

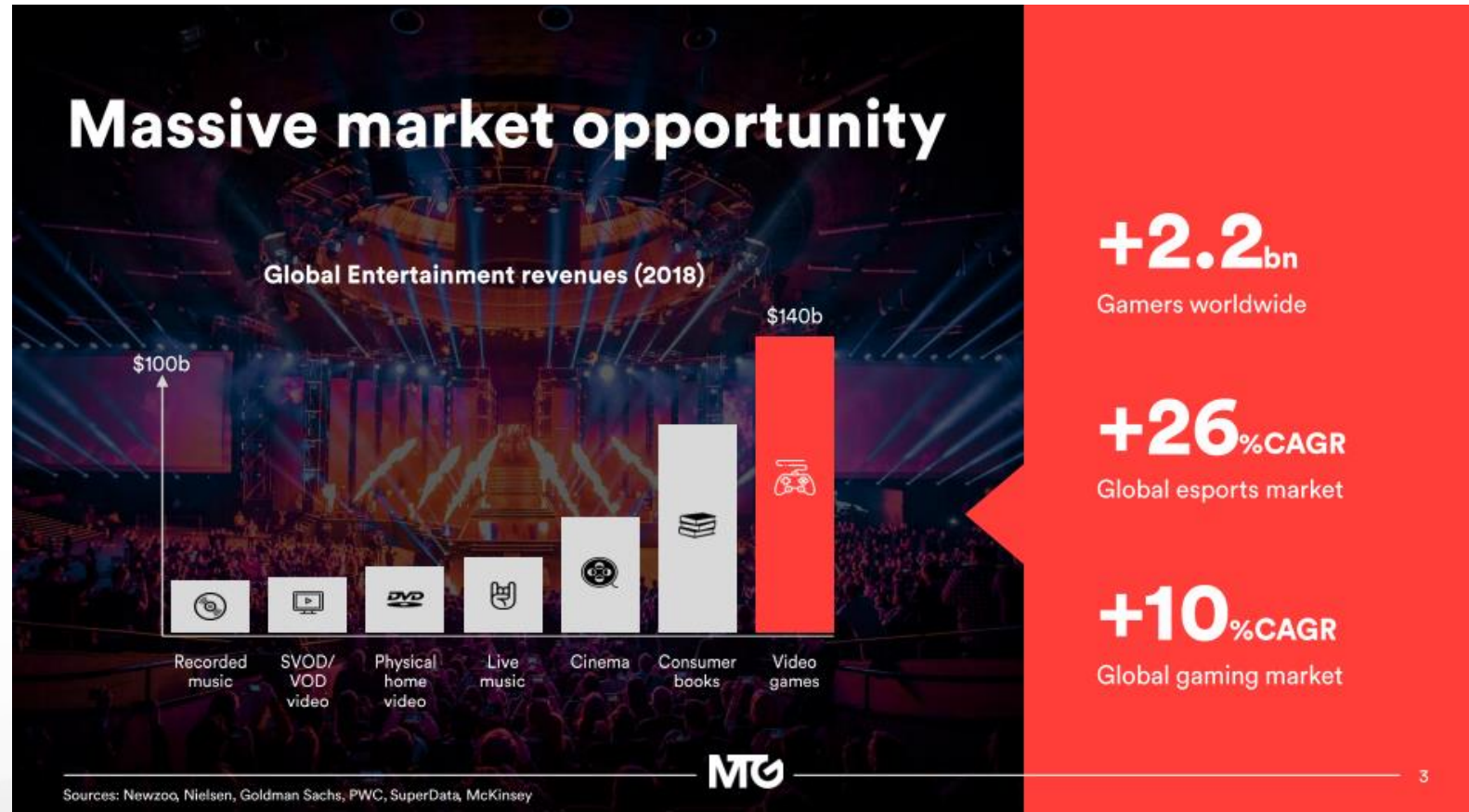


VIDEO GAMING / ESPORTS INVESTING 101

SAIGA CAPITAL

VIDEO GAMING / ESPORTS MARKET (1)

BIGGEST ENTERTAINMENT - 2X BIGGER THAN HOLLYWOOD (\$43BN) & MUSIC (\$20BN) COMBINED



VIDEO GAMING / ESPORTS MARKET (2)



MOBILE GAMING

Compounding Growth: **+26.8%**

2012-2021 GLOBAL GAMES MARKET

REVENUES PER SEGMENT 2012-2021 WITH COMPOUND ANNUAL GROWTH RATES

- Mobile Games
- PC Games
- Console Games



Source: Newzoo



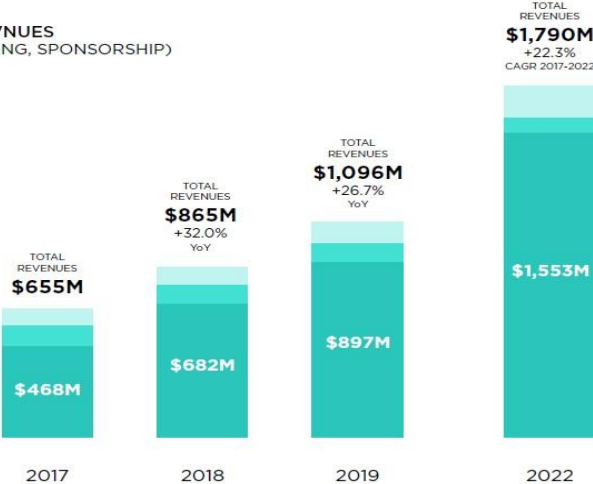
E-SPORTS

Compounding Growth: **+22.3%**

ESPORTS REVENUE GROWTH
GLOBAL | 2017, 2018, 2019, 2022

- MERCHANDISE & TICKETS
- GAME PUBLISHER FEES
- BRAND INVESTMENT REVENUES (MEDIA RIGHTS, ADVERTISING, SPONSORSHIP)

Please note that these numbers are from February 2019. We revise our revenue and audience estimates every quarter and update if necessary. You can always find the most up to date numbers at: newzoo.com/key-numbers



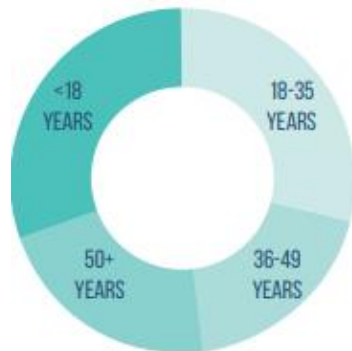
Source: Newzoo

VIDEO GAMING / ESPORTS MARKET (3)

AVERAGE GAMER AGE

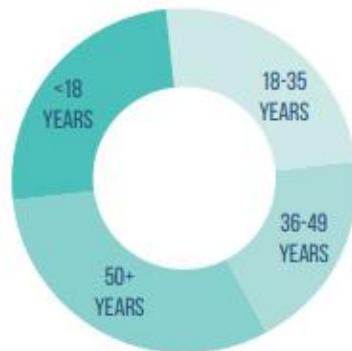
The average gamer is 34 years old.

AVERAGE GAMERS BY AGE GROUP



MALE

UNDER 18 YEARS OLD: 17%
 18-35: 16%
 36-49: 12%
 AGE 50+: 11%



FEMALE

UNDER 18 YEARS OLD: 11%
 18-35: 13%
 36-49: 8%
 AGE 50+: 12%

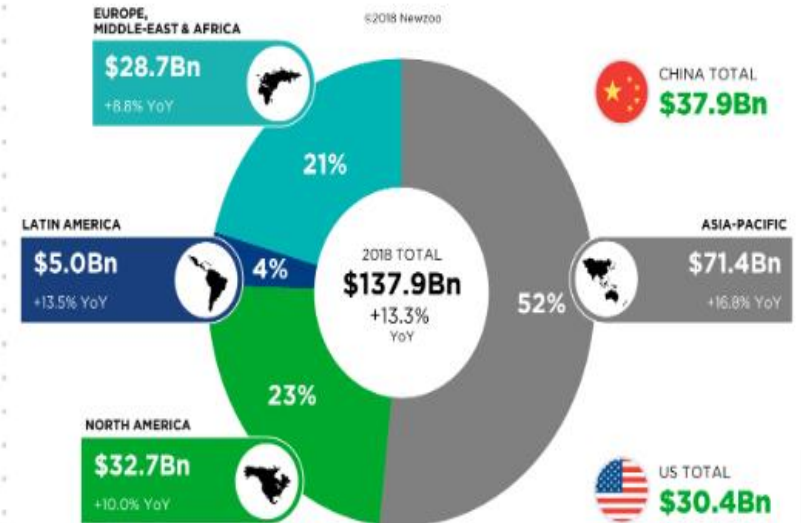
Source: The Entertainment Software Association

GLOBAL GAMING MARKET (ASIA LEADING)



2018 GLOBAL GAMES MARKET

PER REGION WITH YEAR-ON-YEAR GROWTH RATES



Source: Newzoo

VIDEO GAMING / ESPORTS MARKET (4)

ESPORTS PRIZE MONEY

FORTNITE WORLD CUP CHAMP WINS BIG

| | |
|--|--|
|  <p>2019 Fortnite Champ Kyle Giersdorf</p> <p>\$3,025,900</p>  |  <p>2019 Wimbledon Novak Djokovic</p> <p>\$2,983,748</p> |
|  <p>2019 Masters Tiger Woods</p> <p>\$2,070,000</p> |  <p>2019 PGA Brooks Koepka</p> <p>\$1,980,000</p> |

