
STOXX Thematic Indices

August 2021



Qontigo is a financial intelligence innovator, Optimizing Impact™ from risk to return with our client partners.

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Introduction

Qontigo's STOXX is an Innovator and Leader in the Thematics space



Expertise

- > Dedicated thematic product developers researching new themes, allowing us to identify the recent trends ahead of the competition



Long Term

- > Solutions that are intended to span business cycles
- > Focus on megatrends rather than short termism



Partnerships

- > Work closely with clients from idea generation to launch
- > Draw from both external and internal expertise (Sustainable Think Tank)



Customization

- > Our expertise allows us to easily tweak a concept, the starting universe, and apply additional considerations e.g. ESG filters



Open Architecture

- > Partner with trusted, recognized and reliable data providers

Thematic Solutions that Provide Exposure to Key Megatrends

Megatrends – powerful, transformative forces that could change the global economy, business and society



Broad Range of Themes Accessible

Qontigo Thematics

Socio - demographics

Ageing
Population

Breakthrough
Healthcare

Broad
Infrastructure

Health and
Weight Loss

Housing &
Construction

Millennials

Pet Care

Sharing
Economy

Silver
economy

Smart City

Video Gaming
& eSports

Sustainability

Electric
Vehicles

Smart City
Infrastructure

Future Technology

Artificial
Intelligence

Automation &
Robotics

Blockchain

B.R.A.I.N

Digital
Security

Digitalization

Fintech

Industry 4.0

Next
Generation
Telecom

