



Getting Down to Business: Consumer AR Revenue Models

MIKE BOLAND

CHIEF ANALYST, ARTILLERY INTELLIGENCE



ABOUT ME

- ARtillery Intelligence Founder & Chief Analyst
- 15-year industry analyst
- San Francisco Chapter President, [VR/AR Association](#).
- XR industry authority and thought leader.
- Frequent contributor to [TechCrunch](#), [VentureBeat](#), [Forbes](#), [Huffpo](#) and other tier-1 publications.
- Expert source for reporters. Quoted often in the [New York Times](#), [Wall Street Journal](#) & the [New Yorker](#).
- Frequent speaker at tier-1 industry events.

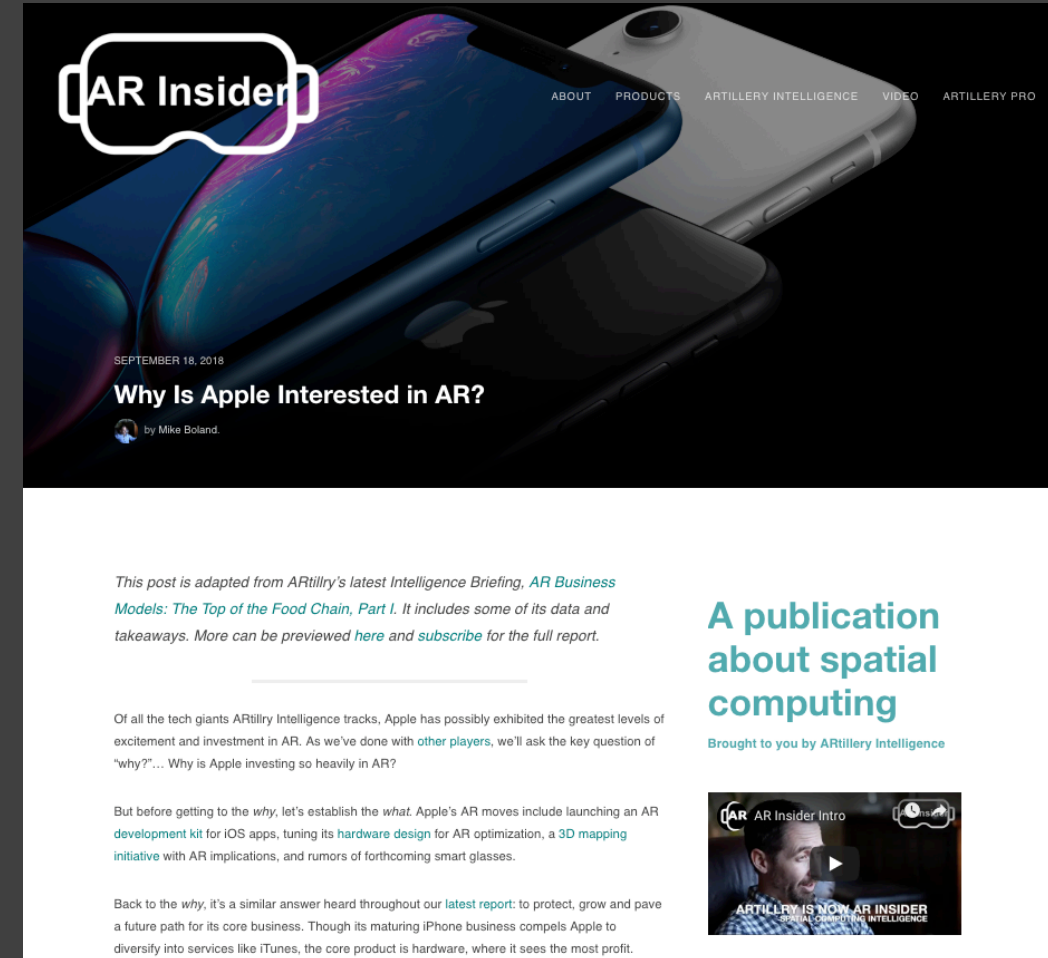


More can be seen at <http://www.mikebo.land/>



ABOUT ARTILLERY INTELLIGENCE

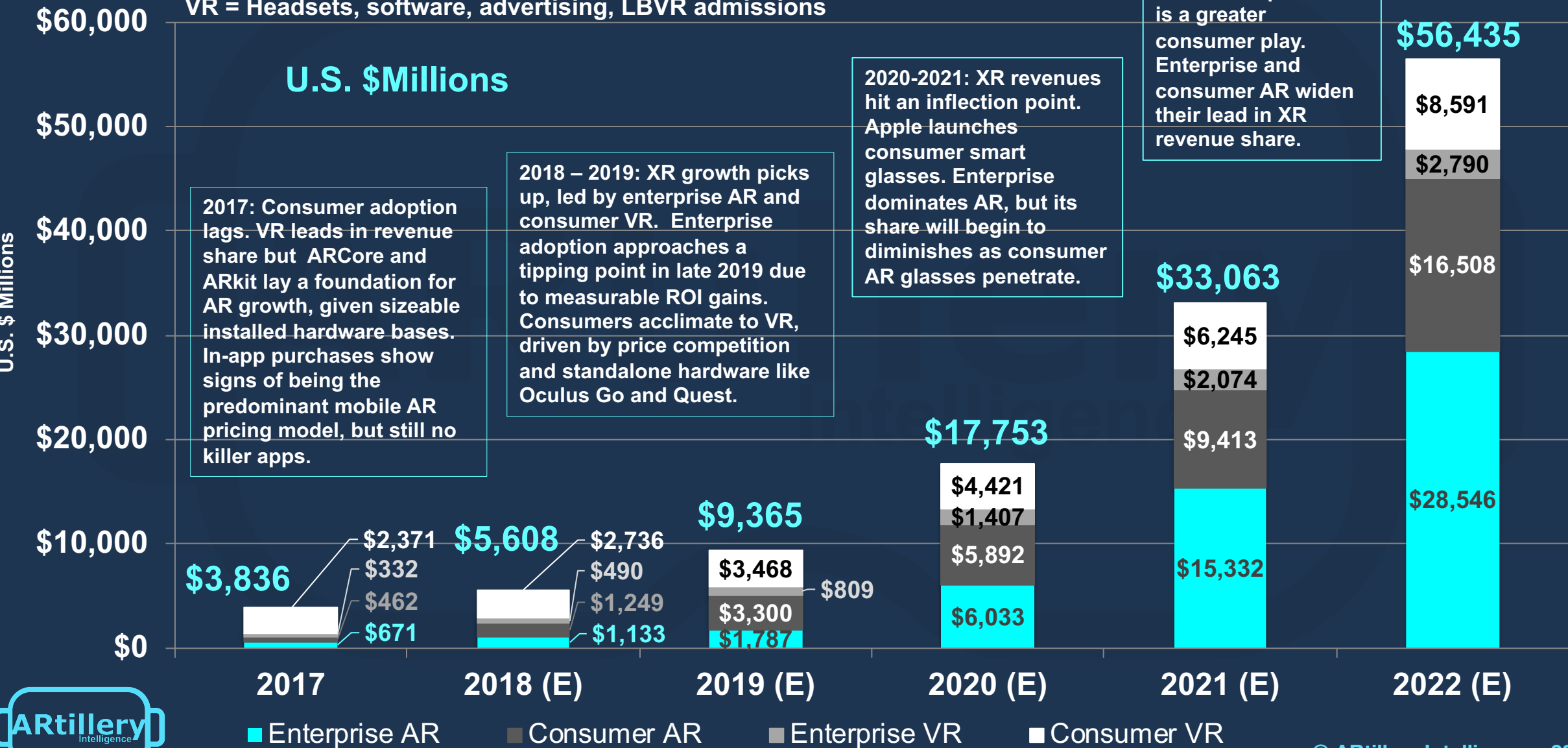
- FOUNDED 2016
- GROWING TEAM OF ANALYSTS AND RESEARCHERS.
- BUILT ON PRINCIPLES OF BEST PRACTICES IN MARKET ANALYSIS & RESEARCH.
- FOCUSED ON THOUGHT LEADERSHIP AND DEEP STRATEGIC KNOWLEDGE OF AR & VR (XR).
- REPUTATION AS THE 'INSIDER SOURCE' FOR NEWS, DATA & STRATEGIC ANALYSIS.
- FOLLOWED BY TOP INFLUENCERS.
- KNOWLEDGE POSITION IS REINFORCED THROUGH **AR INSIDER** (DAILY PUBLICATION).