Source: knowyourmeme.com

Top-Earning Video Gamers

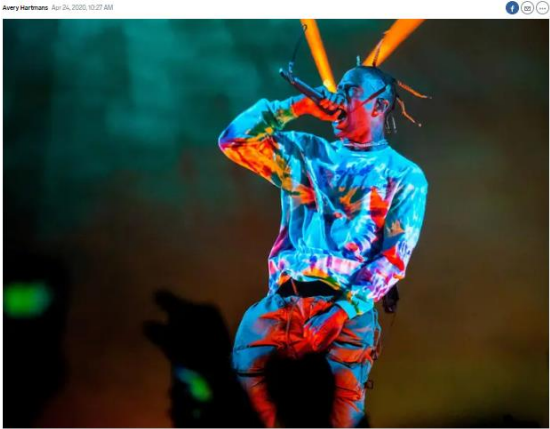
The Ten Highest Paid Video Gamers: In USD (MM)

| | |
|------------------------------|------|
| 1 Ninja (Mixer) | 17 |
| 2 Felix Kjellberg (Youtuber) | 15 |
| 3 Preston (Minecraft) | 14 |
| 4 Mark Fischbach | 14 |
| 5 Shroud | 12.5 |
| 6 DanTDM (Minecraft) | 12 |
| 7 VanossGaming | 11.5 |
| 8 Jacksepticeye | 11 |
| 9 TimTheTatman | 8 |
| 10 Nick Kolcheff | 6 |

Source: Forbes

Digital Concert

More than 12 million players tuned in for Travis Scott's 'Fortnite' event. That's roughly the same size as the average 'Monday Night Football' audience.



Travis Scott. Scott Leator/Getty Images

Source: Business Insider

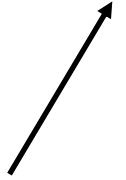
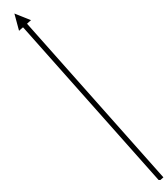
PRIVATE vs PUBLIC (OVERVIEW)

PRIVATE MARKET

- 1. Esports Team
- 2. Game Studios
- 3. Esports Infrastructure

PUBLIC MARKET

~150 Stocks globally
\$1.5TN Market cap



Source: BlackSwan

PRIVATE (1) - Esports Teams Overvalued (~14x)

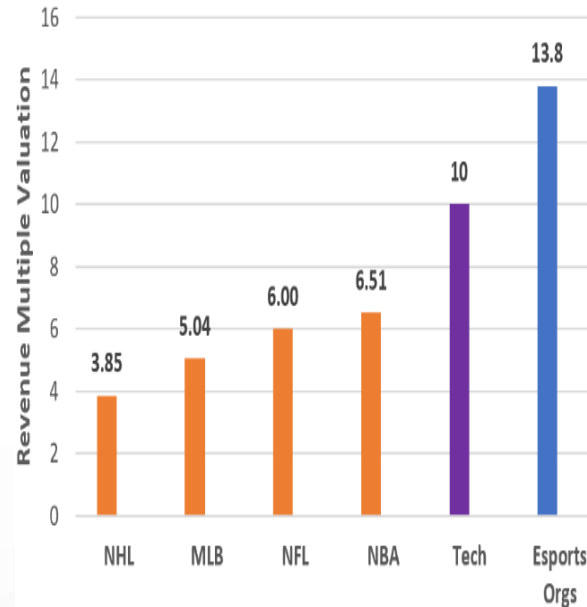
TEAM VALUATION

| Team | Valuation(\$M) | Revenue(\$M) | Rev Multiple |
|----------------|----------------|--------------|--------------|
| Cloud9 | 310 | 22 | 14.1 |
| TSM | 250 | 25 | 10.0 |
| Team Liquid | 200 | 17 | 11.8 |
| Echo Fox | 150 | 11 | 13.6 |
| OpTic | 130 | 10 | 13.0 |
| Fnatic | 120 | 11 | 10.9 |
| Gen G | 110 | 12 | 9.2 |
| G2 Esports | 105 | 8 | 13.1 |
| Immortals | 100 | 5 | 20.0 |
| Envy Gaming | 95 | 5 | 19.0 |
| 100Thieves | 90 | 5 | 18.0 |
| Counter Logic | 50 | 4 | 12.5 |
| Average | 142.5 | 11.25 | 13.8 |

Source: Forbes (2018)

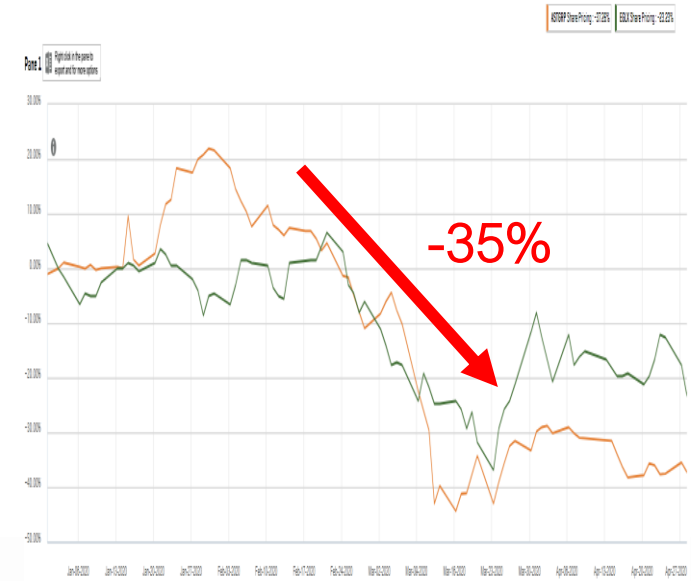
SALES MULTIPLE

Revenue Multiples



Source: Forbes + Pitchbook

IPOs RESULTS

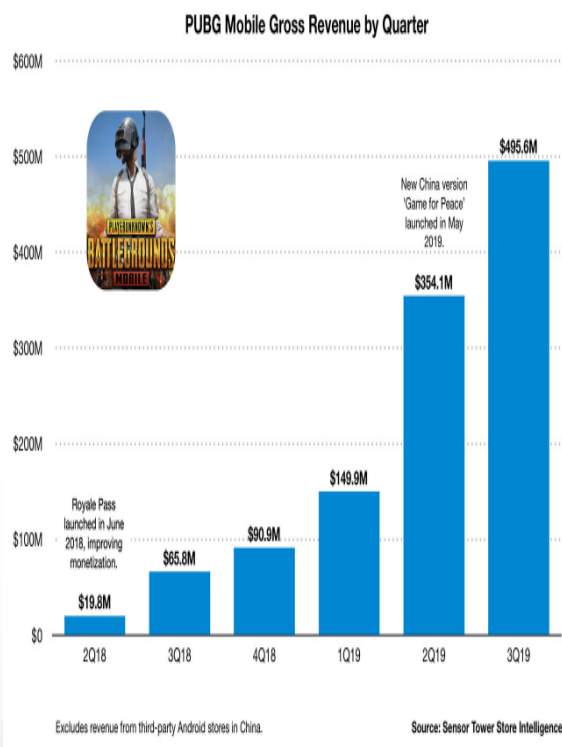


Source: CapitalIQ

IPOs: Astralis Group (ASTRGRP.CO)
& Enthusiast Gaming (EGLX.TSXV)

PRIVATE (2) - Hard To Predict (ART)

CASE 1 - Underdog Team (\$4.5BN Valuation)



CASE 2 - Triple AAA Team (7YRS- FAIL)

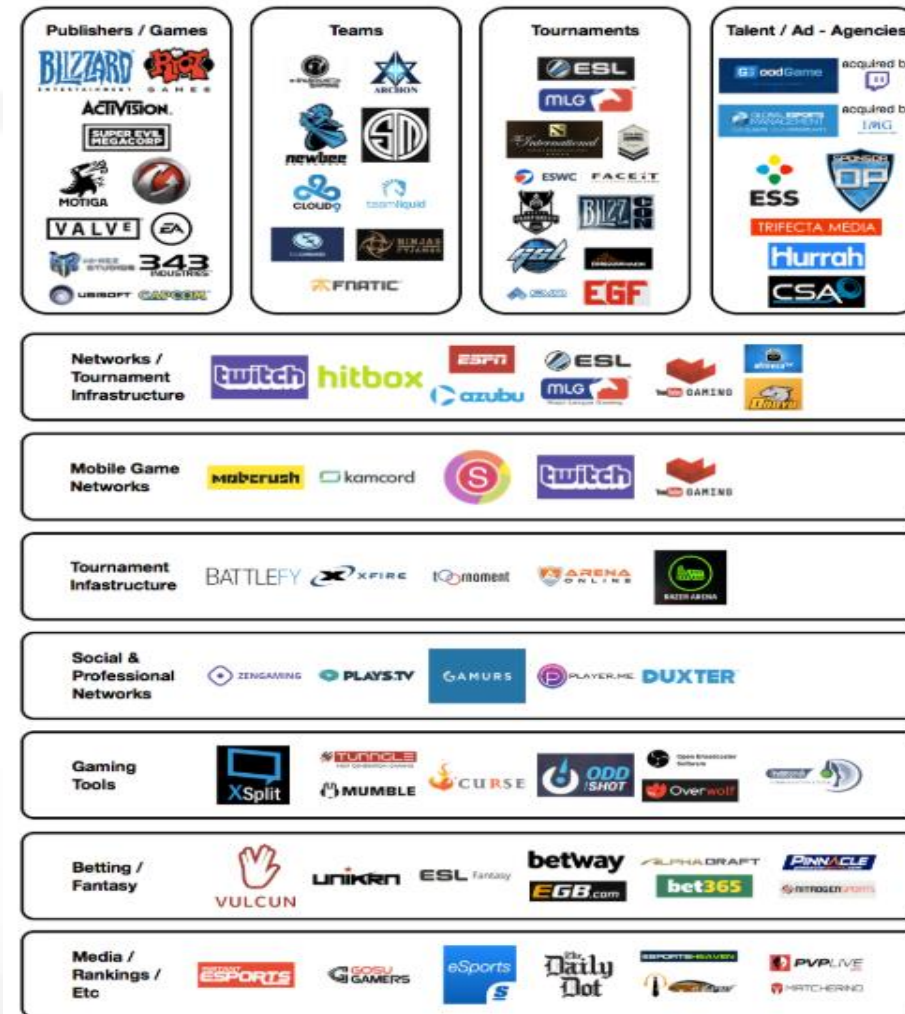
Destination Games



| | |
|--------------------|---|
| Formerly | NCSOFT Austin (2001–2009) |
| Former type | Subsidiary |
| Industry | Video games |
| Fate | Dissolved |
| Successor | Portalarium |
| Founded | Austin, Texas, United States, April 2000 |
| Founders | Richard Garriott Robert Garriott Starr Long |

