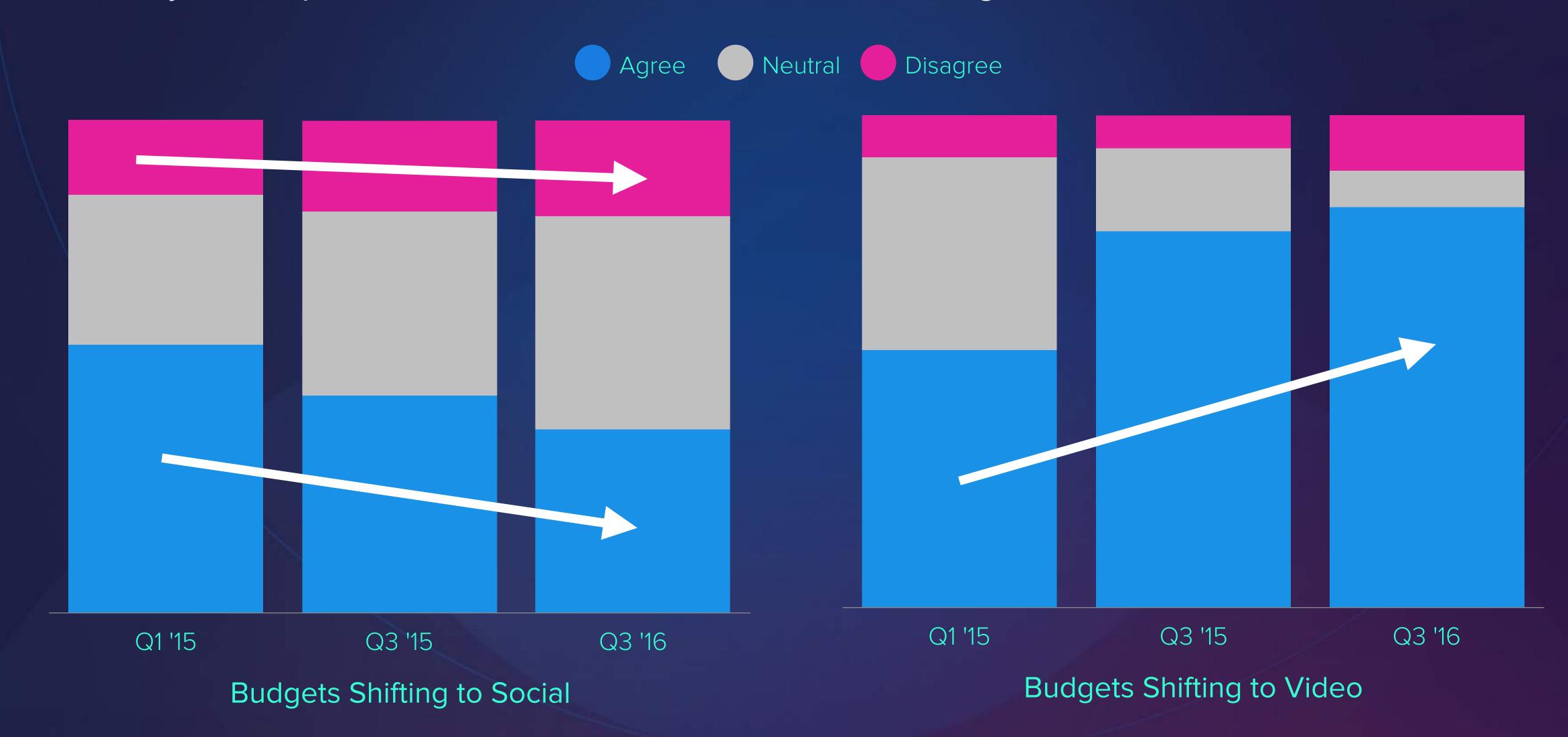
Larger budgets, more share to video, global campaigns, and fewer larger players