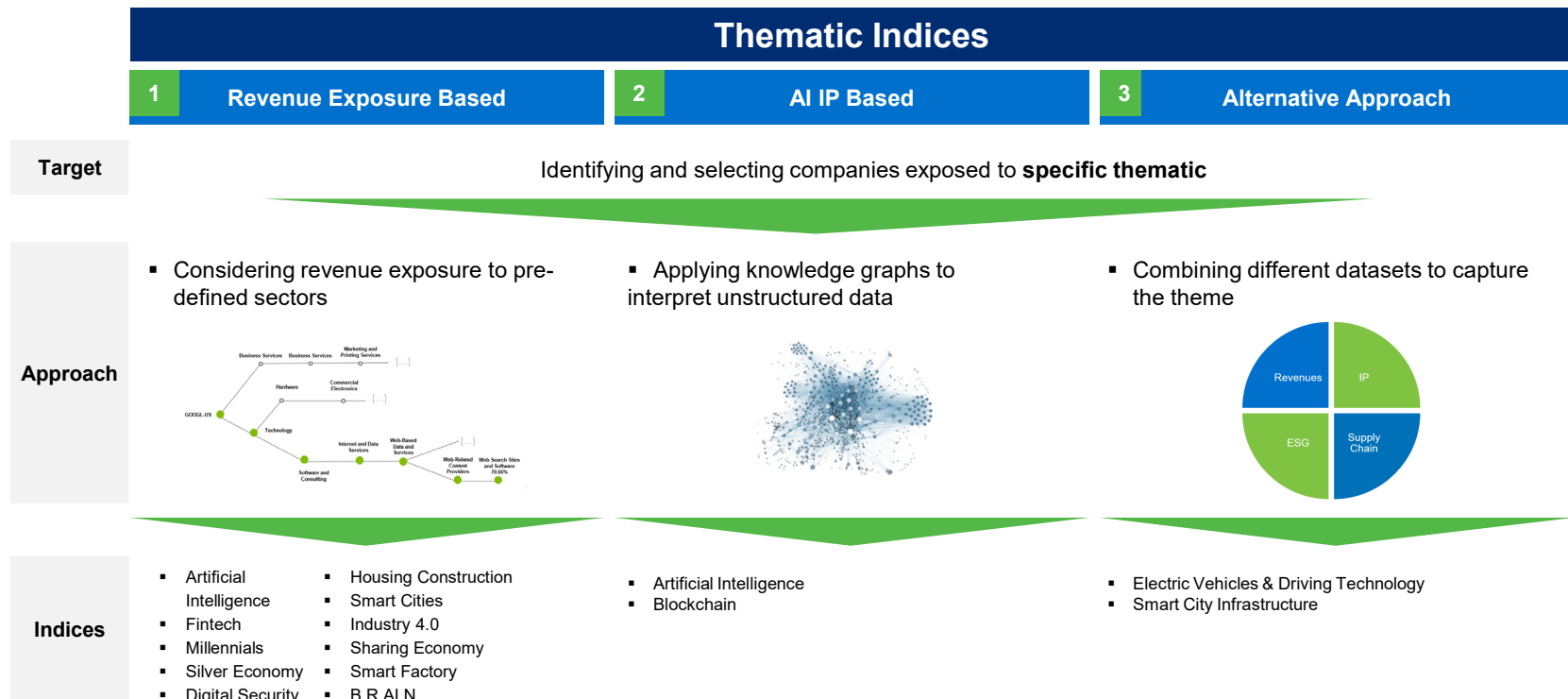
Smart Factory

Illustrative purposes, not exhaustive

Approximately **EUR 10bn¹** in ETF AUM linked to STOXX thematic indices

1) Source: Qontigo, June 2021

Techniques to Capture Exposure to Selected Thematics



Revenue Exposure Based Thematic Indices

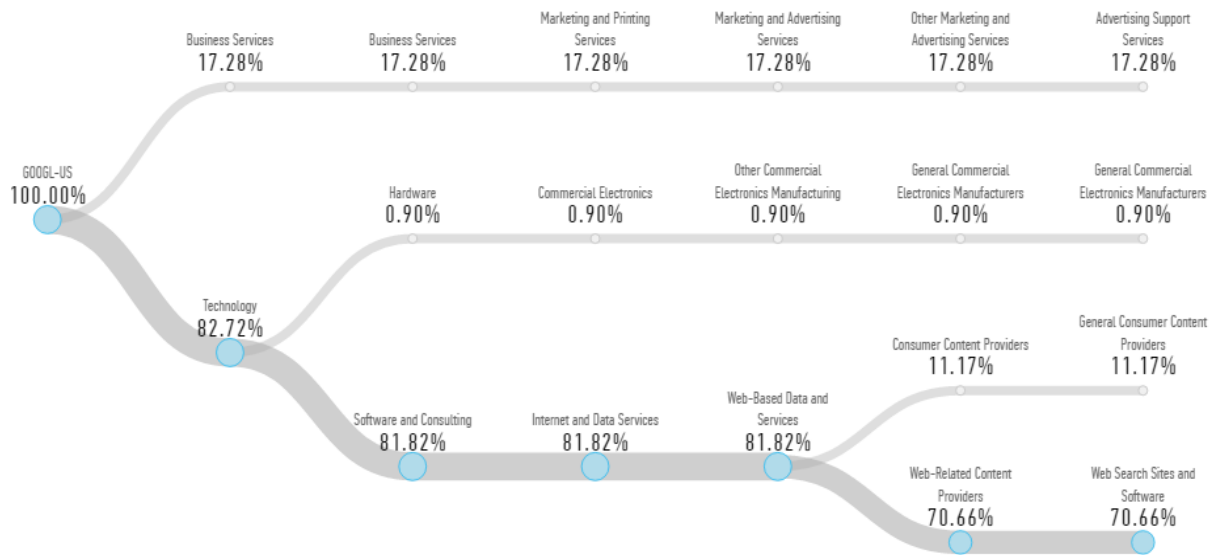
Construction

Revenue Exposure Based Thematic Indices

Step 1: Finding the right data-source - Factset RBICS

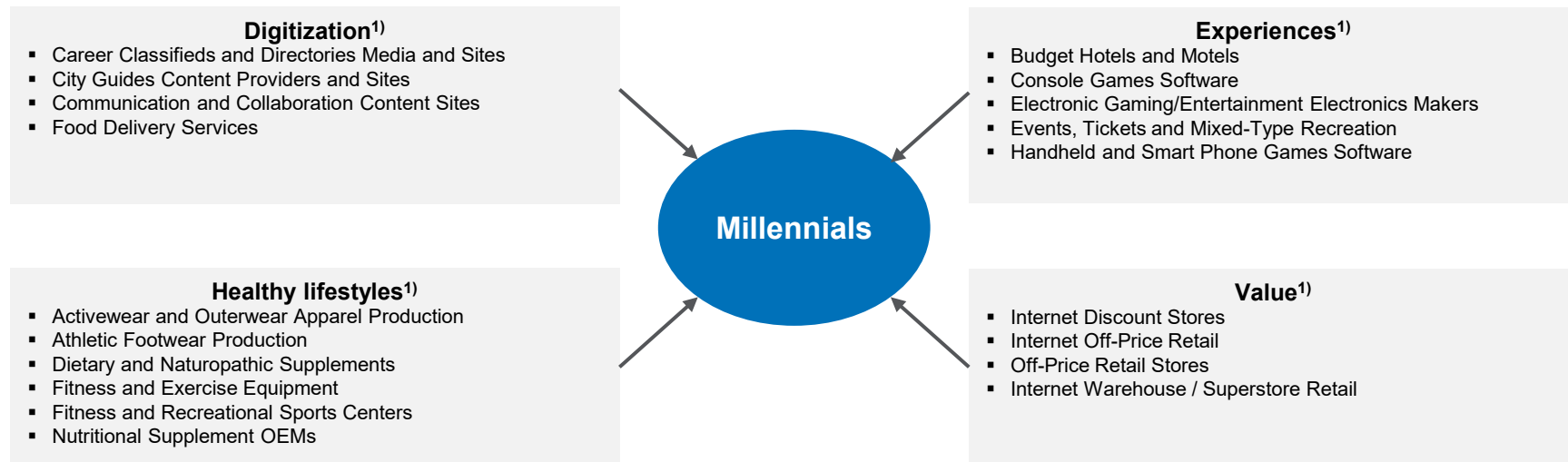
Example: Revenue Exposure by Sector/ Industry breakdown for Google

Revenue Exposure by Sector / Industry



Revenue Exposure Based Thematic Indices

Step 2: Identifying the relevant sectors (e.g. Millennials)



1. List of Level 6 RBICS Sectors is an indicative sample, and not meant to be exhaustive

Revenue Exposure Based Thematic Indices

Step 3: Constructing the Index



- The index universe is the STOXX Developed and Emerging Markets TMI
- Only those companies with 3-month MDTV above EUR 1,000,000 are considered
- Companies that Sustainalytics considers as non-compliant with the United Nations Global Compact Principles or companies that Sustainalytics identifies to be involved with controversial weapons, are excluded¹
- Companies are included in the index if they generate more than 50% of their revenues from the identified industries, related to each theme.
- The selected index components are weighted based on free float market capitalization, adjusted for revenue exposure from the identified industries. Dual listed companies and/or multiple share classes are represented by the most liquid stock.
- Securities are capped according to 35/8/4.5 rule