Source: Google Search

PRIVATE (3) - Too Fragmented



Source: medium

PUBLIC (1) - Proven Track Records - Multiple IPs



PUBLIC (1) - Compounding Growth

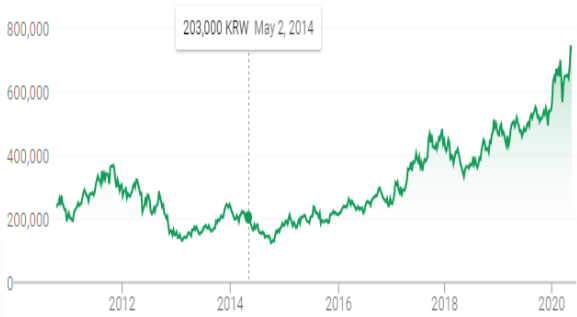
NCSOFT

Market Summary > NCSOFT Corp
KRX: 036570

Following

729,000 KRW -16,000 (2.15%) ↓
May 18, 2:21 PM GMT+9 - Disclaimer

1 day 5 days 1 month 6 months YTD 1 year 5 years Max



| | | | |
|-----------|---------|------------|---------|
| Open | 745,000 | Div yield | 0.72% |
| High | 750,000 | Prev close | 745,000 |
| Low | 725,000 | 52-wk high | 759,000 |
| Mkt cap | 16.00T | 52-wk low | 451,500 |
| P/E ratio | 41.94 | | |

Source: Google

TAKE TWO

Market Summary > TAKE-TWO INTERACTIVE SOFTWARE, I
NASDAQ: TTWO

Following

132.54 USD +1.01 (0.77%) ↑
May 15, 4:00 PM EDT - Disclaimer

1 day 5 days 1 month 6 months YTD 1 year 5 years Max



| | | | |
|-----------|--------|------------|--------|
| Open | 129.71 | Div yield | - |
| High | 133.54 | Prev close | 131.53 |
| Low | 129.50 | 52-wk high | 135.70 |
| Mkt cap | 15.03B | 52-wk low | 100.00 |
| P/E ratio | 44.80 | | |

Source: Google

TENCENT

Market Summary > TENCENT HOLDING/ADR
OTCMKTS: TCEHY

Following

54.01 USD -1.99 (3.55%) ↓
May 15, 4:00 PM EDT - Disclaimer

1 day 5 days 1 month 6 months YTD 1 year 5 years Max



| | | | |
|-----------|-------|------------|-------|
| Open | 53.85 | Div yield | 0.18% |
| High | 54.18 | Prev close | 56.00 |
| Low | 53.60 | 52-wk high | 58.66 |
| Mkt cap | - | 52-wk low | 40.04 |
| P/E ratio | - | | |

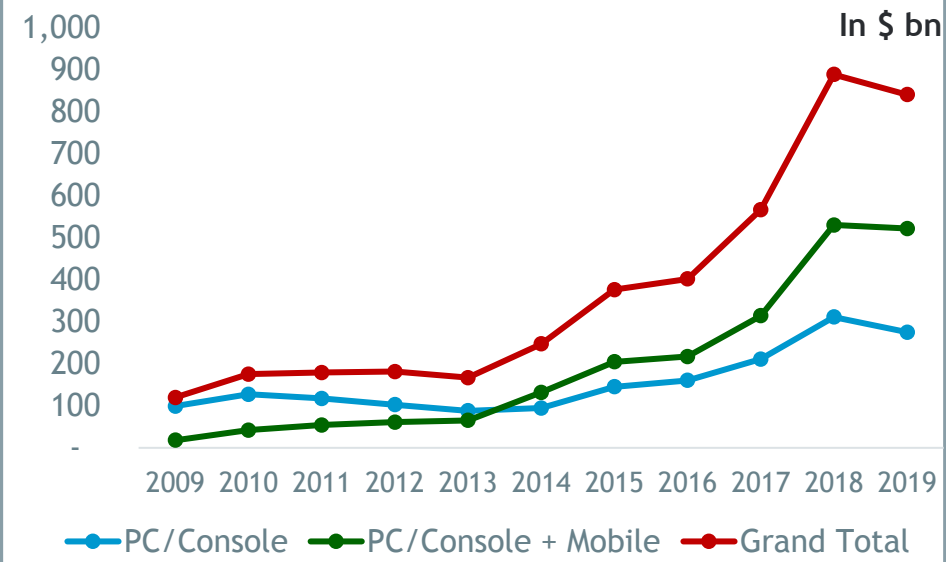
Source: Google

PUBLIC (2) - Long/Short Opportunity

~150 Publicly Listed Stock Universe
+600% in Market Cap over 10yrs

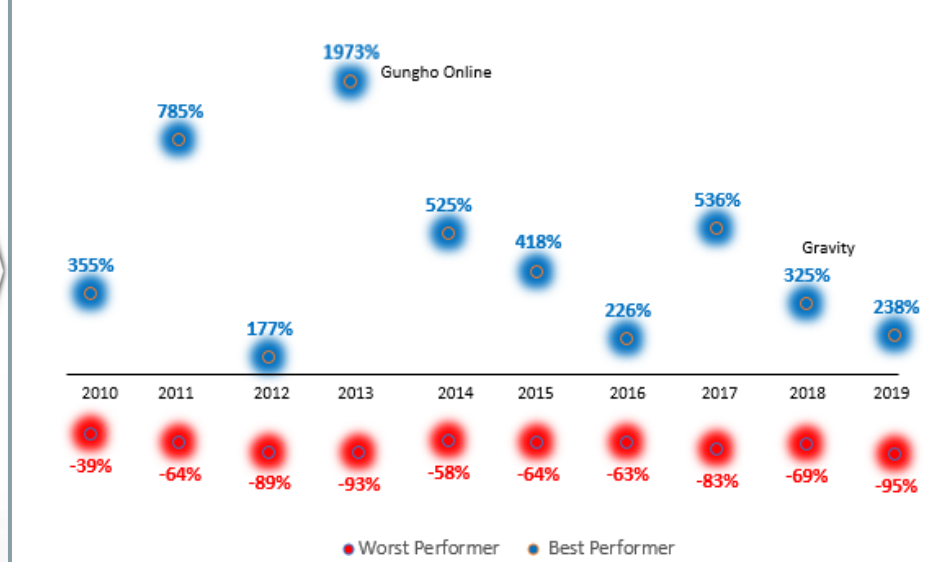
“Ripe for Discretionary Stock Picking”

Gaming Market Cap



Source: SaigaCap

Dispersion - Best vs. Worst Performer



Source: SaigaCap

PUBLIC (3) - Recession Proof Nature

COVID 19 IMPACT

Figure 8: Video games have been the fastest growth category for US consumers

| Consumer Spend | | | |
|-------------------------------------|-----------|-----------|-----------|
| Year over Year % Change | | | |
| | 15-Mar-20 | 22-Mar-20 | 29-Mar-20 |
| Restaurants | ↘ -16% | ↘ -63% | ↘ -70% |
| Fast Food Restaurants | ↘ -5% | ↘ -37% | ↘ -44% |
| Movie Theaters | ↘ -52% | ↘ -93% | ↘ -99% |
| Amusement Parks | ↘ -33% | ↘ -82% | ↘ -87% |
| Commercial Sports & Athletic Fields | ↘ -9% | ↘ -69% | ↘ -87% |
| Tourist Attractions | ↘ -27% | ↘ -70% | ↘ -84% |
| Drug Stores and Pharmacies | ↗ 22% | ↗ 15% | ↗ -17% |
| Wholesale Clubs | ↗ 54% | ↗ 13% | ↗ -18% |
| Discount Stores | ↗ 31% | ↗ 2% | ↗ -13% |
| Variety Stores | ↗ 47% | ↗ 20% | ↗ -14% |
| Grocery Stores & Supermarkets | ↗ 43% | ↗ 27% | ↗ -9% |
| Beer, Wine, and Liquor Stores | ↗ 20% | ↗ 58% | ↗ 11% |
| Video Games | ↗ 21% | ↗ 63% | ↗ 51% |
| Airlines | ↘ -41% | ↘ -79% | ↘ -88% |
| United Airlines | ↘ -43% | ↘ -79% | ↘ -88% |
| Alaska Airlines | ↘ -57% | ↘ -81% | ↘ -89% |
| Lodging | ↘ -23% | ↘ -65% | ↘ -77% |
| Holiday Inn | ↘ -31% | ↘ -58% | ↘ -82% |