GLOBAL XR REVENUE OVERVIEW

(DETAILED VIEW)

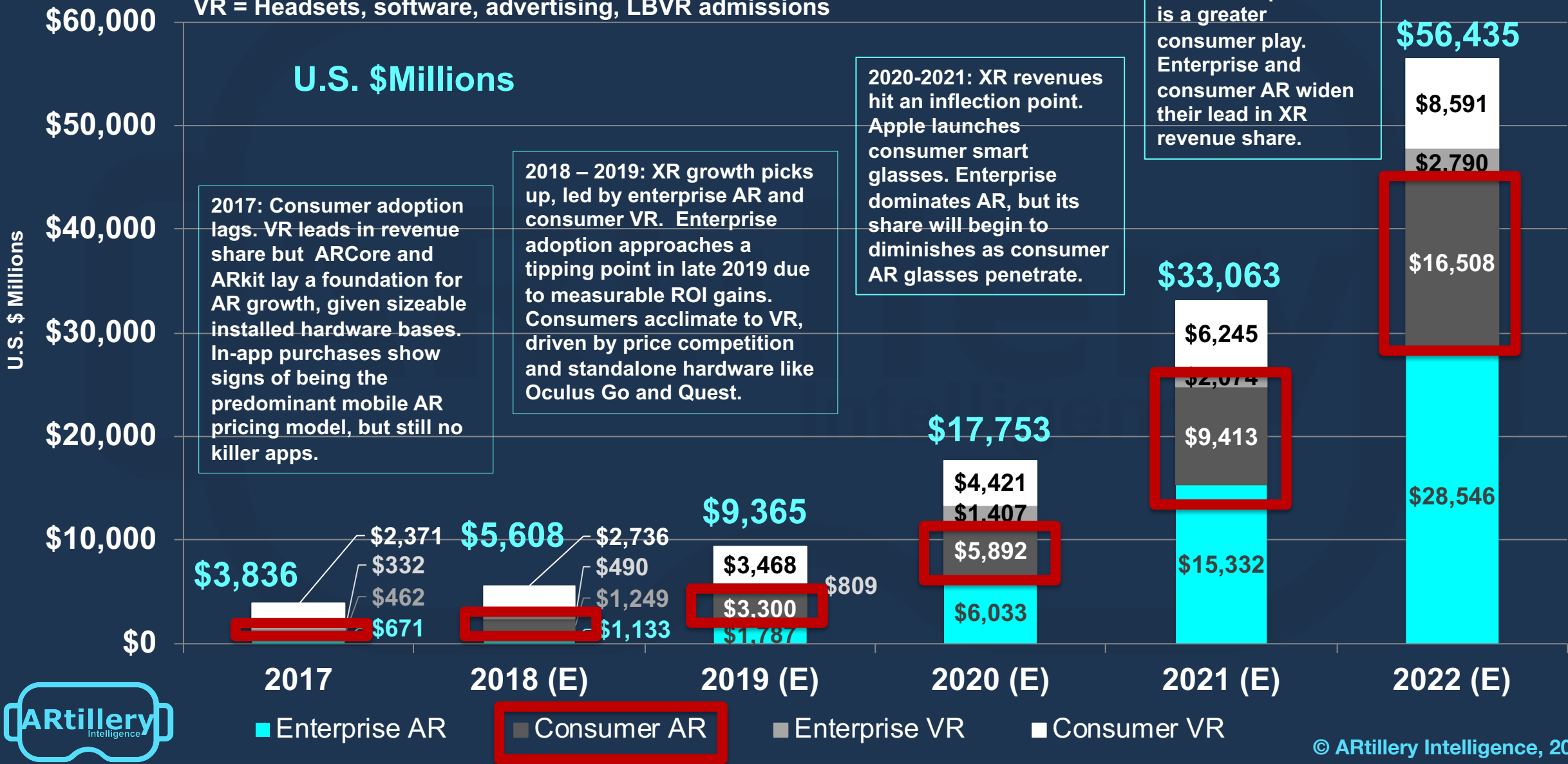
AR = Smart glasses, software (games, apps, etc.), advertising
VR = Headsets, software, advertising, LBVR admissions



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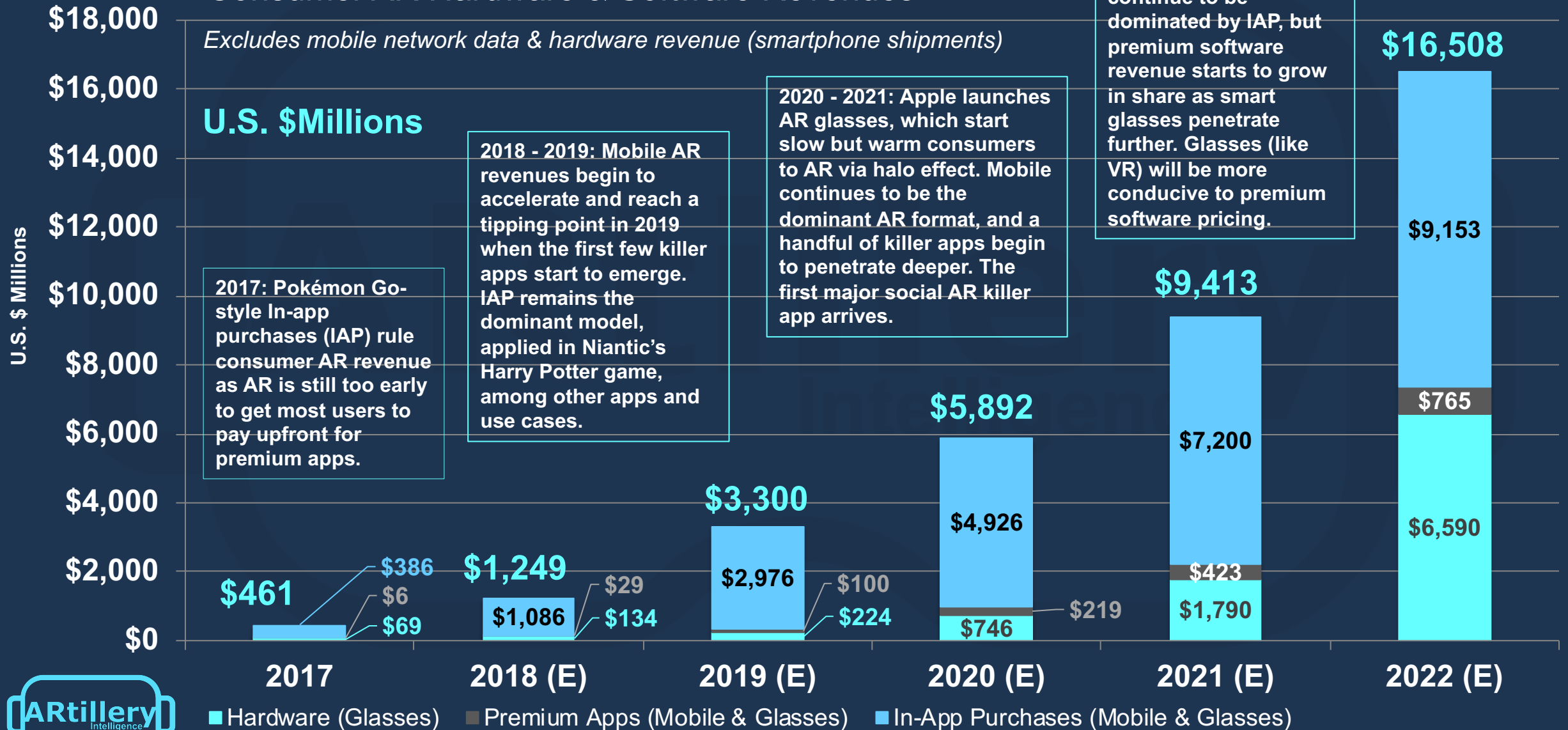
CONSUMER AR DRILL DOWN

(DETAILED VIEW)

Consumer AR Hardware & Software Revenues

Excludes mobile network data & hardware revenue (smartphone shipments)