1. For applicability to each index, please refer to the detailed STOXX Index Methodology Guide

Artificial Intelligence IP Based Thematic Indices

Construction

Artificial Intelligence IP Based Thematic Indices

Step 1: Finding the right partner

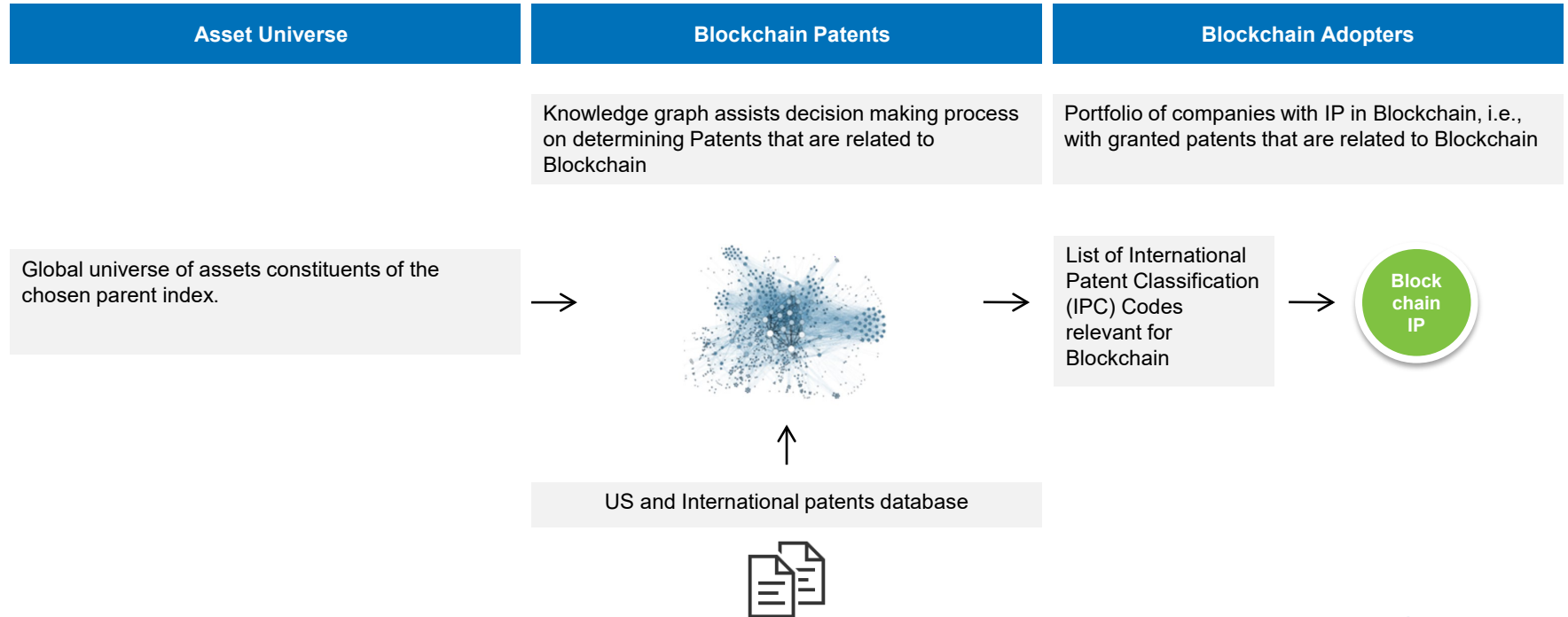
Yewno

Yewno

- Yewno builds knowledge discovery software and services, leveraging machine learning, computational linguistics, and a vast reservoir of information from the most respected content providers in the world
- Their technology began as academic research in applied mathematics. The goal was to best understand political, economic, financial, and social data
- Yewno currently has numerous partnerships across the finance sector, top research universities, publishers and content aggregators worldwide

Artificial Intelligence IP Based Thematic Indices

Step 3: Putting knowledge graphs to use



Artificial Intelligence IP Based Thematic Indices

Step 4: Defining Blockchain IP exposure and Blockchain IP contribution

Blockchain IP Exposure

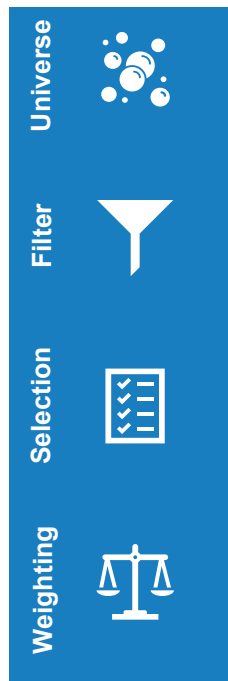
- This measure indicates the **percentage of total Blockchain patents** granted to a company vs. the total number of patents granted to that company over the same period.
- Indicates the significance of **Blockchain** intellectual property to the company's business activities.

Blockchain IP Contribution

- This measure indicates the percentage of total **Blockchain** patents granted to a company vs. the total number of **Blockchain** patents granted globally over the same period.
- Indicates the significance of each company in the **Blockchain** space.

Artificial Intelligence-based Methodology

Step 5: Constructing the Index



- Define emerging technology theme (e.g. AI), and starting index universe (e.g. STOXX Global Total Market Index)
- Utilize Yewno's knowledge graph to pinpoint companies that hold patents associated with respective theme
 - For each company in the starting universe the following factors are calculated: 1) pure-play (exposure) factor; 2) contribution factor
- Companies are included in the index if they own significant theme-related IP, indicated by having an:
 - IP Exposure as well as an
 - IP Contributionwhich falls into the top X% in both dimensions¹⁾
- Equally weighted, or IP factor weighted
- Reviewed quarterly

1. Top 75% in the case of the "Artificial Intelligence" index. Ranking process may differ per theme/index

Alternative Approaches

Construction

Alternative Approaches

Challenges in Applying one-for-all Approach

1) Theme-specific

Electric & Autonomous Vehicles:

- revenues are a small fraction of car manufacturers
- not all car manufacturers produce electric and autonomous vehicle solutions

Blockchain:

- hard to capture a meaningful number of companies generating revenues from Blockchain

Renewable Energy:

- companies generating revenues from renewable energy sources or having relevant IP, are also heavily involved in activities linked to the depletion of natural resources

2) Data limitations

Revenues:

Despite its granularity and diligence compared to other systems, for certain themes even RBICS' 6 Levels are not enough

- There are 26 different sector of Semiconductor Manufacturing products, however:
 - "General Analog and Mixed Signal Semiconductors" have a broad range of applications
- Challenge in separating companies generating revenues from this sector, with applications in autonomous vehicle systems, from irrelevant ones

IP:

Clinical trials are not included, posing challenges in themes like Biotech

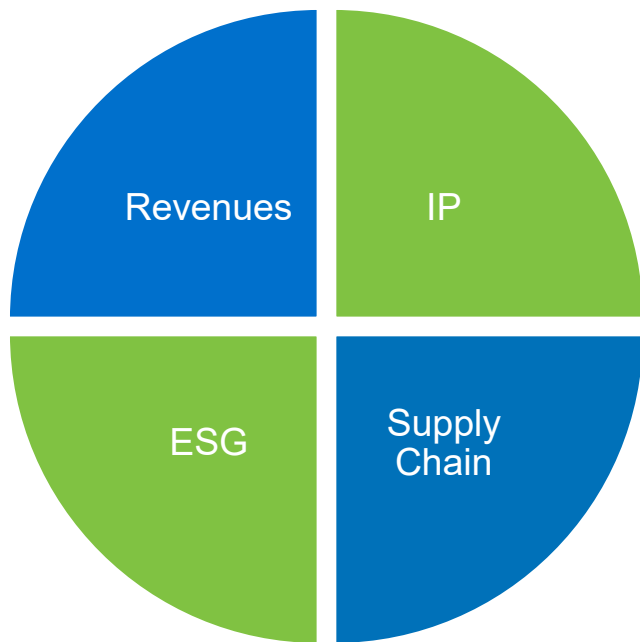
3) Theme Evolution

Every theme is constantly evolving at different rates

Challenges in putting together a concrete theme definition that will apply over time