Source: Facteur 2020

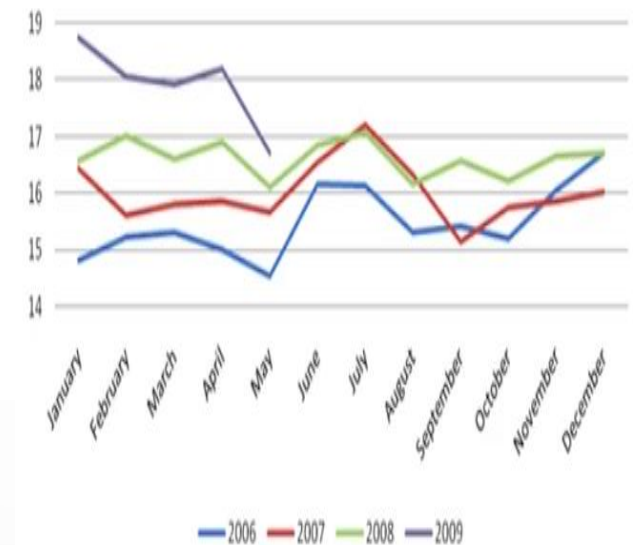
HISTORICAL EPIDEMICS

| Epidemics and Market Performance | | S&P 500 | | AAA Games Basket | |
|----------------------------------|--------------|----------|-----------|------------------|-----------|
| | | 6 months | 12 months | 6 months | 12 months |
| April 2003 | SARS | 14.6% | 20.8% | 67.7% | 65.9% |
| June 2006 | Avian Flu | 11.7% | 18.4% | 42.0% | 66.4% |
| September 2006 | Dengue Fever | 6.4% | 14.3% | 29.2% | 43.2% |
| April 2009 | H1N1 | 18.7% | 36.0% | -4.2% | -4.5% |
| November 2010 | Cholera | 13.9% | 5.6% | 26.9% | 15.1% |
| May 2013 | MERS | 10.7% | 18.0% | 2.4% | 41.4% |
| December 2014 | Measles | 0.2% | -0.7% | 16.3% | 59.6% |
| March 2014 | Ebola | 5.3% | 10.4% | 7.4% | 40.6% |
| January 2016 | Zika | 12.0% | 17.5% | 23.6% | 29.8% |
| June 2019 | Measles | 9.8% | N/A | 7.3% | N/A |
| Average | | 10.3% | 15.6% | 21.9% | 39.7% |

Note: "AAA Games Basket" is an equally-weighted basket of Activision, EA, TakeTwo, and Ubisoft
Source: Roundhill Investment

2008 CREDIT CRISIS

Video Games: Average Hours Played Per Week



Source: The Nielsen Company

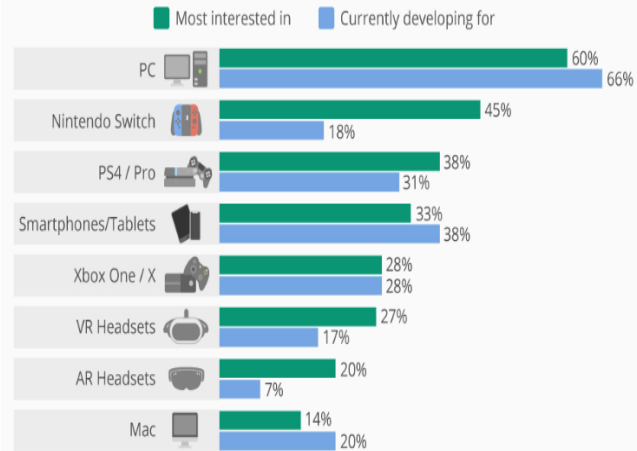
Source: Bloomberg

CHALLENGES (1) - Too Complicated

TYPES OF PLATFORM

The Most Important Gaming Platforms in 2019

% of game developers most interested in/currently developing for the following platforms



Based on a survey of ~4,000 game developers ahead of GDC 2019; multiple answers allowed
 @StatistaCharts Source: Game Developers Conference

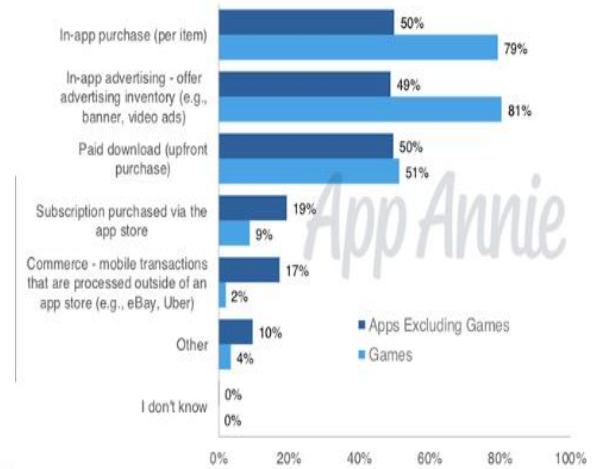
statista

DIFFERENT GENRE



MONETIZATION TYPES











Monetization Methods: Past or Current













App Annie

CHALLENGES (2) - Differ By Regions











USA

| Grossing | | |
|---|-----------------------|-----|
| 5)  Coin Master | Moon Active | = |
| 5)  Candy Crush Saga | King | = |
| 5)  Pokémon GO | Niantic | = |
| 5)  Roblox | Roblox | = |
| 5)  Gardenscapes | Playrix | = |
| 5)  Slotomania™ Slots Casino: Slot... | Playtika | = |
| 5)  Homescapes | Playrix | = |
| 5)  Bingo Blitz™ - Bingo Games | Playtika Santa Monica | = |
| 5)  RAID: Shadow Legends | Plarium | = |
| 5)  Township | Playrix | ▲ 1 |











CHINA

| Grossing | | |
|--|----------|------|
| 5)  Peace elite | Tencent | = |
| 5)  King Glory | Tencent | = |
| 5)  Three Kingdoms · ... | Aligame | = |
| 5)  Fantasy Westward ... | NetEase | = |
| 5)  Slam Dunk Genuin... | DeNA | ▲ 67 |
| 5)  Sword and Exedit... | Lilith | ▼ 1 |
| 5)  Shore of the Land | NetEase | ▼ 1 |
| 5)  Asked | Leiting | ▼ 1 |
| 5)  Princess Link Re: ... | bilibili | ▼ 1 |
| 5)  Westward Journey | NetEase | ▼ 1 |

KOREA

| Grossing | | |
|--|-----------|-----|
|  Lineage M | NCSOFT | = |
|  Lineage 2M | NCSOFT | = |
|  AFK Arena | Lilith | = |
|  A3: Steel Alive | Netmarble | ▲ 1 |
|  V4 | NEXON | ▼ 1 |
|  Rise of Kingdoms | Lilith | ▲ 2 |
|  Miracle Sword | 4399 | ▼ 1 |
|  Blade & Soul Revolution | Netmarble | ▼ 1 |
|  Lineage 2 Revolution | Netmarble | = |
|  Random Dice: PvP Defense | 111% | = |

JAPAN

| Grossing | | |
|---|--------------------|------|
| 5)  Monster strike | XFLAG | ▲ 7 |
| 5)  Dragon Quest Walk | SQUARE ENIX | ▼ 1 |
| 5)  White cat project | COLOPL | ▼ 1 |
| 5)  Pokémon GO | Niantic | ▲ 10 |
| 5)  Ensemble Stars!! ... | Happy Elements | ▲ 5 |
| 5)  Professional base... | KONAMI | = |
| 5)  Puzzle & Dragons | GungHo Online E... | ▼ 4 |
| 5)  Fate/Grand Order | Aniplex | ▼ 3 |
| 5)  Ark Knights | Yostar | ▲ 62 |
| 5)  Disney Twisted Wo... | Aniplex | ▼ 6 |

Source: Appannie

CHALLENGES (3) - Subject Matter Expert

Traditional Portfolio Managers do not understand the industry
(Millennial / Gen-Z Industry)

WORLDWIDE TOP GROSSING RANKINGS

Top Grossing Titles by Category

Worldwide, ranked by March 2020 earnings

| | PC | CONSOLE | MOBILE |
|----|------------------------------------|---------------------------------|------------------------|
| 1 | Dungeon Fighter Online | Animal Crossing: New Horizons | Honour of Kings |
| 2 | League of Legends | FIFA 20 | Gardenscapes |
| 3 | Crossfire | MLB The Show 20 | Candy Crush Saga |
| 4 | Fantasy Westward Journey Online II | Doom Eternal | Last Shelter: Survival |
| 5 | Doom Eternal | Call of Duty: Modern Warfare | Pokémon GO |
| 6 | Counter-Strike: Global Offensive | NBA 2K20 | Coin Master |
| 7 | Borderlands 3 | Grand Theft Auto V | Roblox |
| 8 | Half-Life: Alyx | Fortnite | Monster Strike |
| 9 | World of Warcraft West | Tom Clancy's Rainbow Six: Siege | Clash of Clans |
| 10 | World of Tanks | Madden NFL 20 | Mafia City |

Source: SuperData Arcade. Please visit: <http://bit.ly/sd-arcade> for more info.
© 2020 SuperData, A Nielsen Company, Inc. All rights reserved.