### Investment in Social is Slowing while Video is Growing



AdColony is well-positioned to benefit from continued share gains in video



\*Source: AdColony Q3 2016 App Install Marketing Survey

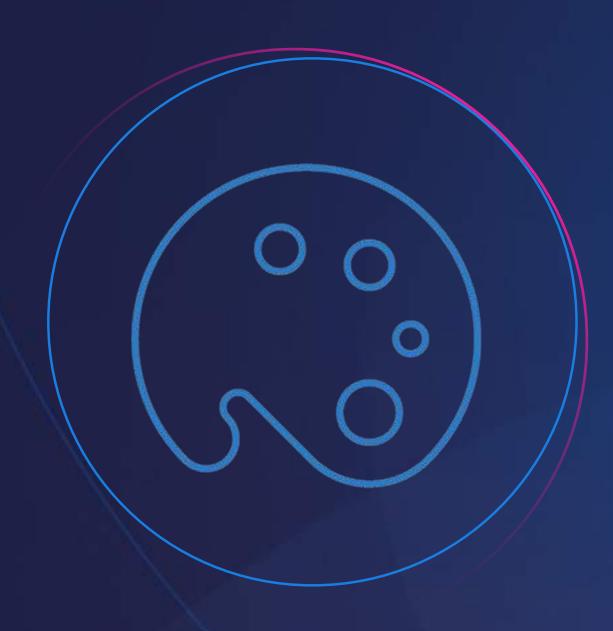
### Key Drivers of Our Success

Al, creativity and customer experience

### Our 3 Strategic Pillars



Our focus on creativity, AI, and customer experience produce results at scale



### Creativity (Aurora<sup>™</sup>)

Focus on full screen experiences that drive engagement (clicks), conversions (installs), monetization (in app purchases) and retention



### Al Engine (Core™)

Real-time data driven optimization for clicks, installs, retention, engagement, and in-app-purchases providing both quality and scale



### Service

High touch customer service providing daily interaction, support, optimization and ideas that result in 90% annual renewal rates

### 2017 Performance Products - Creativity and Innovation



A new suite of Aurora<sup>™</sup> interactive formats designed to increase engagement and deliver results



### Aurora<sup>™</sup> Video

Vertical Video
Explorable Video
Interactive Video





### Aurora<sup>™</sup> Interactive Display

Full Screen Display Rich Media Playables



### Performance Media (APM)

AdColony partners who can extend campaign reach and results (non-gaming)

Non-SDK

(Reach & Scale)