Alternative Approaches

Working Around the Challenges



- **Switching from one dataset to another**
 - Revenues-based approach is meaningless in the case of Blockchain
 - IP-based dataset leveraged
- **Combining datasets**
 - Revenues as stand-alone solution doesn't work in the case of electric vehicles
 - Combination of Revenues with Supply Chain relationship dataset filters out irrelevant names
 - Similar case with Renewable Energy
 - Combination of Revenues and/or IP with ESG dataset filters out controversies

Alternative Approaches

STOXX Global Electric Vehicles & Driving Technology Index: Combining Revenues with Supply Chain Relationships



- Based on the STOXX Global TMI
- Pre-selection process with **Revenues**:
 - a) **“Potential Electric Vehicle (EV) Manufacturers”**: companies from the initial universe that have >50% revenue exposure to sectors related to vehicle manufacturing
 - b) **“Potential EV Battery Suppliers”**: >50% revenue exposure to battery manufacturing
 - c) **“Potential Other suppliers”**: >50% revenue exposure to sectors related to parts of vehicles
- **Supply chain relationship** data is used to identify the relationships between the 3 groups and select:
 1. **Pure EV manufacturers**: “potential” EV manufacturers with 1+ battery suppliers among the “potential” battery suppliers
 2. **Pure EV battery suppliers**: vice versa, “potential” battery suppliers that have 1+ “potential” EV manufacturers as customers
 3. **Pure EV other suppliers**: “potential” other suppliers that have 1+ Pure EV manufacturers as customer
- The companies in the 3 buckets are bundled together and country, size and liquidity filters are applied
- Equal-weighted
- Reviewed annually

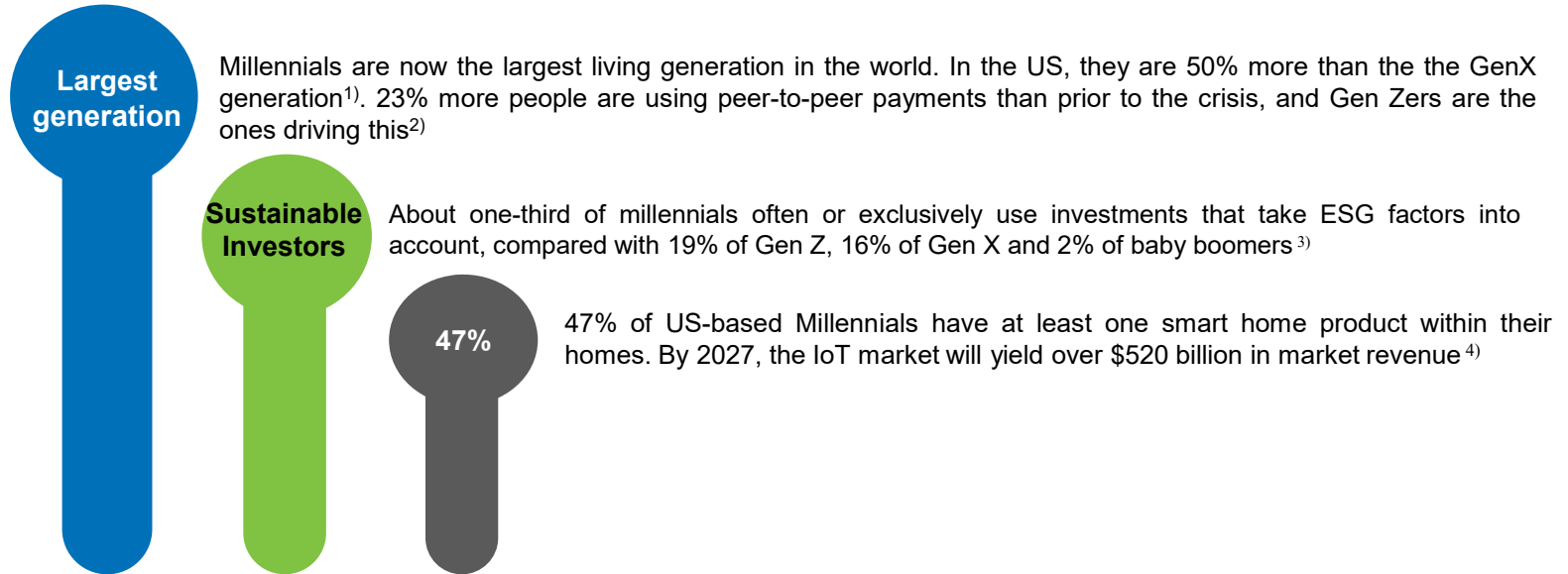
Appendix

Socio-demographics

STOXX Global Millennials Index

Overview

Millennials



1) <https://www.goldmansachs.com/insights/archive/millennials/>

2) <https://www.forbes.com/sites/forbesbusinesscouncil/2021/01/21/gen-z-and-the-future-of-spend-what-we-know-about-this-generation-the-pandemic-and-how-they-pay/?sh=4cb19cb521eb>

3) <https://www.cnbc.com/2021/05/21/millennials-spurred-growth-in-esg-investing-now-all-ages-are-on-board.html>