HISTORICAL TOP GROSSING (IP)

VIDEO GAME FRANCHISES



Source: Visual Capitalist

WHY SAIGA CAPITAL (1) ?

Outstanding Gaming Investment Track-records



Monthly Returns: pro-forma net of fees (Inception: January 23, 2019)

| SAIGA | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG* | SEP* | OCT* | NOV* | DEC* | YTD* |
|-------------------------|-------|-------|--------|-------|-------|------|-------|-------|-------|-------|------|------|---------------|
| 2019* | 0.9% | 8.3% | 10.3% | -0.3% | 9.0% | 3.8% | 3.2% | -7.4% | -0.4% | -0.5% | 2.9% | 2.3% | 35.7% |
| 2020 | 1.4% | 2.6% | -0.3% | 4.9% | 14.3% | | | | | | | | 24.4% |
| SINCE INCEPTION: | | | | | | | | | | | | | 68.7% |
| S&P 500 | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YTD |
| 2019 | 2.7% | 3.0% | 1.8% | 3.9% | -6.6% | 6.9% | 1.3% | -1.8% | 1.7% | 2.0% | 3.4% | 2.9% | 22.7% |
| 2020 | -0.2% | -8.4% | -12.5% | 12.7% | 4.5% | | | | | | | | -5.8% |
| GAMR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YTD |
| 2019 | 2.8% | -1.0% | 5.6% | 1.3% | -6.7% | 2.2% | -4.5% | -0.9% | 3.0% | -0.1% | 3.0% | 4.4% | 8.9% |
| 2020 | 0.0% | -1.6% | -3.2% | 10.3% | 11.6% | | | | | | | | 17.2% |
| MSCI AC ASIA | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YTD |
| 2019 | 2.6% | 1.3% | 0.7% | 1.6% | -6.2% | 5.0% | -2.7% | -3.4% | 2.1% | 4.3% | 0.4% | 7.7% | 13.5% |
| 2020 | -2.9% | -6.1% | -12.1% | 8.1% | 1.8% | | | | | | | | -11.8% |

¹ Our benchmarks are GAMR (ETFMG Video Game Tech ETF comprised of about 90 names), MSCI AC Asia Pacific (MSCI All Country Asia Pacific Index) and S&P 500. For equal comparison, the benchmark performances shown are from January 23, 2019.

* After audit performance review, our auditor adjusted our initial estimate of +34.6% to +35.7% for 2019 resulting in a net increase of 1.1%. We have made adjustments accordingly to the table above (please see *).

WHY SAIGA CAPITAL (2) ?



Fund Type

Opportunistic long-short equity

Sector Mandate

Global video and online gaming

Investment Method

Primary research and bottom-up stock pick

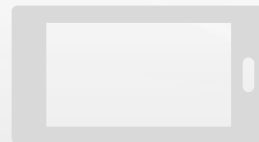
Experience



Team training via Tiger cub/grand cub shops
Combined 50+ years of first-hand gaming
Combined 20+ years of gaming investment

Investible Universe

150+ stocks spanning across Asia (mainly China, Korea, Japan and SE Asia) and North America/Europe

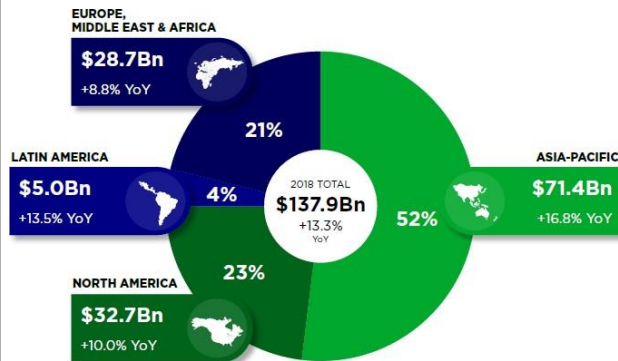


WHY SAIGA CAPITAL (3)?

We understand both **Western** and **Eastern** Markets



Asia 52% > NA/Europe 42%



Source: Newzoo

6 out of 10 are Non-US

The Companies Making The Most From Video Games
Public companies by video game revenue in 2017



Source: Statista

Family vs. Commuters



Source: The Rocky Mountain Collegian

Source: China Daily



Netflix: ~“We compete with (and lose to) Fortnite more than HBO”

12 East 49th Street, 15th floor New York, NY 10017

www.saigacap.com

Contact: Info@saigacap.com

PORTFOLIO CONSTRUCTION

SECTOR MANDATE: GLOBAL VIDEO/ONLINE GAMING

| | |
|----------------------|--|
| Gross Exposure: | Target 40 – 160% |
| Net Exposure: | No target, purely opportunity driven |
| Number of Positions: | Target 10 – 30 |
| Position Sizing: | Maximum 30% for long and 10% for short (Not applies to Index ETFs) |
| Geographic: | China, Korea, Japan, North America, ROW |
| Holding Period: | Generally average of 6-12 months |
| Liquidity limit: | Target of 3 X average daily trading volume |

These are normal market condition illustration

INVESTMENT STRATEGY

Two Pillars of Investment Strategy

| Strategy | 1) EARNINGS CATALYST | 2) COMPOUNDING GROWTH |
|-------------|---------------------------|-------------------------------|
| Duration | < 1yr | 1yr ~ 10yrs |
| Method | Long / Short | Long |
| Description | Short horizon alpha | Multi year compounder |
| Example | Earning surprise or shock | Platform / industry evolution |



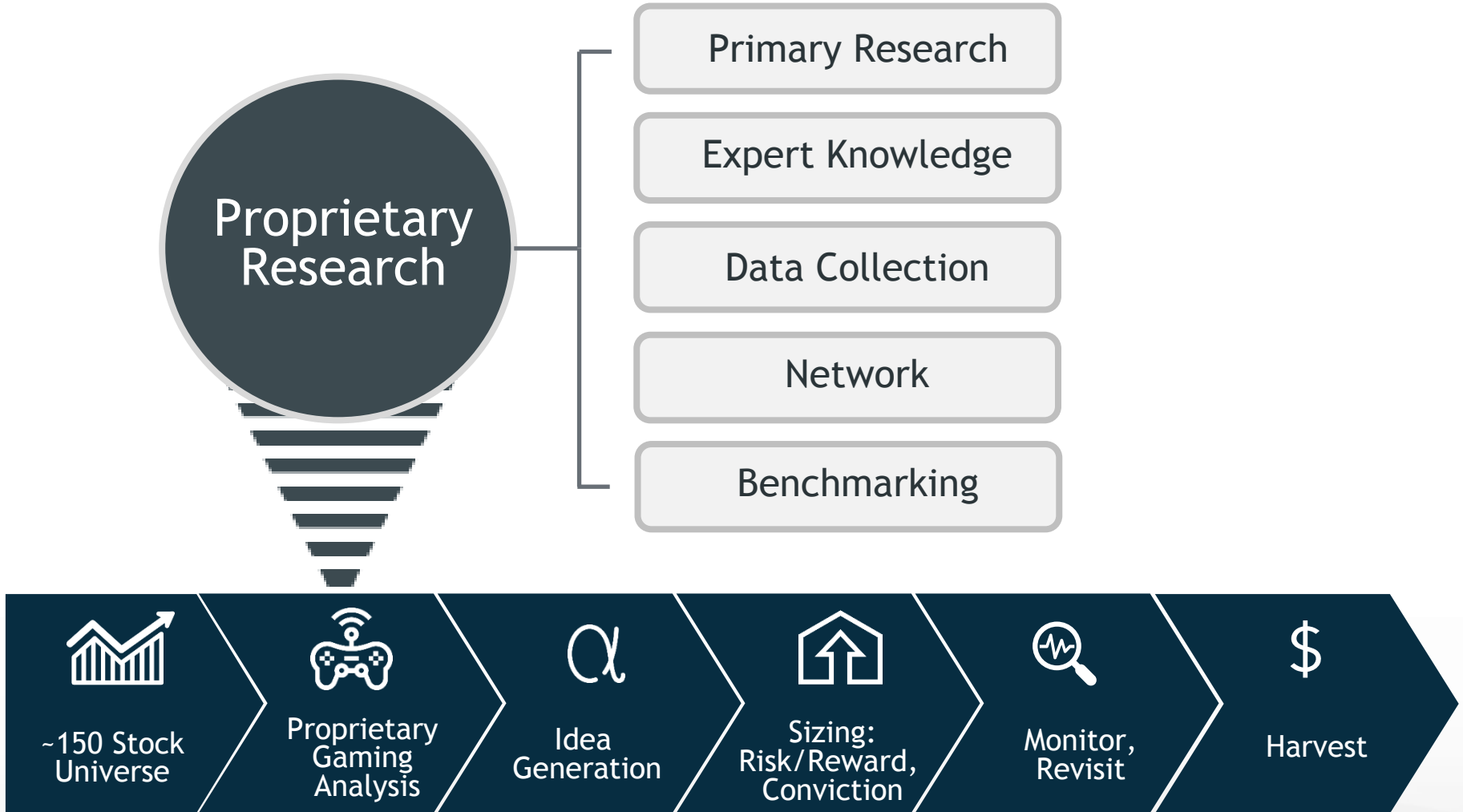
STOCK RISK

1. Investible universe discipline
2. Rigorous primary research as best tool to mitigate stock risk
3. Proper risk/reward, conviction level analysis
4. Team approach to avoid errors