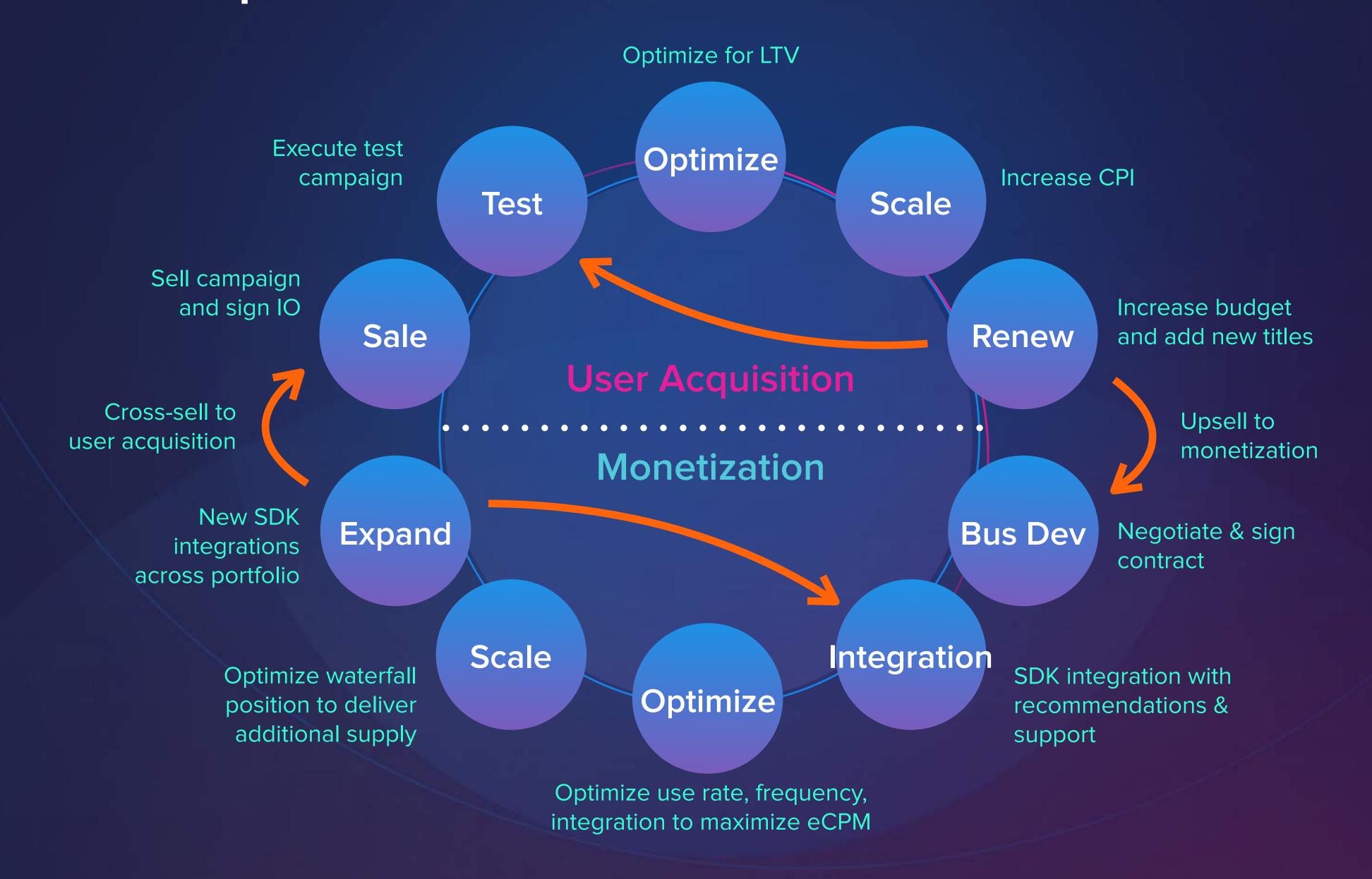


### Programmatic Display

Increased reach and scale leveraging Core<sup>™</sup> and RTB

### 360° Developer Service





### Customer RETENTION

























Last year, we renewed 90% of app install customers and 96% of our top 100 publishers

### App Developer OUTLOOK

We currently have visibility into at least 30 major new app launches from global top 100 developers over the next 2 quarters



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### Brand

Mike Owen Chief Revenue Officer, Brand

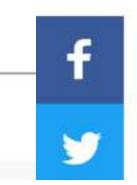
### An AWAKENING



**PUBLISHERS & PLATFORMS** 

As YouTube Faces Criticism Over Ad Placement, TV Networks Vow Not to Repeat Its Mi...

**PUBLISHERS & PLATFORMS** 



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### Google's YouTube Has Continued Showing Brands' Ads With Racist and Other Objectionable Videos

PepsiCo, Wal-Mart, Dish Network say they are suspending Google non-search ads







CONSUMER

RETAIL AUTOS

FOOD AND BEVERAGE

RESTAURANTS

**FASHION** 

GOODS

### Greater US growth afoot, says new Adidas CEO

CNBC with Reuters Wednesday, 8 Mar 2017 | 7:49 AM ET





### Spotlight On MOBILE

"It's clear that the younger consumer engages with us predominately over the mobile device", Chief Executive Kasper Rorsted told CNBC

FROM THE WEB

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### Marketers are DECIDING



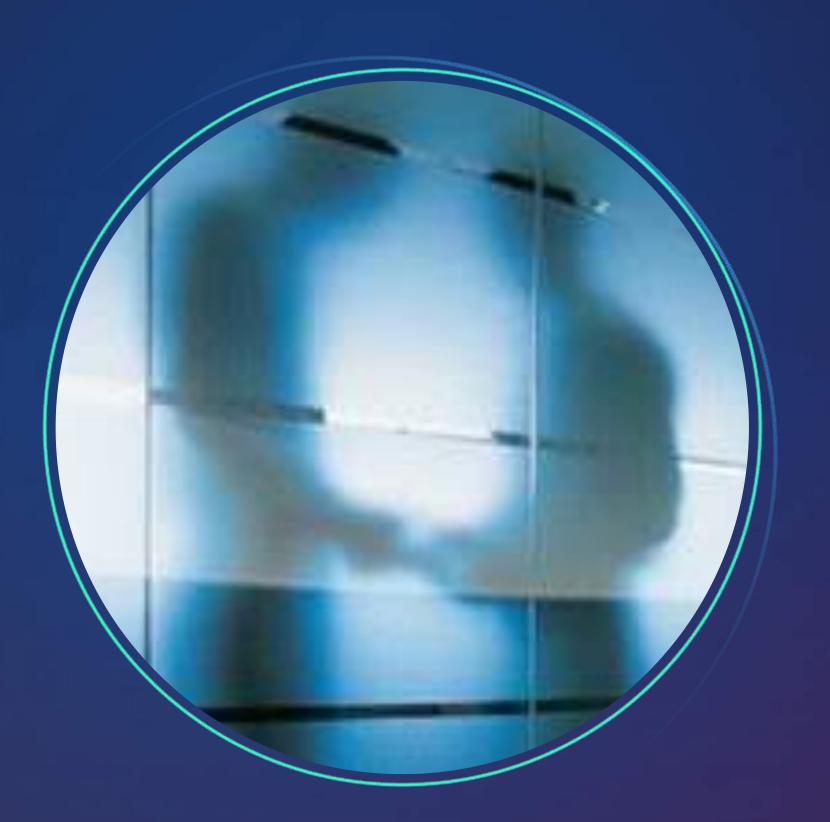


### A new quality





Brand-Safe



Fraud-Free



Highly Viewable

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