4) <https://policyadvice.net/insurance/insights/smart-home-statistics/>

Themes

Millennials



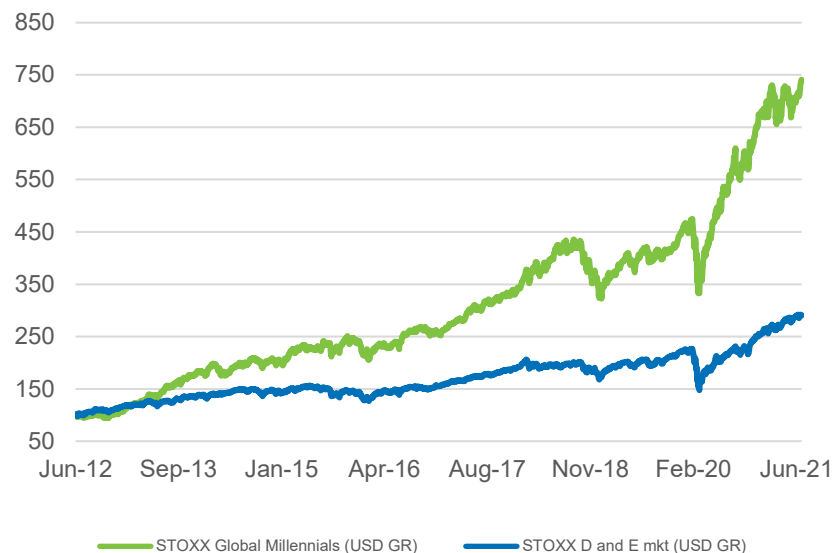
STOXX Global Millennials Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Millennials | STOXX Developed and Emerging Markets Total Market |
|------------------------------|--------------------------|---|
| Perf. overall (annualized) | 25.16% | 12.73% |
| Perf. (1Y) | 48.66% | 42.46% |
| Perf. (3Y) (annualized) | 21.49% | 15.04% |
| Perf. (5Y) (annualized) | 25.84% | 15.08% |
| Vol. overall (annualized) | 17.94% | 13.69% |
| Volatility (1Y) (annualized) | 19.31% | 12.45% |
| Volatility (3Y) (annualized) | 22.49% | 18.47% |
| Volatility (5Y) (annualized) | 18.87% | 15.16% |
| Sharpe ratio (overall) | 1.30 | 0.89 |
| Sharpe ratio (5Y) | 1.25 | 0.93 |
| Tracking error (overall) | 10.62% | |
| Tracking error (5Y) | 9.91% | |
| Dividend yield (overall) | 3.71% | 5.09% |
| Maximum drawdown | 29.95% | 34.84% |
| Constituents | 212 | 9821 |

Performance

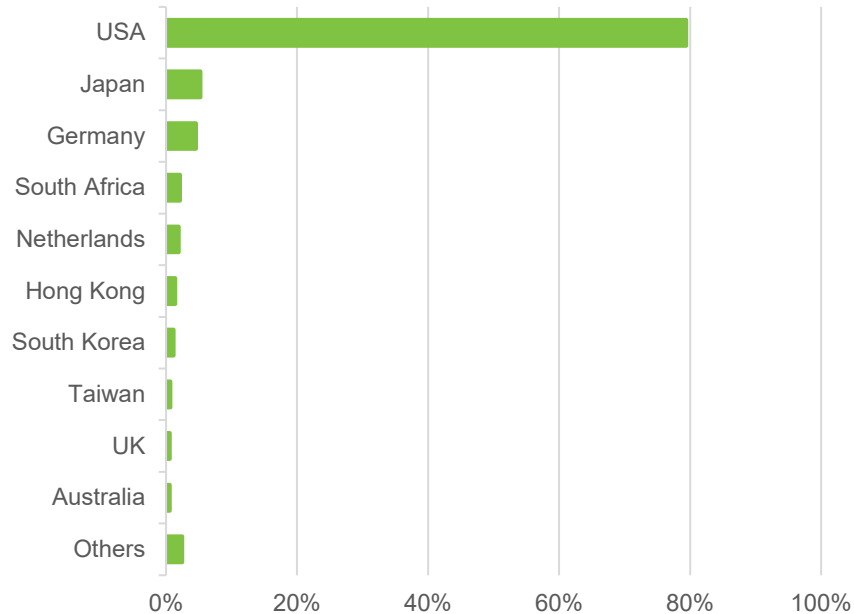


- 1) Source: Qontigo, daily data. Relative figures calculated against Benchmark
- 2) LIBOR used as a proxy for riskless returns
- 3) Qontigo Data Jun 18, 2012 – Jun 30, 2021

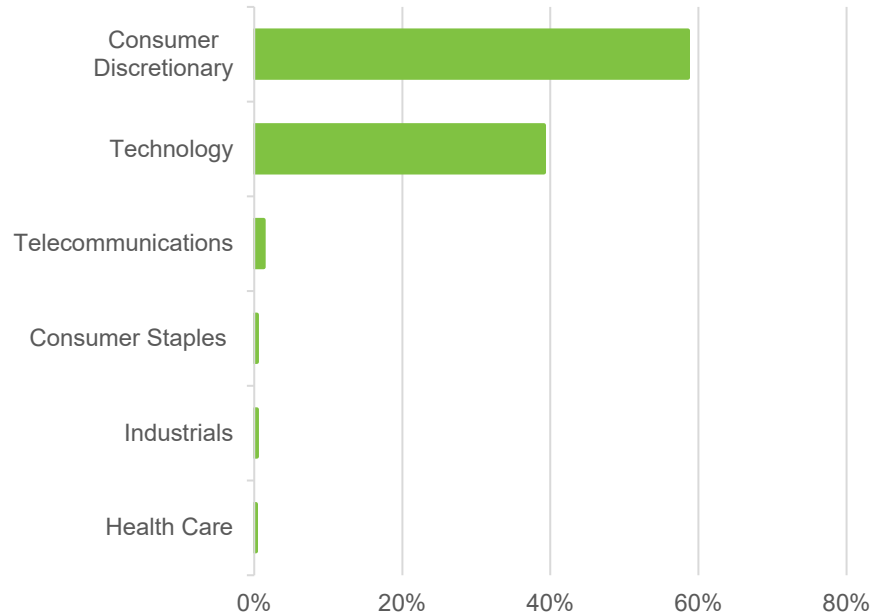
STOXX Global Millennials Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Millennials Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|--------------------------|--------------------------------|---------|------------|
| Apple Inc. | Technology | USA | 8.34 |
| FACEBOOK CLASS A | Technology | USA | 8.03 |
| Amazon.com Inc. | Retail | USA | 7.89 |
| ALPHABET CLASS C | Technology | USA | 7.63 |
| Netflix Inc. | Media | USA | 4.68 |
| Nike Inc. Cl B | Consumer Products and Services | USA | 4.43 |
| BOOKING HOLDINGS | Travel and Leisure | USA | 3.07 |
| TJX Cos. | Retail | USA | 2.78 |
| SNAP 'A' | Technology | USA | 2.74 |
| Activision Blizzard Inc. | Consumer Products and Services | USA | 2.53 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Silver Economy Index