PORTFOLIO RISK

1. Gross exposure limit to take measured risk
2. Maximum position size limits
3. Liquidity limit by position
4. Global exposure to mitigate country risk
5. Low correlation to markets

RESEARCH AND INVESTMENT PROCESS



INVESTMENT CASES



CASE (1) EARNINGS CATALYST : GUNGHO (TYO:3765) & GRAVITY (Nasdaq:GRVY)

Stock price
52weeks low
(Q4 2018)

Mispricing

- ✓ Sell-side's pessimism
- ✓ Lack of understanding on its Subsidiary
- ✓ Cross-country information Gap

Our Edge

- ✓ Unique Sales Prediction
- ✓ Bottom-up approach on its subsidiary (Gravity)
- ✓ Solid understanding of Global markets

Thesis

Earning Catalyst:
Its Q4 18 earnings will
be BTE vs. market
consensus

Market vs. Saiga Estimate

| Consensus | | Q4 2018 | 2019 | 2020 | Our Own | | Q4 2018 | 2019 | 2020 | DIFF | Q4 2018 | 2019 | 2020 |
|-----------|--------|---------|--------|------|---------|---------|---------|------|------|------|---------|------|------|
| REV | 19,582 | 77,733 | 72,752 | REV | 24,856 | 103,391 | 103,127 | REV | 27% | 33% | 42% | | |
| OP | 4,564 | 19,752 | 17,215 | OP | 6,138 | 26,339 | 22,866 | OP | 34% | 33% | 33% | | |
| OPM | 23% | 25% | 24% | | 25% | 25% | 22% | | | | | | |
| NP | 2,850 | 12,801 | 11,170 | NP | 3,865 | 16,145 | 13,863 | NP | 36% | 26% | 24% | | |

* Saiga Estimate was based on precise local game sales and its revenue from a consolidated subsidiary, of both which sellside overlooked

Valuation & Memo

Date: Jan 7th, 2019

Long Gunggho Online Entertainment (TYO: 3765)

I recommend a long on Gunggho with a target price of JPY313.50 and +50% upside (Target Fwd 2019 PE of 13.8x) from current price levels within one-year investment horizon. Its stock has suffered (down -73%: see exhibit 1) from continuous sale decline over the last 4 years (-16% CAGR), yet it now expects to grow its revenue again (+19% in 2019) from its two main products: Puzzle & Dragon (Mobile game - accounts for 70% of the recent total sales) & Ragnarok Mobile (Mobile game - accounts for 20% of the recent total sales).

Exhibit (1) 5yr Historical Stock Chart



Most importantly, market consensus (sell-side analysts) has not noticed its substantial growth potential and continue to provide a dismal outlook (6 sell-side rated as either "Hold" or "Sell"). As a result, a huge pricing gap (opportunity) exists whereas our own net-profit estimates are +36% higher for Q4 2018, +22% for 2019 and +17% for 2020, respectively (See Exhibit 2).

Exhibit (2) Market Consensus vs. Our Own Estimates

| Consensus | | Q4 2018 | 2019 | 2020 | Our Own | | Q4 2018 | 2019 | 2020 | DIFF | Q4 2018 | 2019 | 2020 |
|-----------|--------|---------|--------|------|---------|---------|---------|------|------|------|---------|------|------|
| REV | 19,582 | 77,733 | 72,752 | REV | 24,856 | 103,391 | 103,127 | REV | 27% | 33% | 42% | | |
| OP | 4,564 | 19,752 | 17,215 | OP | 6,138 | 26,339 | 22,866 | OP | 34% | 33% | 33% | | |
| OPM | 23% | 25% | 24% | | 25% | 25% | 22% | | | | | | |
| NP | 2,850 | 12,801 | 11,170 | NP | 3,865 | 16,145 | 13,863 | NP | 36% | 26% | 24% | | |

The substantial gap (opportunity) is stemmed from (1) Analysts' tendency to believe the past trend will repeat itself as its PSD (Puzzle & Dragon) sales had decreased for several quarters; (2) Local Analysts' lack of understanding of Ragnarok M's prospect as the game is created/run by a Korean company called Gravity listed in Nasdaq (Gunggho owns 59.3% of the Gravity and reported it in a consolidated basis). Given Gravity's sales have not been the major driver for Gunggho, analysts have not paid attention to it (it expects to grow +47% YoY in 2019 & accounts for ~40% of the total sales) in that, it gives us great opportunity to capture its perception/pricing gap. Below explains in more details:

INVESTMENT CASES



CASE STUDY (2) COMPOUNDING GROWTH : SEA Ltd (NYSE:SE)

Low Fwd P/S (Q1 2019)

Mispricing

- ✓ Cross-country information Gap
- ✓ No data on S.E.A Gaming market
- ✓ Lack of understanding of S.E.A market's potential

Our Edge

- ✓ Gaming Sales data
- ✓ Accurate prediction on its revenue
- ✓ Sound understanding of the game's life

Thesis

Its gaming and e-commerce flywheel engines will generate compounding growth over time (Tencent + Alibaba)

FreeFire Sales (1)

“ Gravity (Nasdaq: GRVY) generated ~\$Xmm a day when ranked #1 in S.E.Asia”

“ NCSoft (036570 KS) generated ~\$Xmm a day when ranked #1 in Taiwan”

FreeFire Sales (2)

“ If DAU is more than 50m, its game tend to demonstrate upward sales YoY – historical data.”

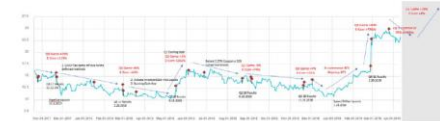
“ Consistently monitor its free-fire, Moba, Speed-drifter sales”

Valuation & Memo

Date: April 29th, 2019
Long SEA Ltd (Nasdaq: SE)

I recommend a long on SEA Ltd with a target price of USD30 and +15% Upside (Target P/S 2019 of 6x) from current levels within one-year investment horizon. Its stock had a great run (up +50%; see exhibit 1) on the earnings surprise on Q1 18 with the optimistic 2019 guidance, yet I expects to grow better than expected on Q1 19 and further from its gaming (63% of the total sales) & E-commerce business (28% of the total sales).

Exhibit (1) 2yr Historical Chart



(Its stocks have moved up Q1 18 – due to BTE e-commerce growth (+362% QoQ) and up Q4 18 – due to BTE game and e-commerce growth (60% and +78% QoQ), its Q1 19 expects to have +25% Game and +8% E-commerce, which results should drive the stock up.

Most importantly, market consensus has not noticed its substantial growth in Gaming business as Free-Fire hit #1 in 7 different regions (Thailand, Indonesia, Brazil, Mexico...), which results in its OPm expansion as Free-Fire has the highest OPm (~59%). Please note below are my conservative estimates.

Exhibit (2) Estimates vs Market Consensus

| Market | Q1 19 | 2019 | US | Q1 19 | 2019 | DIFF | Q1 19 | 2019 |
|--------|-------|-------|-----|-------|-------|------|-------|------|
| REV | 435 | 2,075 | REV | 455 | 2,115 | REV | 5% | 2% |
| OP | (266) | (887) | OP | (195) | (749) | OP | -27% | -16% |
| OPM | -161% | -143% | OPM | -43% | -35% | OPM | -43% | -35% |
| NP | (265) | (873) | NP | (219) | (839) | NP | -17% | -4% |