U.S. \$Millions



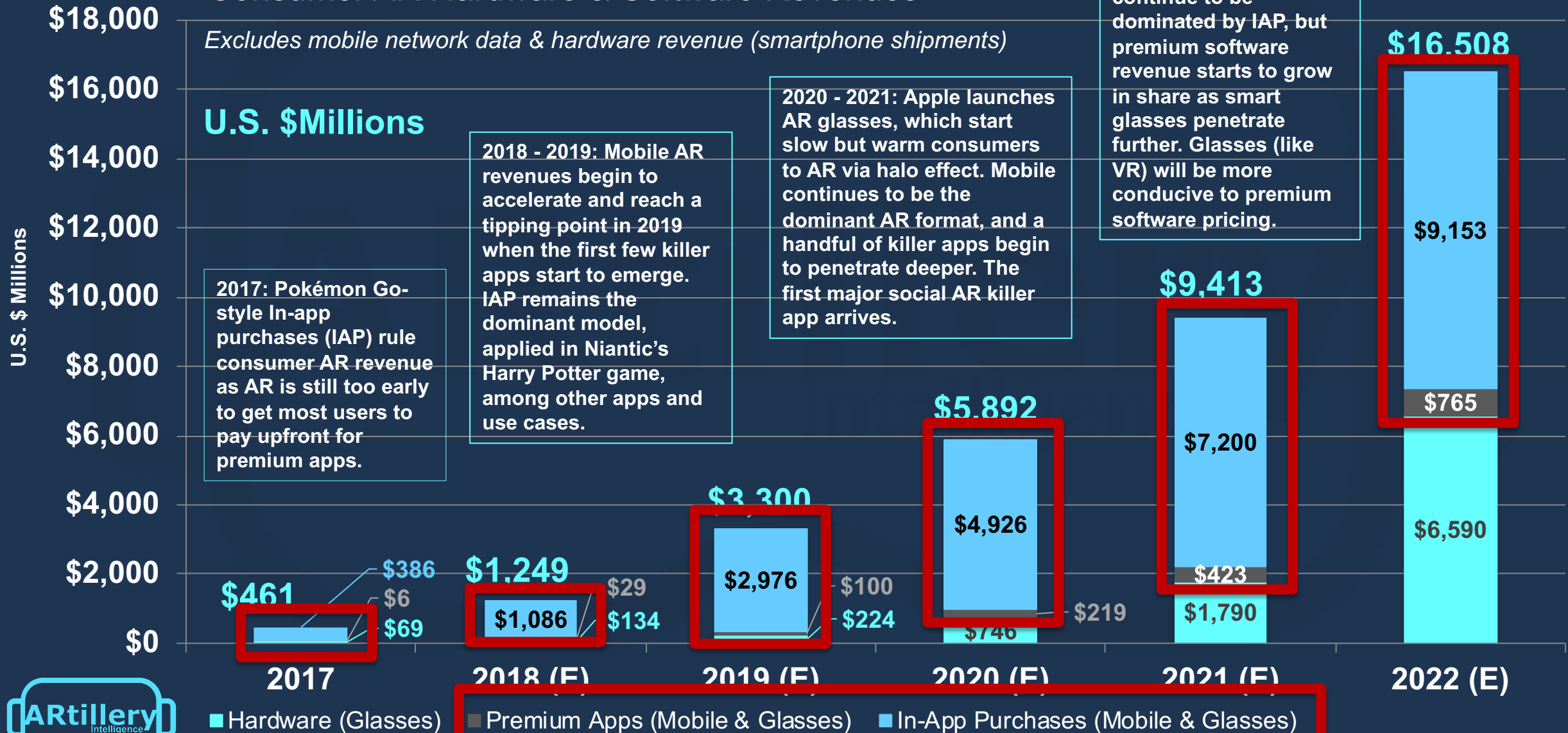
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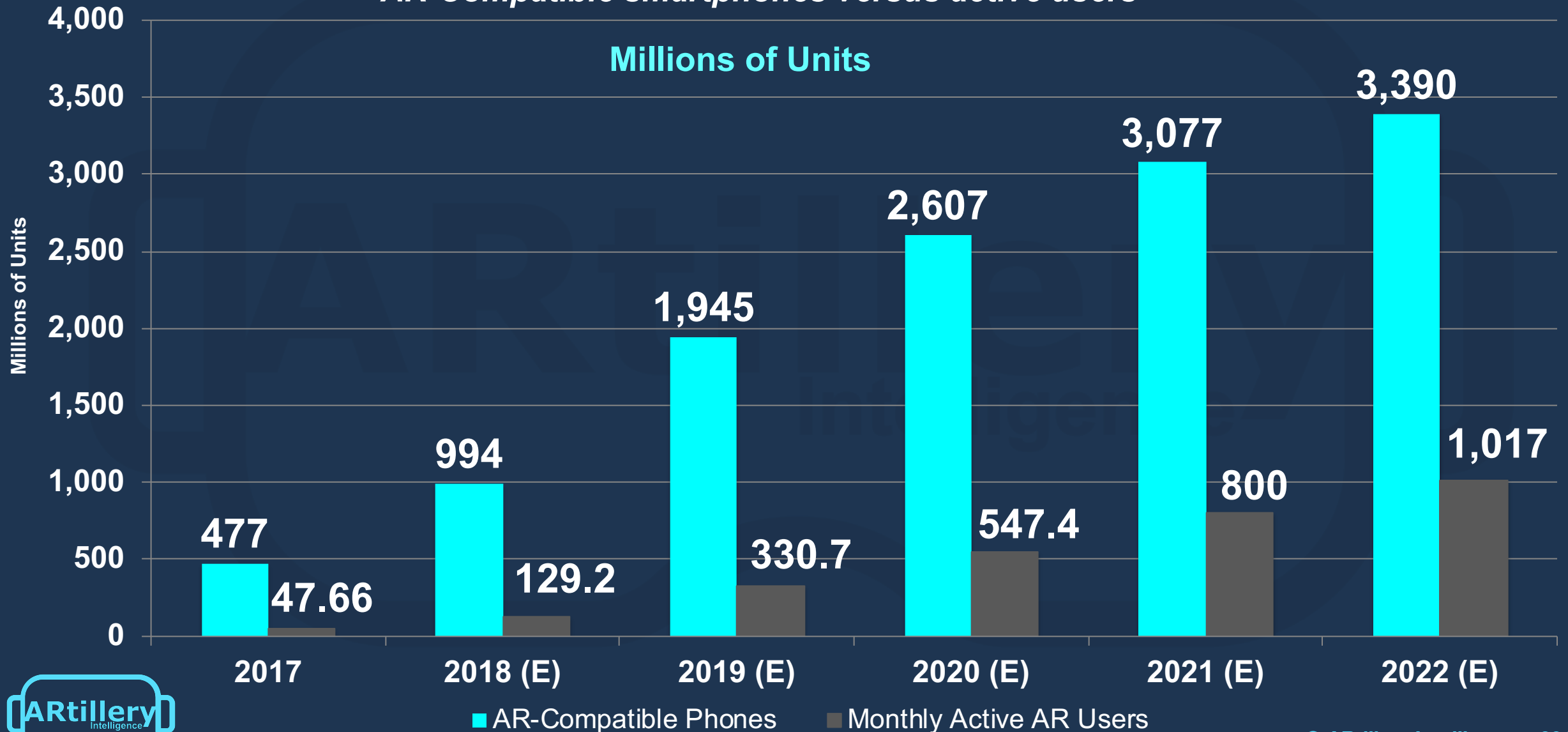
U.S. \$Millions