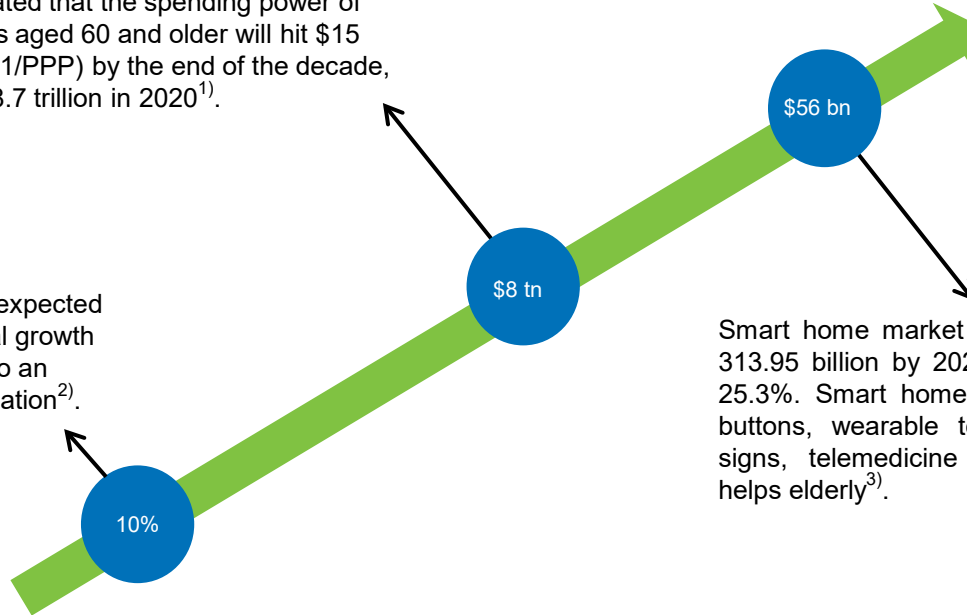
Overview

Silver Economy

It is estimated that the spending power of consumers aged 60 and older will hit \$15 trillion(2011/PPP) by the end of the decade, up from \$8.7 trillion in 2020¹⁾.

Organic food market is expected to witness 14.5% annual growth till 2025, largely owing to an increasing ageing population²⁾.

Smart home market is expected to reach USD 313.95 billion by 2026 and register a CAGR of 25.3%. Smart homes include the use of panic buttons, wearable technology to monitor vital signs, telemedicine systems and robots that helps elderly³⁾.



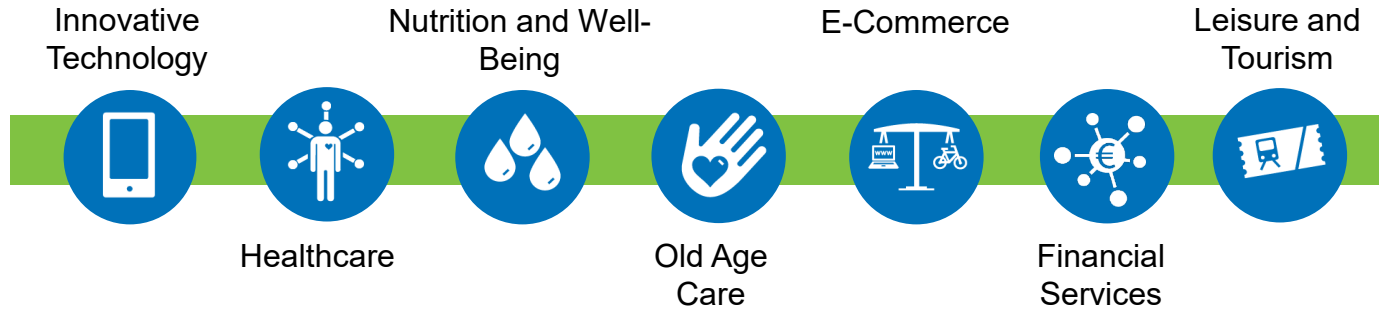
1) <https://www.brookings.edu/blog/future-development/2021/01/14/the-silver-economy-is-coming-of-age-a-look-at-the-growing-spending-power-of-seniors/>

2) <https://www.thebusinessresearchcompany.com/report/organic-food-global-market-report>

3) <https://www.mordorintelligence.com/industry-reports/global-smart-homes-market-industry>

Themes (1)

Silver Economy



Themes (2)

Silver Economy



Innovative Technology

Innovative technology covers a range of ideas, from next generation hearing aids to door sensors that help monitor the rehabilitation of ageing population



Nutrition and Well-Being

Much of the focus in the healthy ageing market is on foods that preserve health and wellbeing as long as possible, but when age-related health problems do occur, products that help improve nutrition are vital.



E-Commerce

The aging population is bound to have a certain impact on the development of e-commerce. Baby Boomers reportedly spend more time online than millennials. 10% more than millennials.



Leisure and Tourism

The oldest consumer group spends the most particularly when it comes to international holidays, the gym and theme parks etc. They travel for recreation as well as wellness.



Healthcare

Owing to tech innovations, the health care needs of ageing populations are continuing to diversify. This trend is reflected in increasing life expectancies.



Old Age Care

This segment includes acute care, assisted living, death care and funeral services.



Financial Services

A significant number of older consumers appear to have very limited provisions for retirement such as savings, pension funds, or disposable income. This pushes the need for Pension Funds and Wealth Management services providers.

STOXX Global Silver Economy Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Silver Economy | STOXX Developed and Emerging Markets Total Market |
|------------------------------|-----------------------------|---|
| Perf. overall (annualized) | 14.65% | 12.73% |
| Perf. (1Y) | 34.66% | 42.46% |
| Perf. (3Y) (annualized) | 14.50% | 15.04% |
| Perf. (5Y) (annualized) | 14.32% | 15.08% |
| Vol. overall (annualized) | 16.05% | 13.69% |
| Volatility (1Y) (annualized) | 16.26% | 12.45% |
| Volatility (3Y) (annualized) | 21.16% | 18.47% |
| Volatility (5Y) (annualized) | 17.56% | 15.16% |
| Sharpe ratio (Overall) | 0.89 | 0.89 |
| Sharpe ratio (5Y) | 0.79 | 0.93 |
| Tracking error (Overall) | 6.66% | |
| Tracking error (5Y) | 6.46% | |
| Dividend yield (Overall) | 4.76% | 5.09% |
| Maximum drawdown | 31.86% | 34.84% |
| Constituents | 446 | 9821 |