APPENDIX (2): GRAVITY MODEL

| | B | C | D | Y | Z | AA | AB | AC | AD |
|----|---|--|----------------------|-------------|-------------|-------------|--------------|--------------|-------------|
| 1 | | Gravity (GRVY in NASDAQ) | | | | | | | |
| 2 | | <i>(US\$ in millions, KRW in billions and all other units are in millions, except per share)</i> | | | | | | | |
| 3 | | Latest Actual Q | | | | | | | |
| 11 | | CASH | | 29.6 | 44.4 | 42.3 | 95.5 | 127.3 | 111.1 |
| 12 | | | | Q1 18A | Q2 18A | Q3 18A | Q4 18A | Q1 19A | Q2 19E |
| 14 | | Revenue | | 66.3 | 63.0 | 44.2 | 113.2 | 133.6 | 78.2 |
| 15 | | 1. Mobile Game | | 51.4 | 51.8 | 33.4 | 102.9 | 121.1 | 66.4 |
| 16 | | I) Ragnarok R (Developer: Dream Square) | Dream Square | 5.8 | 4.6 | 3.7 | 4.2 | 3.3 | 3.0 |
| 33 | | II) RO: Idle Poring (Developed by Dream Square) | Dream Square | 1.1 | 0.9 | 0.7 | 1.4 | 1.3 | 1.1 |
| 44 | | III) Ragnarok M | Dream Square | 40.7 | 50.1 | 28.6 | 90.5 | 116.5 | 62.3 |
| 45 | | A. China (Jan. 18, 2017) | | 1.2 | 1.1 | 0.9 | 1.0 | 1.0 | 0.9 |
| 46 | | Gross Rev | 10% | 11.8 | 10.6 | 8.5 | 10.1 | 9.6 | 8.6 |
| 47 | | Avg. daily revenue | | 0.13 | 0.12 | 0.09 | 0.11 | 0.11 | 0.09 |
| 48 | | Seq Chg % | | -10% | -10% | -20% | -5% | -5% | -10% |
| 49 | | B. Taiwan / Hongkong / Macau (10/12 2017) | | 31.0 | 21.4 | 18.7 | 9.1 | 5.2 | 3.3 |
| 50 | | Avg. daily revenue | | 0.34 | 0.23 | 0.20 | 0.10 | 0.06 | 0.04 |
| 51 | | Seq Chg % | | -33% | -31% | -13% | -51% | -43% | -37% |
| 52 | | C. Korea (3/14/2018) | | 8.5 | 27.6 | 9.1 | 7.2 | 4.6 | 2.8 |
| 53 | | Avg. daily revenue | Direct publishing | 0.47 | 0.30 | 0.10 | 0.08 | 0.05 | 0.03 |
| 54 | | Seq Chg % | | | -36% | -67% | -21% | -36% | -38% |
| 55 | | D. Japan | 6.5.2019 | | | | | | - |
| 56 | | Gross Rev | 30% | | | | | | - |
| 57 | | Avg. daily revenue | | | | | | | - |
| 58 | | Seq (%) | | | | | | | - |
| 59 | | E. S.E. Asia (Oct/2018) | 10.31.2019 | | | | 73.2 | 80.6 | 40.1 |
| 60 | | Avg. daily revenue | | | | | 1.20 | 0.82 | 0.44 |
| 61 | | Seq (%) | | | | | | -33.0% | -46.3% |
| 62 | | F. ROW (Jan. 9, 2019) + EU | | | | | | 25.1 | 15.3 |
| 63 | | Avg. daily revenue | | | | | | 0.31 | 0.17 |
| 64 | | Seq (%) | | | | | | | -45.2% |
| 65 | | IV) Ragnarok 3M by Tencent | Hulan Enterta | | | | | | |
| 66 | | A. China (Q2 2019) | | | | | | | |
| 67 | | Gross Rev | 10% | | | | | | |
| 68 | | Avg. daily revenue | | | | | | | |
| 69 | | Seq Chg % | | | | | | | |
| 70 | | B. Taiwan / Hongkong / Macau (Q4 2020) | | | | | | | |
| 71 | | Avg. daily revenue | | | | | | | |
| 72 | | Seq Chg % | | | | | | | |
| 73 | | C. Korea (Q3 2020) | | | | | | | |
| 74 | | Avg. daily revenue | Direct publishing | | | | | | |
| 75 | | Seq Chg % | | | | | | | |
| 76 | | D. Japan | | | | | | | |
| 77 | | Gross Rev | 30% | | | | | | |
| 78 | | Avg. daily revenue | | | | | | | |
| 79 | | Seq (%) | | | | | | | |
| 80 | | E. S.E. Asia (Oct/2018) | | | | | | | |
| 81 | | Avg. daily revenue | | | | | | | |
| 82 | | Seq (%) | | | | | | | |

TEAM BIOS



Brian Oh

*Managing Partner,
Portfolio Manager*

Brian Oh is the founder and portfolio manager of Saiga Capital. Previously, he was the investment director at the hedge/VC fund Skycatcher LLC, where he took a fundamentalist approach to high-tech consumer opportunities in emerging markets. Between 2016 and 2018, Brian was an investment analyst at Saola Capital, equity long-short hedge fund founded by former Tiger Cub, focusing in Korean equities. Before 2016, he was Vice President at Bank of America Merrill Lynch in New York and London, where he worked as a portfolio risk manager. Brian is a seasoned Wall Street veteran with active involvement in the Korea Finance Society. Brian graduated Magna Cum Laude and obtained his B.S. in Business Administration with a Finance Concentration from Boston University.

John Jahng

Senior Advisor (Investment)

John Jahng was a managing director at Tiger Asia Management, and was there from 2003 and 2011. Post Tiger Asia, he co-founded Extolia Management in 2011 and was a co-portfolio manager until 2012. After Extolia, he served as an advisor for Teng Yue Partners until early 2016 and founded Eastfront Management afterwards. Before joining Tiger Asia, he was with Ernst & Young for six years. He received B.A in Economics in 1996 and M.B.A. from New York University in 2013.

Kevin Liu

Investment Analyst (Investment)

Kevin Liu was the investment analyst at Saola Capital looking at China TMT industry, especially video/online gaming companies. Before Saola, he has worked as investment analyst intern at Huber Capital Management, a LA based long only mutual fund and sales & trading analyst intern at China Galaxy Securities. Kevin received B.S. with double major in Applied Mathematics and Business at California Institute of Technology and graduated with honor.

Dae Kim

Tech Advisor (Operation)

Paul Kim is a seasoned veteran in trading. He was a quantitative analyst at Merrill Lynch. Paul holds BS in Computer Science and is expecting his MS degree in Financial Mathematics from Courant Institute of Mathematical Sciences.

FUND TERMS & SERVICE PROVIDERS

“

100% of Founder's liquid asset is invested in the Fund

”

| Type | Terms |
|----------------------|--------------------------------|
| AUM Capacity | \$200mm |
| Management Fee | 0.6% (Founder), 1.5% (General) |
| Performance | 20% |
| Redemptions / Notice | Quarterly / 30 days |
| High Water Mark | Yes |
| Minimum Subscription | \$100k |

| Type | Providers |
|---------------|----------------------|
| Auditor | Spicer Jeffries |
| Admin | NAV Consulting |
| Prime Broker | Interactive Brokers |
| Legal Counsel | Investment Law Group |

PRIVATE (1) - Esports Teams Cont.

Astralis Group A/S (12.9.2019)

Astralis Group A/S (ASTGRP.CO)

Copenhagen - Copenhagen Real Time Price. Currency in DKK

[Add to watchlist](#)

5.22 -0.14 (-2.61%)

At close: May 15 4:59PM CEST

[Summary](#) [Chart](#) [Conversations](#) [Statistics](#) [Historical Data](#) [Profile](#) [Financials](#) [Analysis](#) [Options](#) [Holders](#) [Sustainability](#)

| | | | |
|----------------|-------------|--------------------------|-----------|
| Previous Close | 5.36 | Market Cap | 296.286M |
| Open | 5.40 | Beta (5Y Monthly) | N/A |
| Bid | 5.20 x N/A | PE Ratio (TTM) | N/A |
| Ask | 5.22 x N/A | EPS (TTM) | -0.55 |
| Day's Range | 5.20 - 5.40 | Earnings Date | N/A |
| 52 Week Range | 3.60 - 9.50 | Forward Dividend & Yield | N/A (N/A) |
| Volume | 27,454 | Ex-Dividend Date | N/A |
| Avg. Volume | 87,892 | 1y Target Est | N/A |

Fair Value **XX.XX**
 Related Research **N/A**
[View more](#)

[View details](#)



Chart Events
 Neutral pattern detected
[View all chart patterns](#)

Performance Outlook

| | | |
|-----------------------|---------------------|------------------|
| Short Term 2W - 6W | Mid Term 6W - 9M | Long Term 9M+ |
|-----------------------|---------------------|------------------|

Enthusiast Gaming Holdings (10.19.2017)

Enthusiast Gaming Holdings Inc. (EGLX.TO)

Toronto - Toronto Delayed Price. Currency in CAD

[Add to watchlist](#)

1.2800 -0.0300 (-2.29%)

At close: May 15 3:59PM EDT

[Summary](#) [Chart](#) [Conversations](#) [Statistics](#) [Historical Data](#) [Profile](#) [Financials](#) [Analysis](#) [Options](#) [Holders](#) [Sustainability](#)

| | | | |
|----------------|-----------------|--------------------------|--------------|
| Previous Close | 1.3100 | Market Cap | 92.277M |
| Open | 1.3500 | Beta (5Y Monthly) | N/A |
| Bid | 1.2700 x N/A | PE Ratio (TTM) | N/A |
| Ask | 1.3500 x N/A | EPS (TTM) | -2.0740 |
| Day's Range | 1.2800 - 1.3700 | Earnings Date | May 14, 2020 |
| 52 Week Range | 1.1500 - 2.1800 | Forward Dividend & Yield | N/A (N/A) |
| Volume | 131,764 | Ex-Dividend Date | N/A |
| Avg. Volume | 184,736 | 1y Target Est | 3.06 |

Fair Value **XX.XX**
 Related Research **N/A**
[View more](#)

[View details](#)



Chart Events
 Neutral pattern detected
[View all chart patterns](#)

Performance Outlook

| | | |
|-----------------------|---------------------|------------------|
| Short Term 2W - 6W | Mid Term 6W - 9M | Long Term 9M+ |
|-----------------------|---------------------|------------------|