ARCORE + ARKIT INSTALLED BASE

AR-Compatible smartphones versus active users

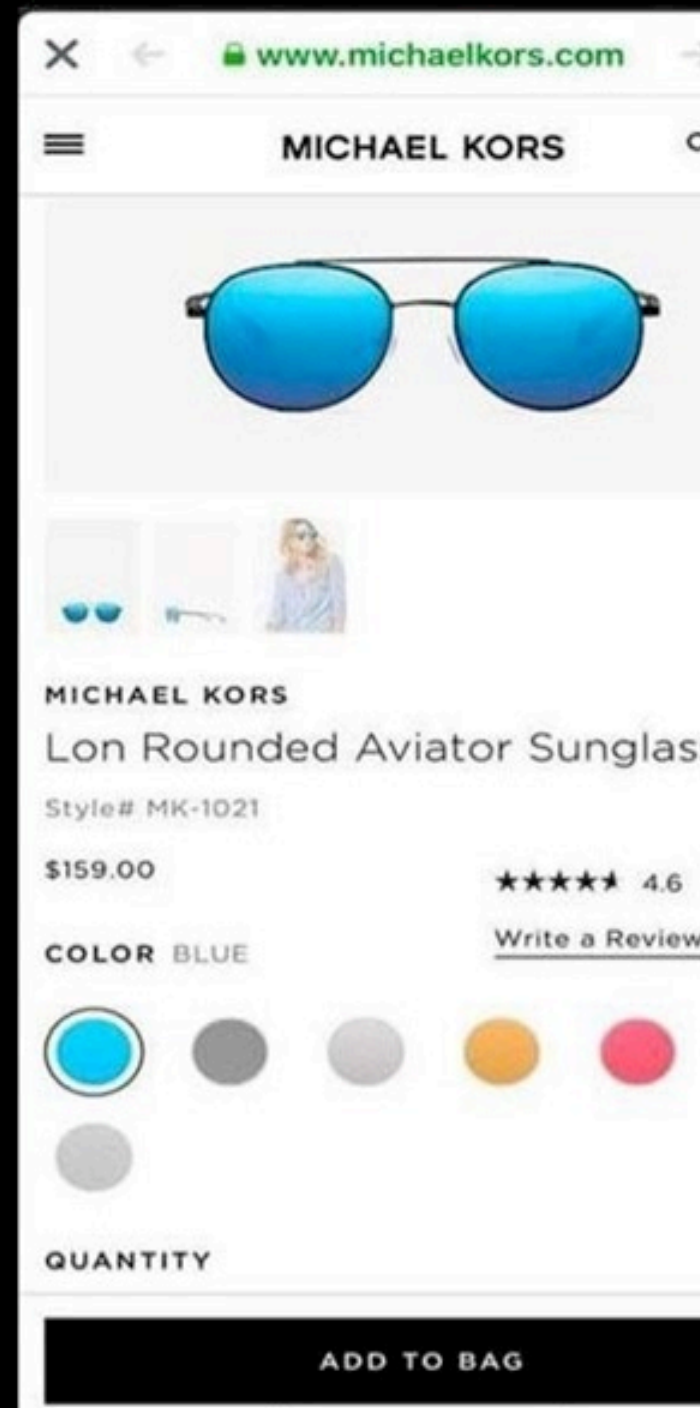
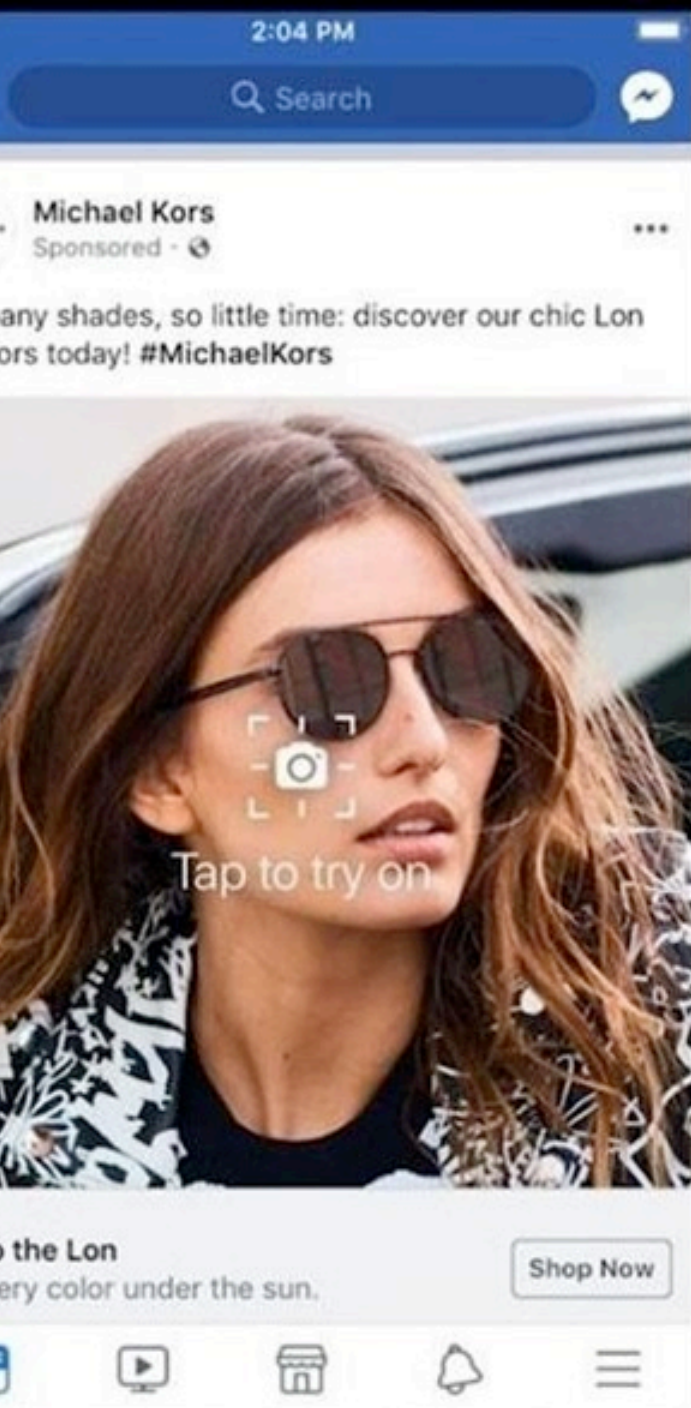
(DETAILED VIEW)



Business Model # 1

Advertising





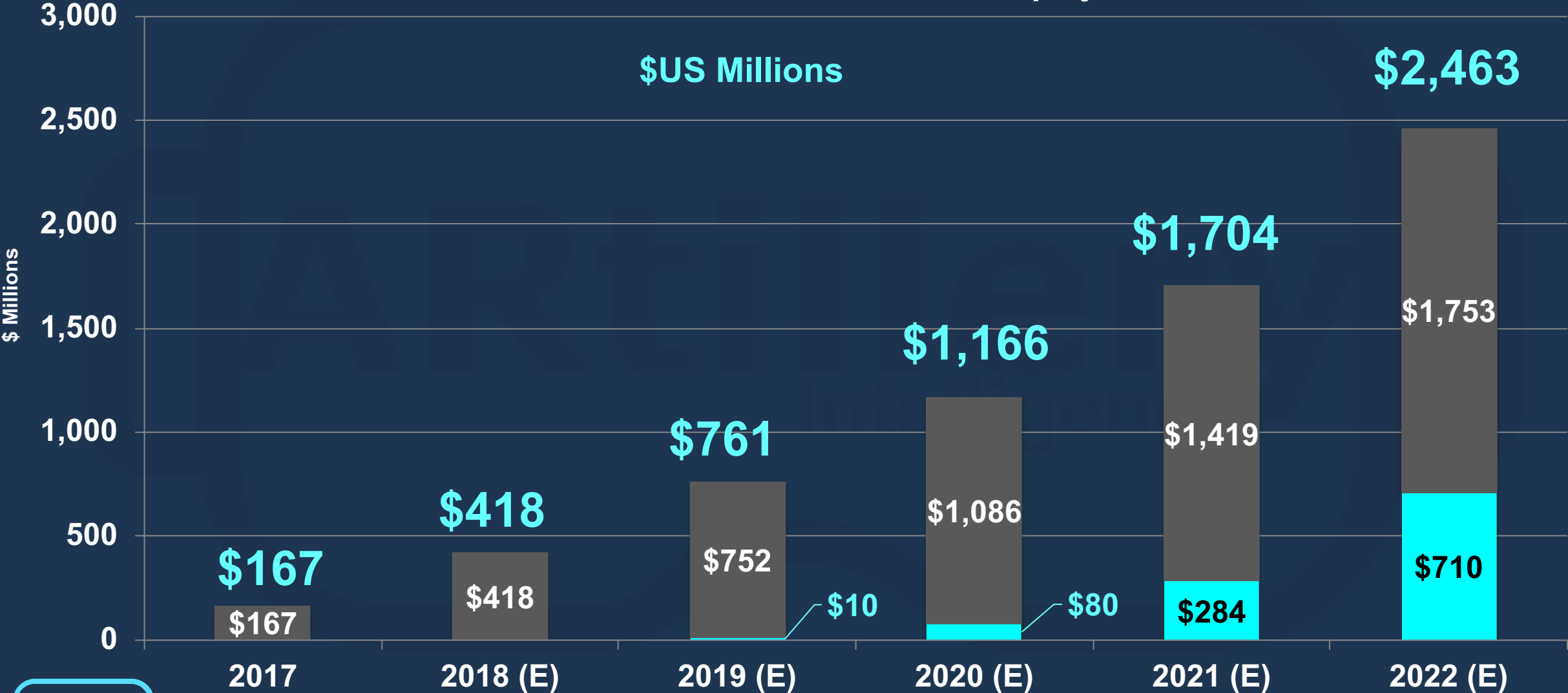
It's already working

Advertiser	App/Publisher	Campaign Dynamics	Results
Home Depot	Yahoo Mail	AR sequence launched from static email banner ad.	2+ minute average engagement time. 12.5 percent CTR to shopping page.
Kia	Facebook Messenger	Car visualization via AR overlay, launched from Kia's Facebook Messenger Bot.	46 percent boost in dealer inventory searches; 20 percent boost in phone calls.
Nike	Facebook Messenger	Kyrie 4 shoe release available exclusively through Facebook Messenger after users launched AR visualization feature.	Shoe sold out in less than an hour
Asus	Facebook Messenger	Customers "virtually unbox" latest ZenPhone 5 via AR visualization launched from Messenger.	Achieved 10x engagement compared to non-AR campaigns.
Foot Locker	Snapchat	The latest Jordan sneaker visualized through AR animations, launched from Snap Stories.	45-second average play time, 4 million impressions.
N/A	Houzz	In-home furniture visualization of a large portion of Houzz's online catalogue.	11x increase in purchase intent. 2.7x increase in time-in-app.
N/A	Snapchat	Branded Lenses, Shoppable AR and Ad to AR comprise its current range of paid AR offerings.	Overall 15 percent boost in purchase intent and a 9 percent boost in conversions from branded AR lenses.