Performance



1) Source: Qontigo, daily data. Relative figures calculated against Benchmark

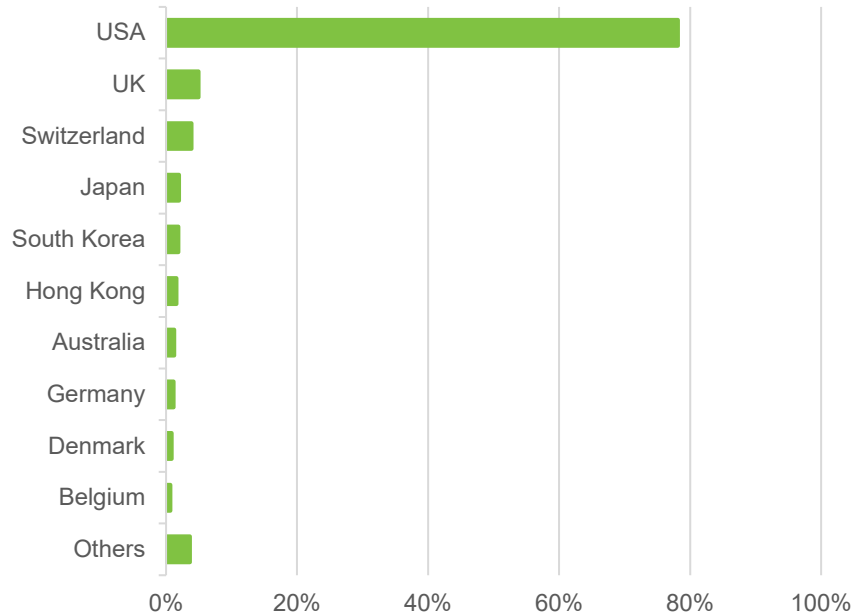
2) LIBOR used as a proxy for riskless returns

3) Qontigo Data Jun 18, 2012 – Jun 30, 2021

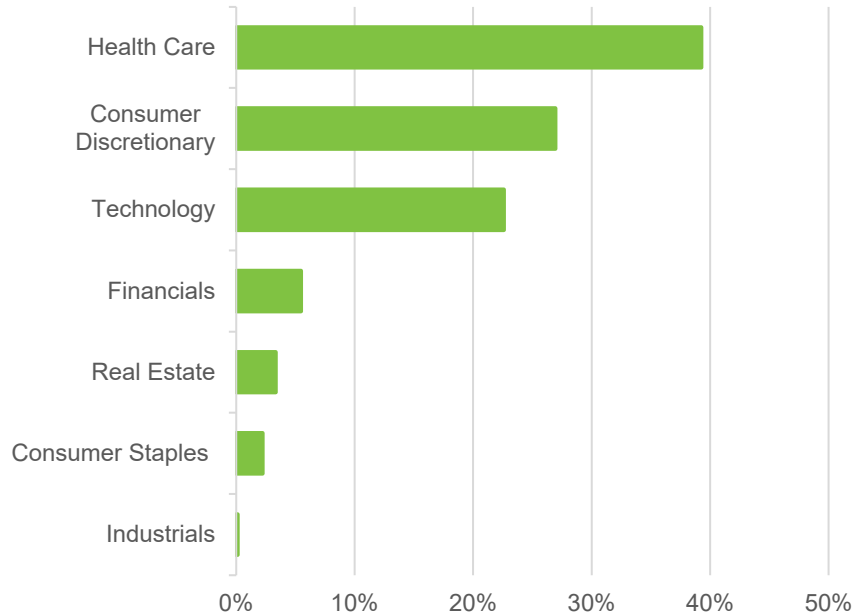
STOXX Global Silver Economy Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



¹⁾ Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Silver Economy Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|----------------------------|--------------------|---------|------------|
| Amazon.com Inc. | Retail | USA | 8.19 |
| Intel Corp. | Technology | USA | 5.35 |
| Qualcomm Inc. | Technology | USA | 4.35 |
| Texas Instruments Inc. | Technology | USA | 3.61 |
| Bristol-Myers Squibb Co. | Health Care | USA | 2.96 |
| ASTRAZENECA | Health Care | UK | 2.53 |
| BOOKING HOLDINGS | Travel and Leisure | USA | 2.43 |
| Micron Technology Inc. | Technology | USA | 2.12 |
| Edwards Lifesciences Corp. | Health Care | USA | 1.74 |
| HCA HEALTHCARE | Health Care | USA | 1.50 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Ageing Population

STOXX Global Ageing Population Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Ageing Population | STOXX Developed and Emerging Markets Total Market |
|------------------------------|--------------------------------|---|
| Perf. overall (annualized) | 11.09% | 10.43% |
| Perf. (1Y) | 42.13% | 42.46% |
| Perf. (3Y) (annualized) | 10.64% | 15.04% |
| Perf. (5Y) (annualized) | 11.41% | 15.08% |
| Vol. overall (annualized) | 15.45% | 14.55% |
| Volatility (1Y) (annualized) | 13.89% | 12.45% |
| Volatility (3Y) (annualized) | 19.86% | 18.47% |
| Volatility (5Y) (annualized) | 16.22% | 15.16% |
| Sharpe ratio (Overall) | 0.72 | 0.71 |
| Sharpe ratio (5Y) | 0.68 | 0.93 |
| Tracking error (Overall) | 4.65% | |
| Tracking error (5Y) | 5.17% | |
| Dividend yield (Overall) | 4.24% | 4.64% |
| Maximum drawdown | 39.09% | 34.84% |
| Constituents | 355 | 9821 |

Performance

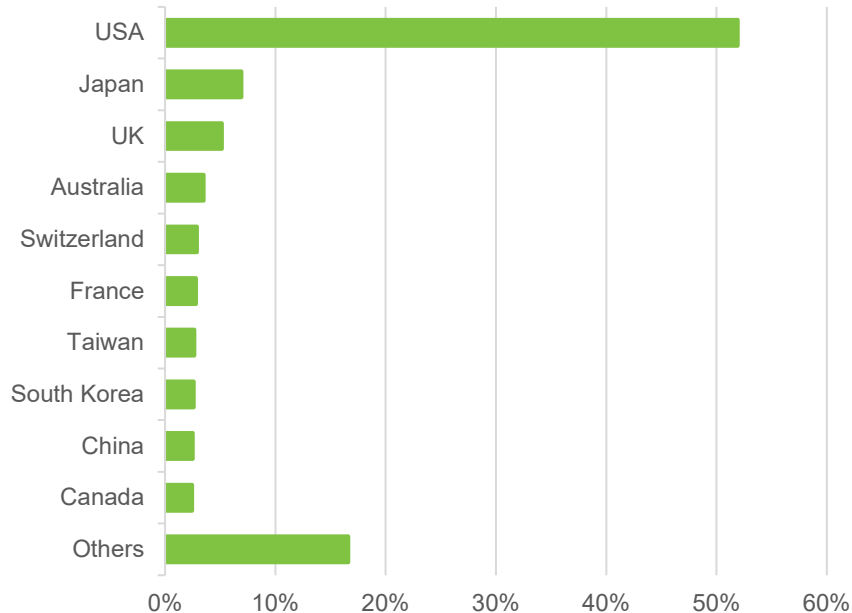


- 1) Source: Qontigo, daily data. Relative figures calculated against Benchmark
- 2) LIBOR used as a proxy for riskless returns
- 3) Qontigo Data Jun 30, 2011 – Jun 30, 2021