FUTURE TRENDS

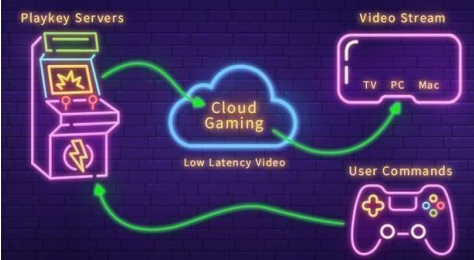
SMARTPHONE



CROSS PLATFORM



5G Cloud Streaming



VR/AR

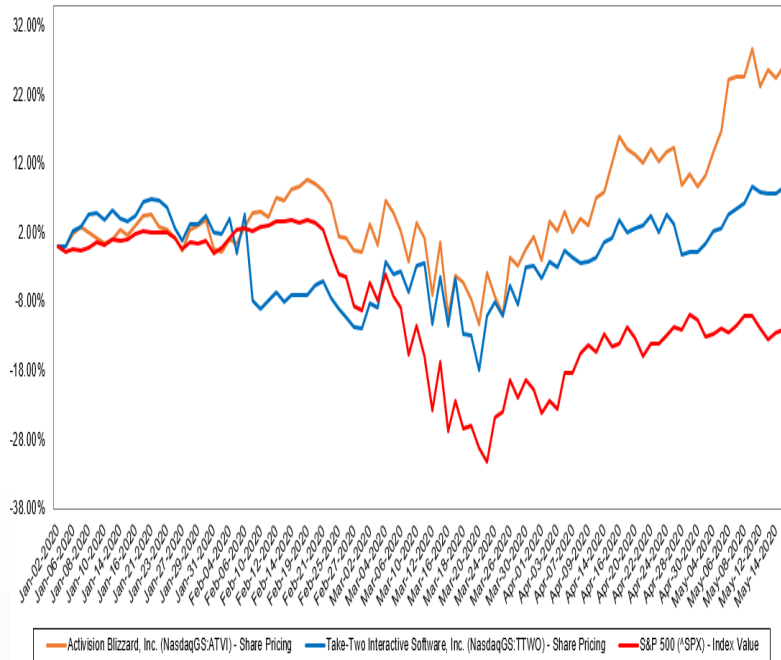


INVESTORS



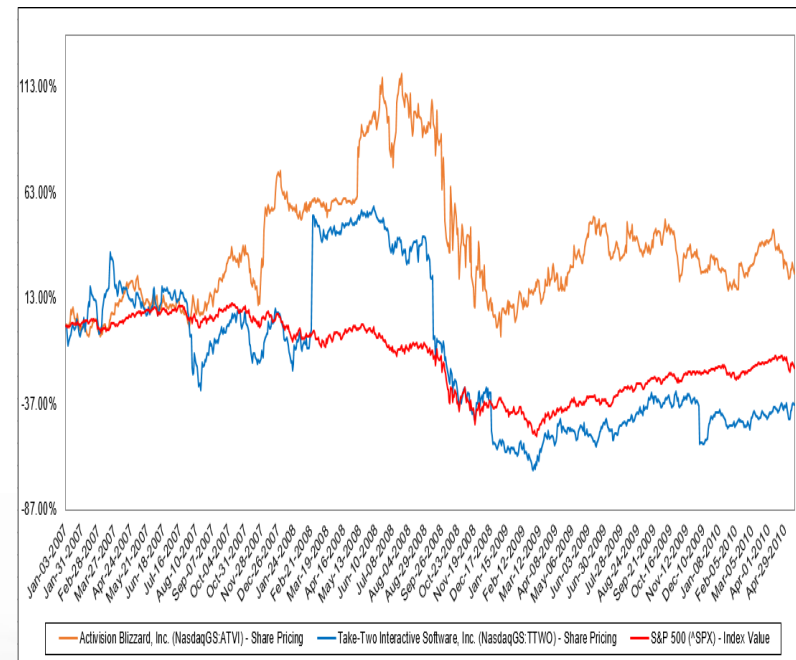
PUBLIC (4) - Recession Proof Nature Cont.

2020 COVID 19



Source: CapitalQ

2008 CREDIT CRISIS (2008)



Source: CapitalQ

PUBLIC (3) - No Other Funds (No Competition)

Name the
Funds who
invest in
this space?



Consistent Pure
Alpha
Opportunity

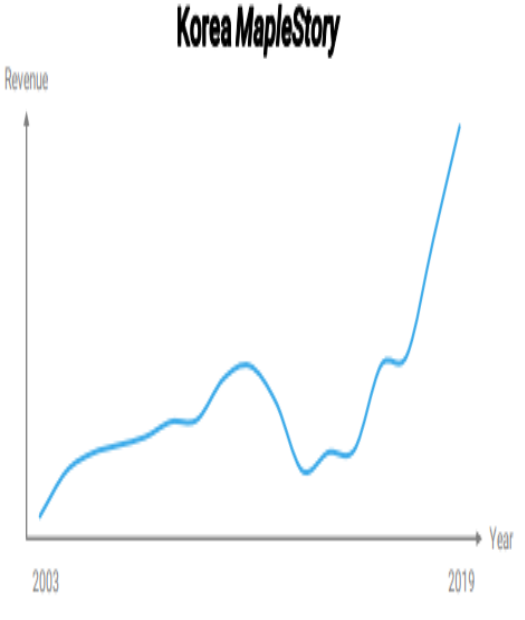
PUBLIC (1) - Proven Track Records - Multiple IPs Cont.

LIST OF THE GAMES

| Title | Sales | Platform(s) | Initial release date | Developer(s) ^[a] |
|---|-------------|-------------------|----------------------------------|----------------------------------|
| Minecraft | 176,000,000 | Multi-platform | November 18, 2011 ^[a] | Mojang |
| Grand Theft Auto V | 120,000,000 | Multi-platform | September 17, 2013 | Rockstar North |
| Tetris (EA Mobile) | 100,000,000 | Mobile | September 12, 2006 | EA Mobile |
| Wii Sports | 82,880,000 | Wii | November 19, 2006 | Nintendo EAD |
| PlayerUnknown's Battlegrounds | 60,000,000 | Multi-platform | December 20, 2017 | PUBG Corporation |
| Super Mario Bros. | 48,240,000 | Multi-platform | September 13, 1985 | Nintendo |
| Pokémon Red / Green / Blue / Yellow | 47,520,000 | Game Boy / 3DS VC | February 27, 1996 | Game Freak |

Source: Wikipedia

HISTORICAL SALES

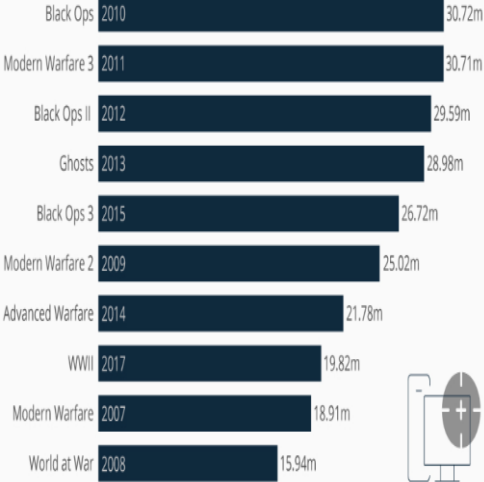


Source: Nexon IR

CoD Series

The Best-Selling Call Of Duty Titles

All-time unit sales of titles in the Call of Duty franchise as of October 2019*



* Across PC and all major consoles
 @StatistaCharts Source: VGChartz



statista

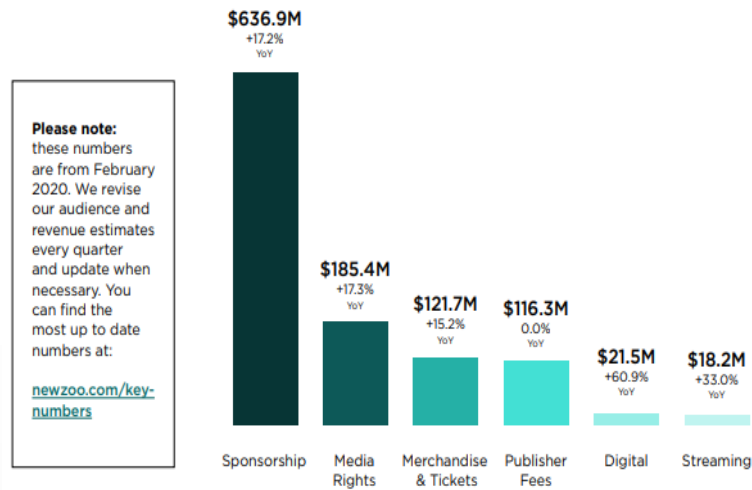
Source: Statista

PRIVATE (1) - Esports Teams Cont.

1. Esports Business Model

Esports Revenue Streams

Global | 2020



Source: NewZoo

2. List of the Games watched

| Game | Main Device Competed on | Hours Watched |
|----------------------------------|-------------------------|----------------|
| League of Legends | PC | 348.8M |
| Counter-Strike: Global Offensive | PC | 215.0M |
| Dota 2 | PC | 198.9M |
| Overwatch | PC | 109.9M |
| Hearthstone | PC | 37.0M |
| Tom Clancy's Rainbow Six: Siege | PC | 32.4M |
| Arena of Valor | Mobile | 31.6M |
| PUBG Mobile | Mobile | 27.9M |
| Fortnite | PC | 27.5M |
| PLAYERUNKNOWN'S BATTLEGROUNDS | PC | 26.8M |
| Starcraft II | PC | 22.8M |
| Rocket League | PC | 20.4M |
| Super Smash Bros. Ultimate | Console | 18.6M |
| Garena Free Fire | Mobile | 17.8M |
| Call of Duty: Black Ops 4 | Console | 13.3M |
| Magic: The Gathering | PC | 12.9M |
| World of Warcraft | PC | 10.3M |
| FIFA 19 | Console | 7.7M |
| Street Fighter V | Console | 7.0M |
| Super Smash Bros. Melee | Console | 5.2M |
| Mobile Legends: Bang Bang | Mobile | 4.0M |
| Tekken 7 | Console | 3.8M |
| Clash Royale | Mobile | 3.8M |
| Teamfight Tactics | PC | 3.4M |
| FIFA 20 | Console | 3.0M |
| Total Top 25 | | 1209.6M |

Source: NewZoo