GLOBAL AR ADVERTISING BY FORMAT

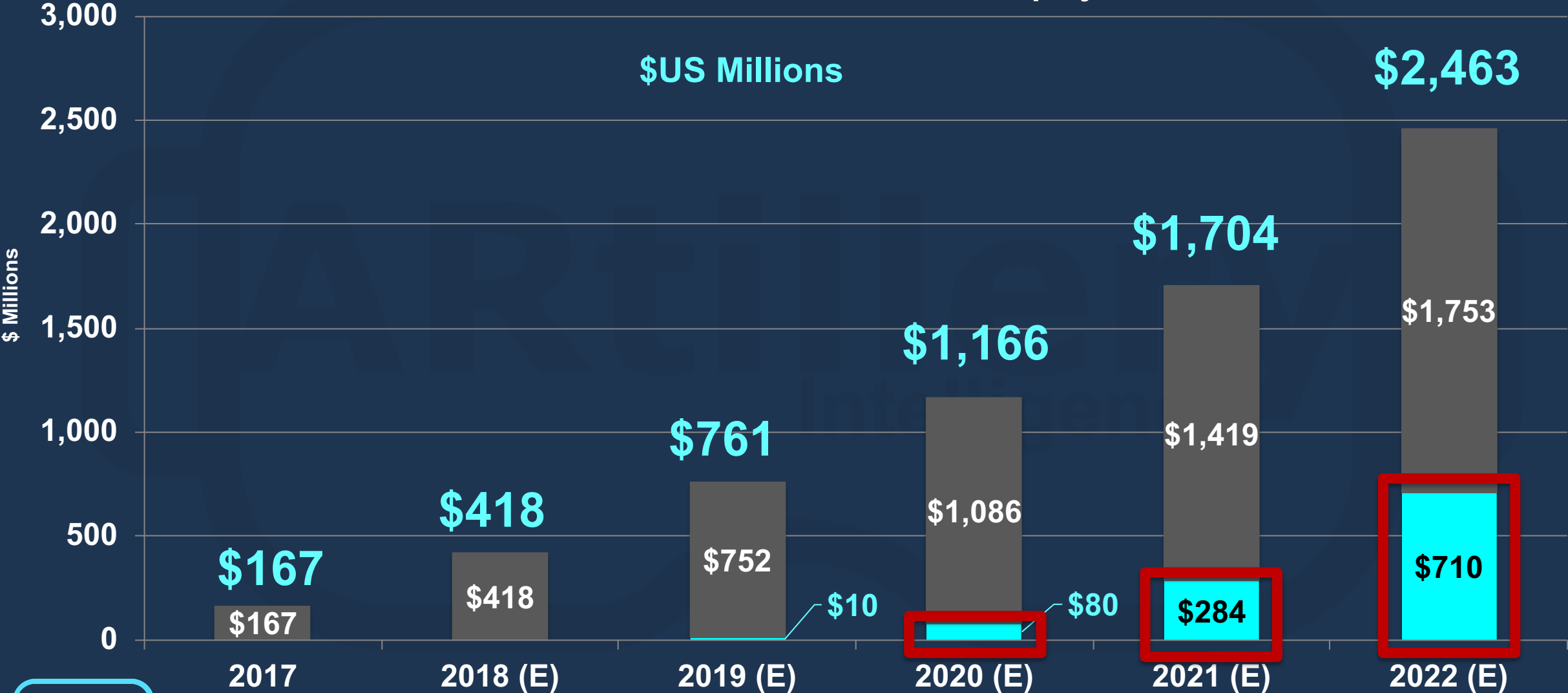
Global AR ad revenues: search versus display (DETAILED VIEW)



Visual-Search Ad Revenue AR Display Ad Revenue

GLOBAL AR ADVERTISING BY FORMAT

Global AR ad revenues: search versus display (DETAILED VIEW)



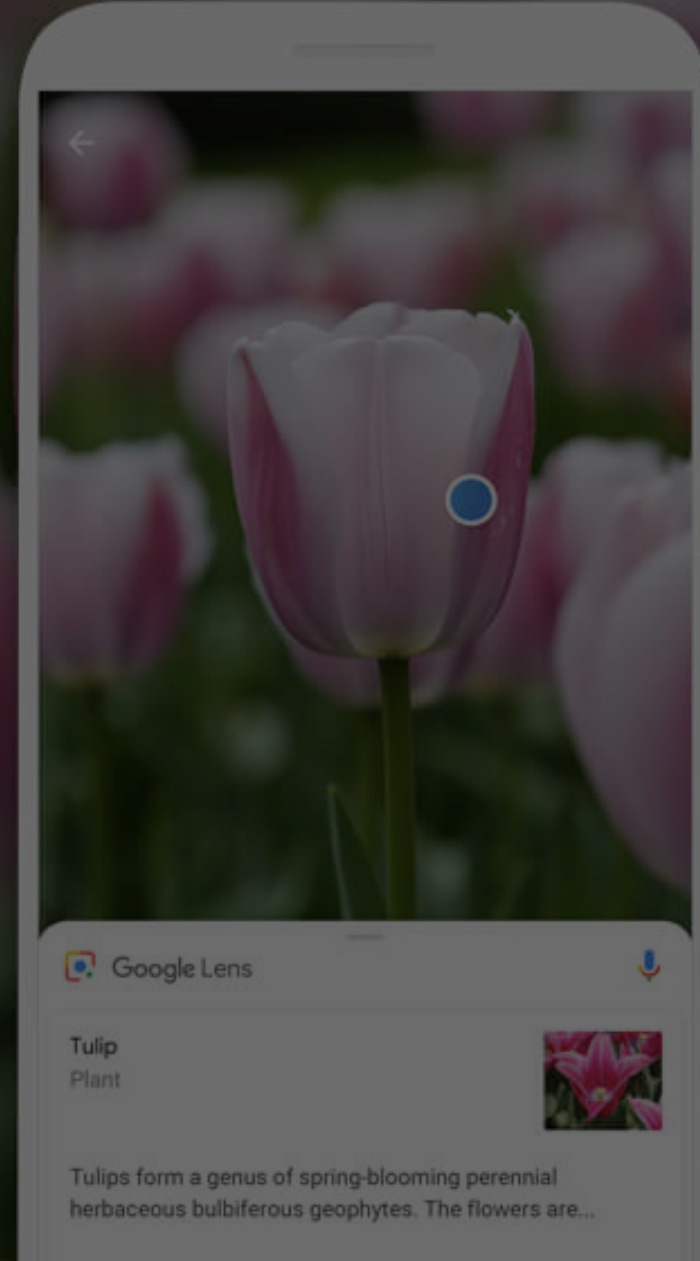
Visual-Search Ad Revenue

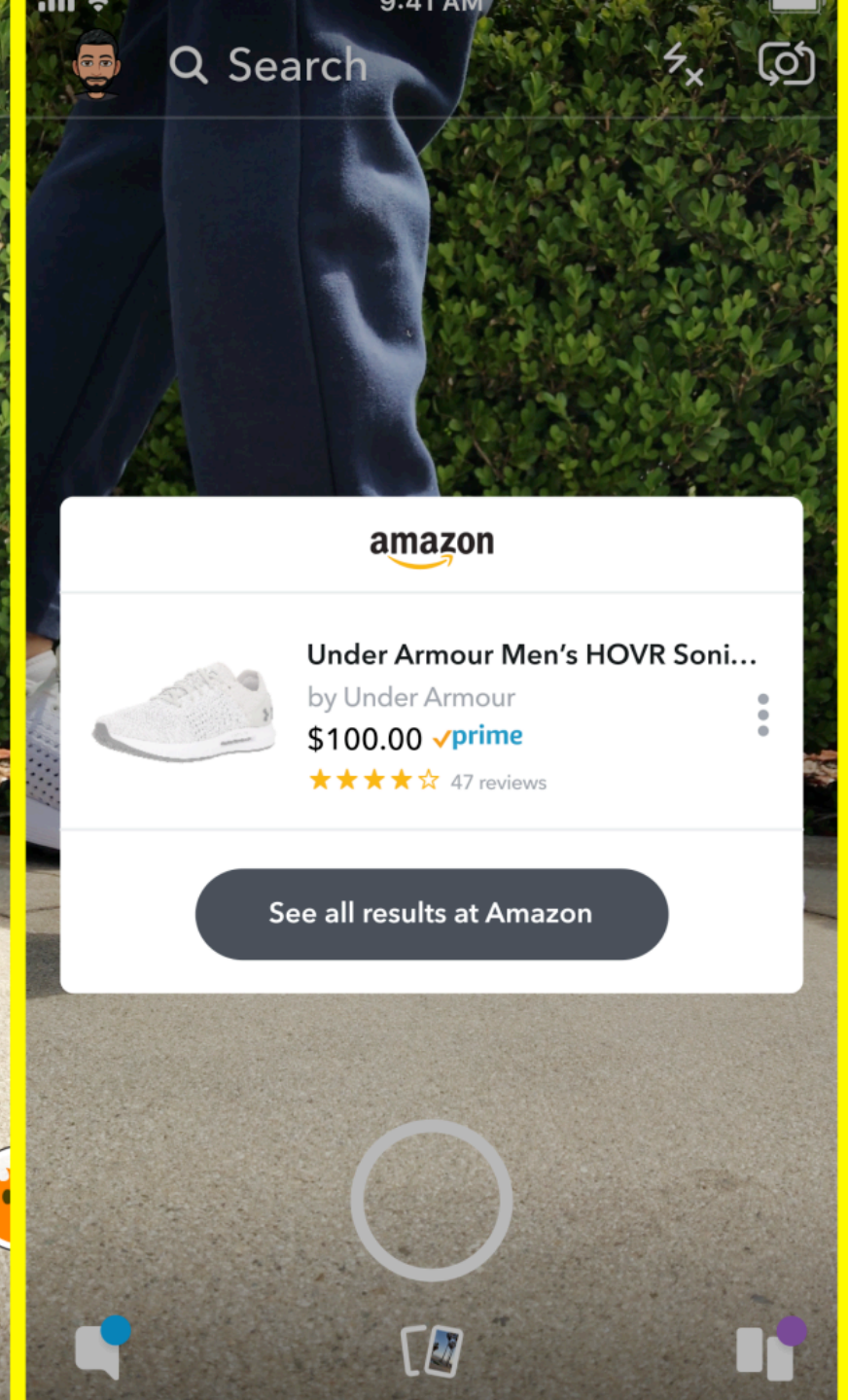
AR Display Ad Revenue

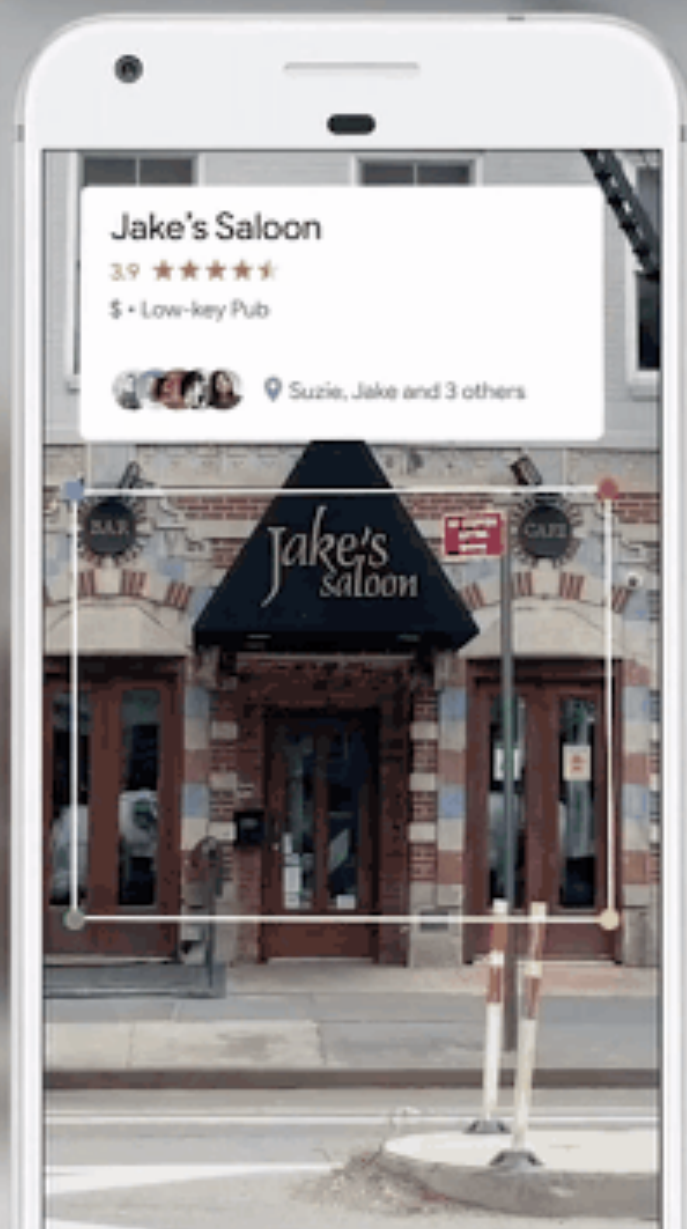
Visual Search

“The camera is not just answering questions, but putting the answers right where the questions are,”

-- Aparna Chennapragada, VP of Product, VR & AR, Google









Google Lens



humble potato

a down to earth burger joint

SMALL BITES

Edamame / Spicy Garlic Edamame

4/5
Popcorn Chicken
Crispy / Garlic Parmesan / Spicy / Plain

Taishu

House ground chicken meatball, ginger, garlic, cheddar melt, applewood smoked bacon, HP sauce

Kani-oge

Small batch Japanese style fried chicken

Garlic Finger

Crispy and bony chicken wings with house-made yuzu and romaine glaze

Spudtacular

Crispy fries, cheddar melt, applewood smoked bacon, onion, scallion, soy-pickled jalapeño, HP spicy sauce

Three Little Pigs (LUP)

Crispy tender ribs, Kurubuta pork belly, smoked bacon, fried spam, melted cheddar, grilled onions, creamy yuzu-vinagrette and sunny egg

Tamago Sando

Cheddar melt, caramelized onion, sunny egg, avocado, applewood smoked bacon, hash brown, crisp, tomato, HP sauce

SEASONAL

Spam Musubi Bowl

Angus patty, deep-fried melt, hash brown, crisp, grilled spam, avocado, bacon, fried egg and HP sauce

Two Kine Plate

Two eggs, two grilled spam, two slices of Applewood bacon, Kake Kake chicken, patty, Ahihi rice, rice and HP sauce

HAMBURGERS

Hambôgo

Angus patty, caramelized onion, cheddar melt, house-made garlic jam, romaine, tomato, HP sauce

Kani Sôgo

Angus patty, slow cooked Japanese curry, tomato, yuzu-jalapeno slice, sunny egg

Pork Sôgo

Sliced Kurubuta pork belly with shogayake marinade, provolone melt, creamy yuzu-jalapeno slice, wonton chips

Jack'd

Angus patty, caramelized onion, pepperjack melt, applewood smoked bacon, avocado, soy-pickled jalapeño, creamy yuzu-vinagrette

Tempah Sôgo

Organic tempah, caramelized onion, provolone melt, garlic jam, avocado, romaine, tomato, HP sauce

Battle Royale

Angus Patty, caramelized onion, cheddar, garlic jam, smoked bacon, avocado, romaine, tomato, sunny egg, enchi-ma-togara-hi, HP spicy sauce

French Fries

4

Sweet Potato Fries

5

Kani Fries

7

Shichimi Garlic Parmesan Fries

7

Spicy Tots

4

SANDWICHES

Kake Kake

House ground, grilled on garlic spice, cheddar melt, yuzu-jalapeno slice, sunny egg

The Yandere

Grilled chicken breast, tomato, creamy yuzu-vinagrette

Yamaku Sando

Sliced 10-eye steak, Yuzu provolone melt, grilled enchi-ma-togara-hi, garlic

Kake Kake Sando

Panko-crusted chicken, cooked Japanese cut, HP sauce

Obiwan (Grandma's)

Down-home fried chicken, HP secret marinade, provolone, creamy yuzu-vinagrette

Bôh Mi

Kurubuta pork belly, HP marin, pickled carrots, jalapeños, HP sauce

POTATO - POTATO

French Fries

4

Sweet Potato Fries

5

Kani Fries

7

Shichimi Garlic Parmesan Fries

7

Spicy Tots

4

RICE & POLY

Kake Kake Bowl

Double Angus patty, Japanese curry, sunny egg

Chicken Katsu with Kani

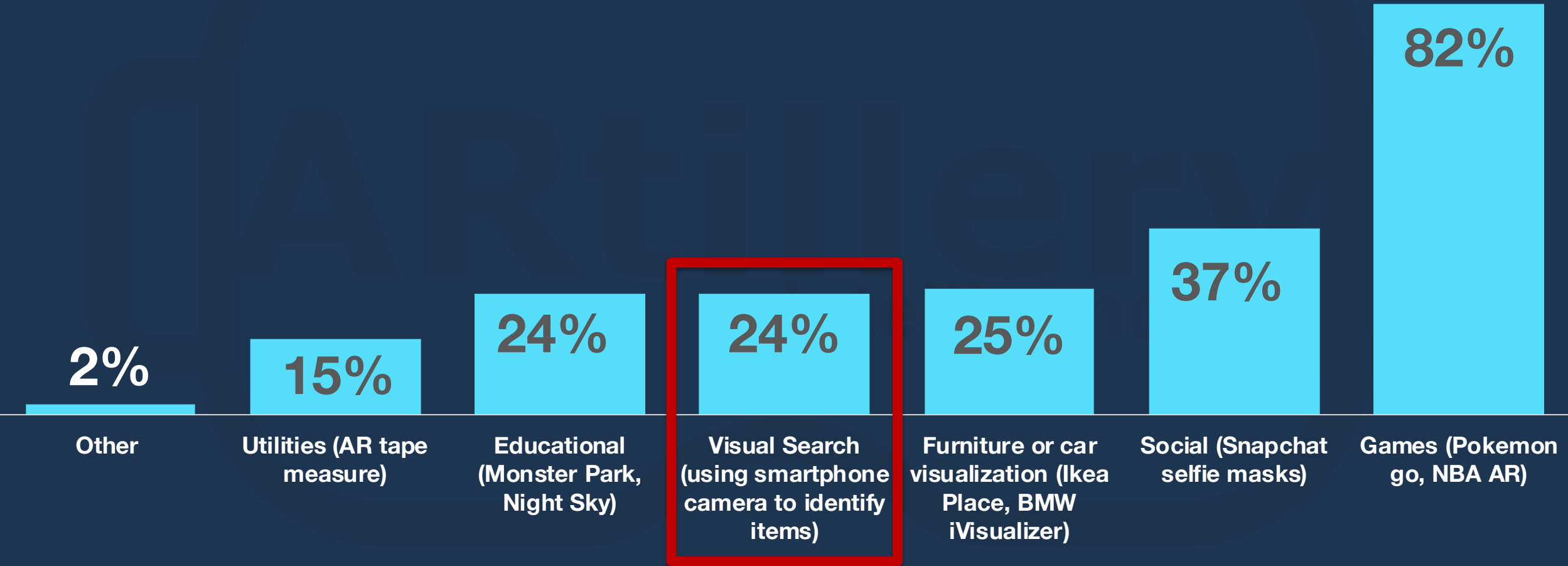
Panko-crusted chicken, cooked Japanese cut, HP sauce

Tap capture button to select



Mobile AR Categories

What types of mobile AR experiences have you used?



Thrive Analytics
smart decisions that drive success

Base = 3,118 US online adults (18+).

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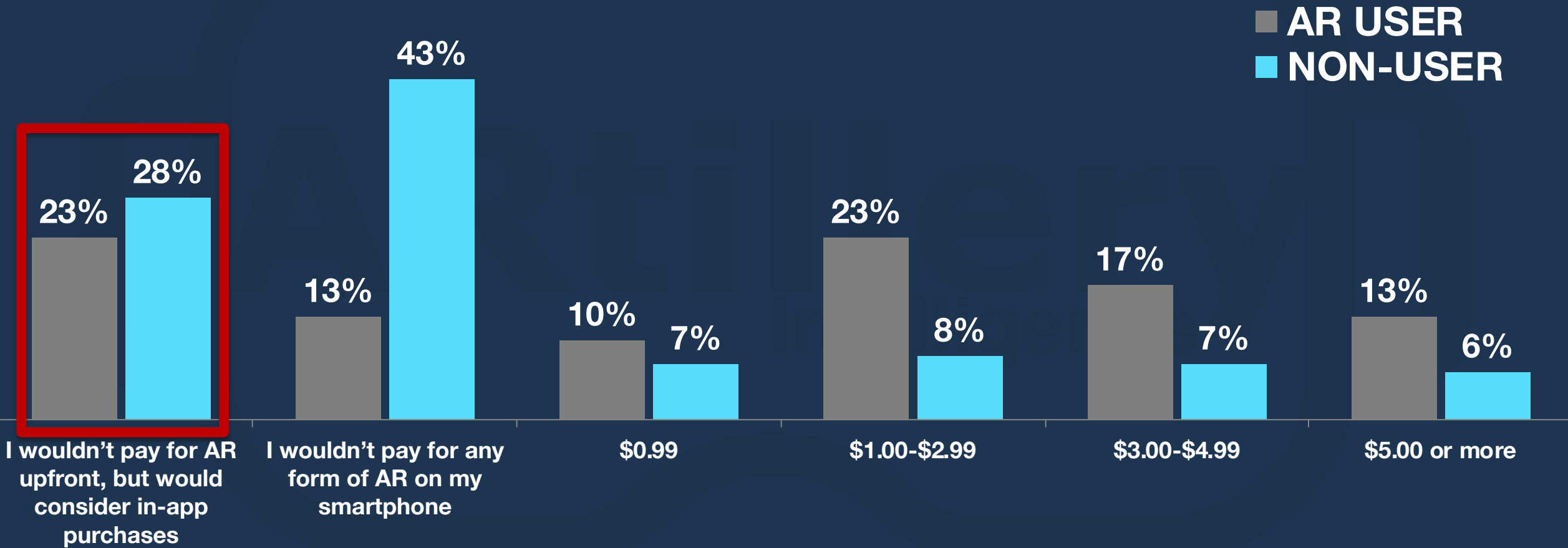
Business Model # 2

In-app Purchases



Mobile AR Price Sensitivity

What's the most you'd pay for a mobile AR experience?



Thrive Analytics
smart decisions that drive success

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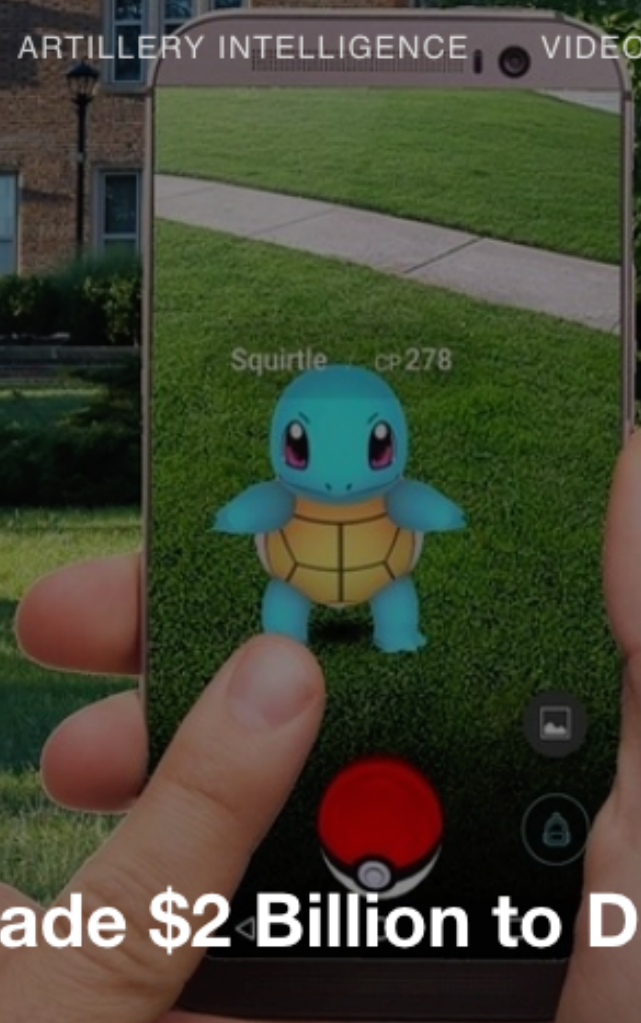
ARTILLERY

NOVEMBER 19, 2018

Data Point of the Week: Pokemon Go Has Made \$2 Billion to Date

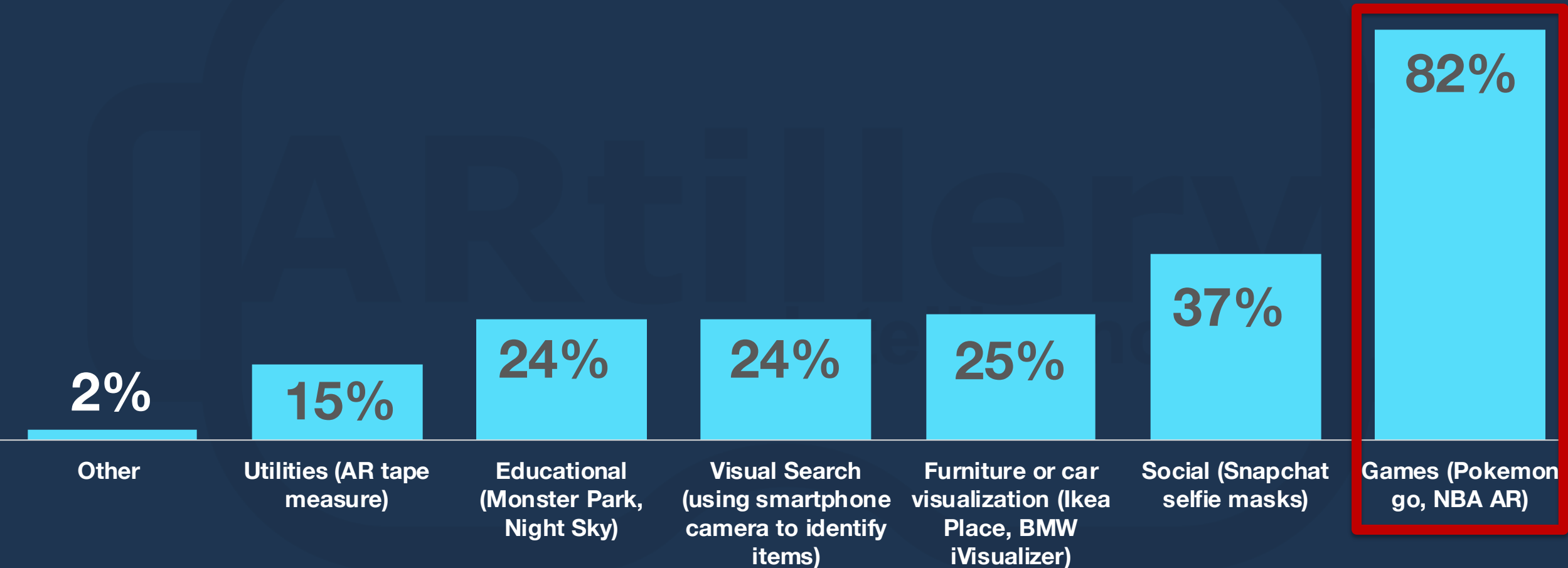


by Mike Boland.



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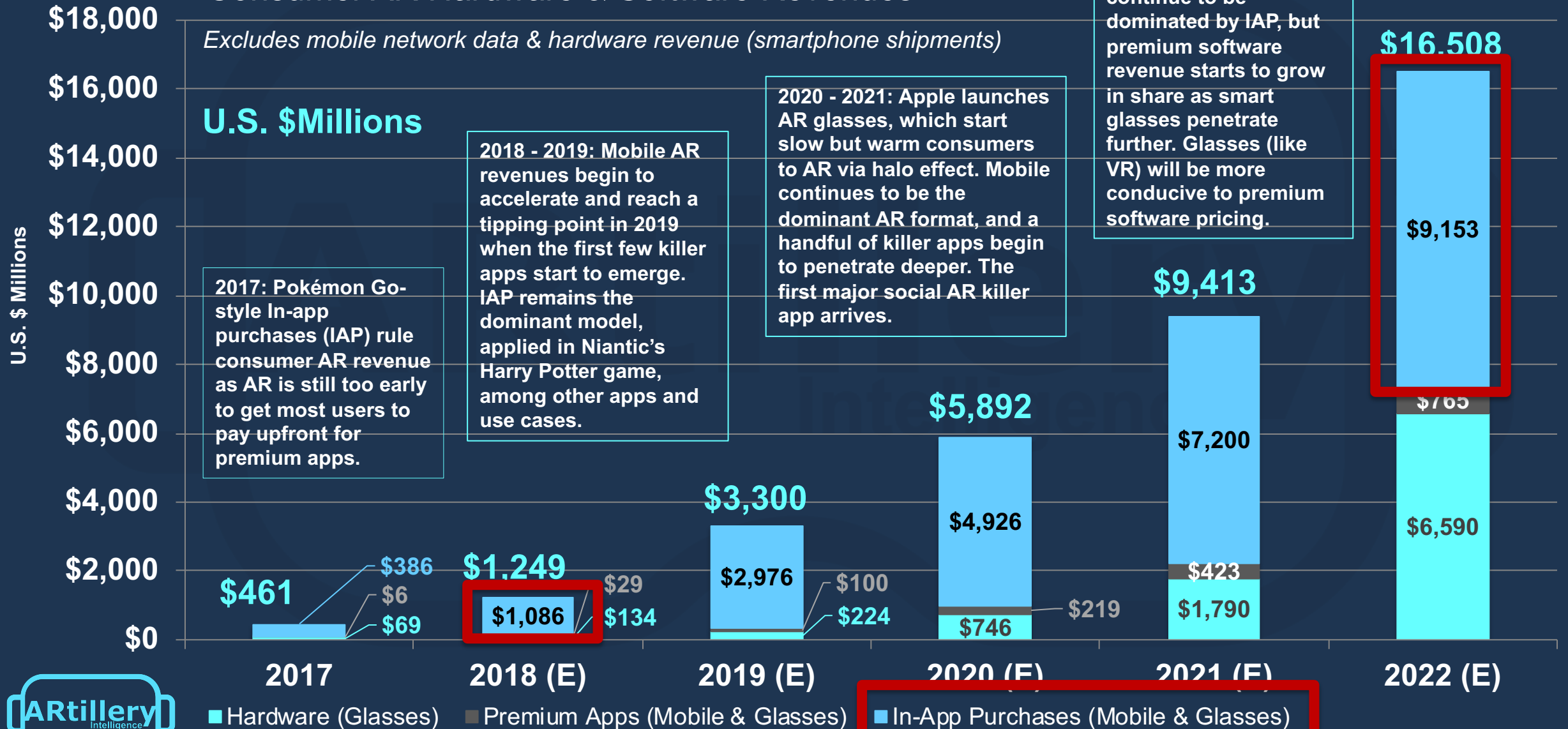
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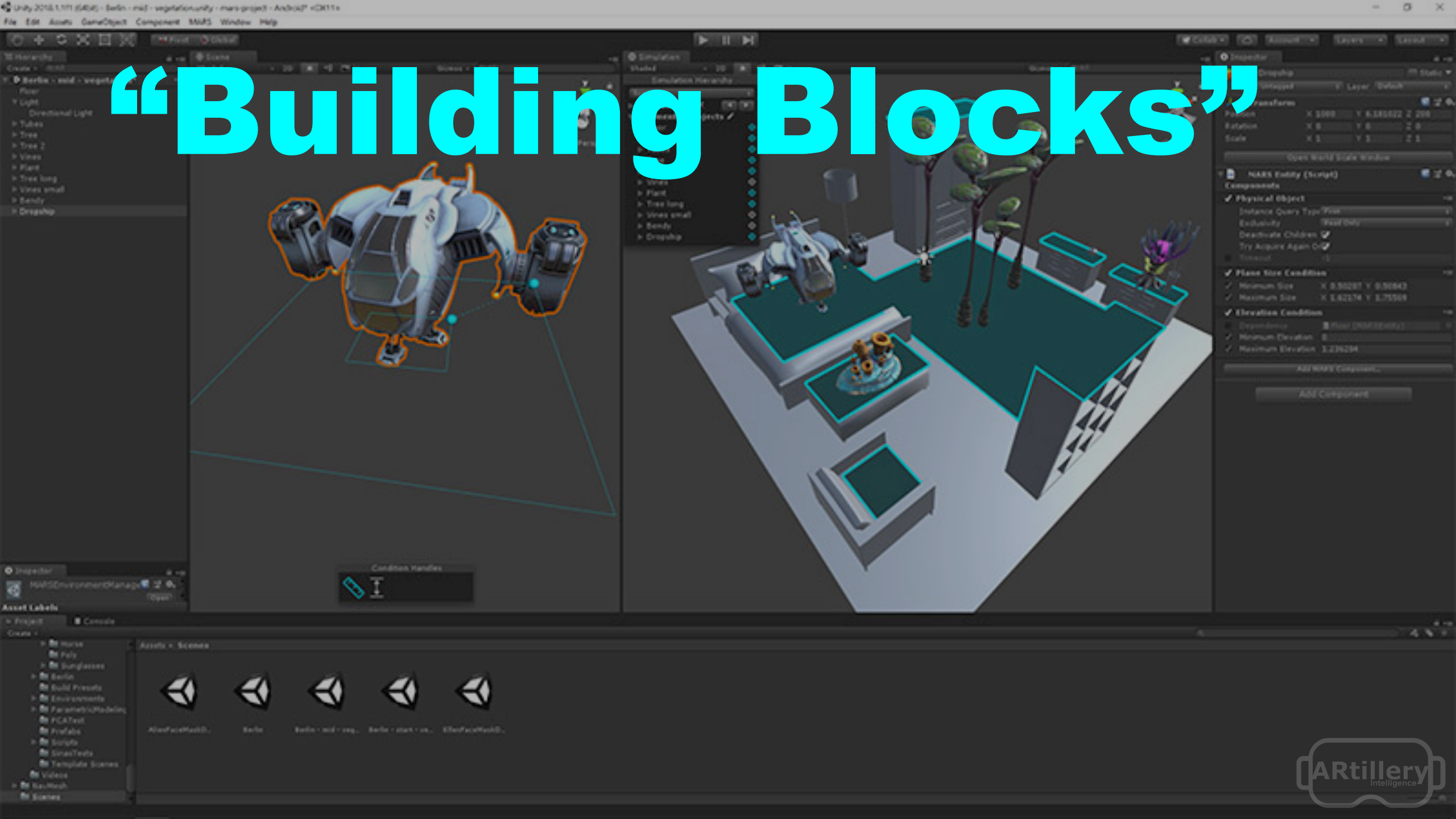


Business Model # 3

AR As A Service



“Building Blocks”



Example:

3D Product Model Scan/Creation Tools



Example: Niantic's Real World Platform



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