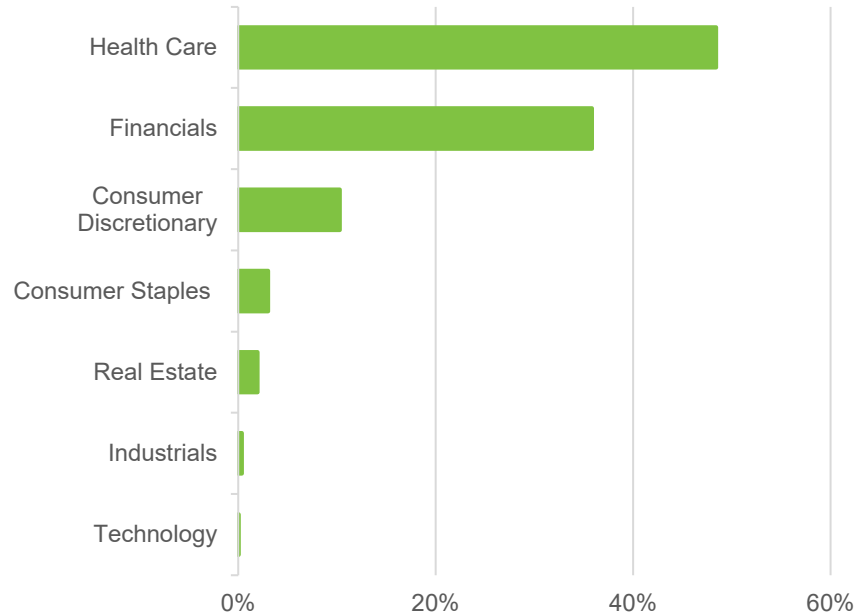
STOXX Global Ageing Population Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



¹⁾ Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Ageing Population Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|-------------------------------|--------------------------------|---------|------------|
| CRISPR THERAPEUTICS | Health Care | USA | 0.52 |
| EDITAS MEDICINE | Health Care | USA | 0.50 |
| PEPTIDREAM | Health Care | Japan | 0.43 |
| HALOZYME THERAPEUTICS | Health Care | USA | 0.43 |
| GLAUKOS | Health Care | USA | 0.43 |
| ATHENE HOLDING 'A' | Financial Services | USA | 0.43 |
| TELADOC | Health Care | USA | 0.43 |
| TURNING POINT THERAPEUTICS | Health Care | USA | 0.43 |
| POLARIS | Consumer Products and Services | USA | 0.42 |
| GLOBUS MEDICAL CL.A | Health Care | USA | 0.42 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Breakthrough Healthcare

STOXX Global Breakthrough Healthcare Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Breakthrough Healthcare | STOXX Global 1800 |
|------------------------------|--------------------------------------|-------------------|
| Perf. overall (annualized) | 15.77% | 11.36% |
| Perf. (1Y) | 39.55% | 39.59% |
| Perf. (3Y) (annualized) | 18.02% | 15.73% |
| Perf. (5Y) (annualized) | 18.11% | 15.60% |
| Vol. overall (annualized) | 17.01% | 14.97% |
| Volatility (1Y) (annualized) | 19.00% | 12.76% |
| Volatility (3Y) (annualized) | 22.42% | 18.98% |
| Volatility (5Y) (annualized) | 18.95% | 15.58% |
| Sharpe ratio (Overall) | 0.91 | 0.75 |
| Sharpe ratio (5Y) | 0.91 | 0.94 |
| Tracking error (Overall) | 9.86% | |
| Tracking error (5Y) | 11.20% | |
| Dividend yield (Overall) | 2.19% | 5.06% |
| Maximum drawdown | 31.62% | 33.77% |
| Constituents | 198 | 1800 |

Performance

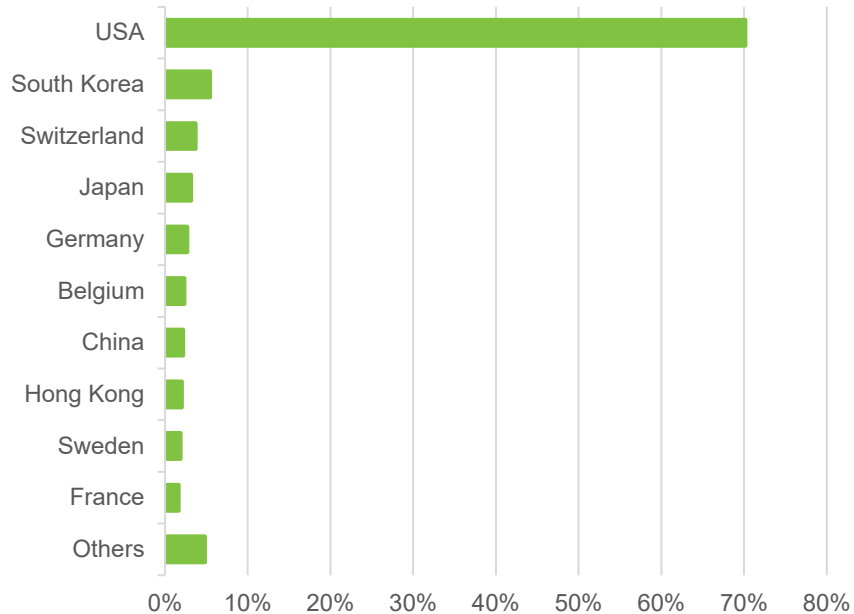


- 1) Source: Qontigo, daily data. Relative figures calculated against Benchmark
- 2) LIBOR used as a proxy for riskless returns
- 3) Qontigo Data Jun 30, 2011 – Jun 30, 2021

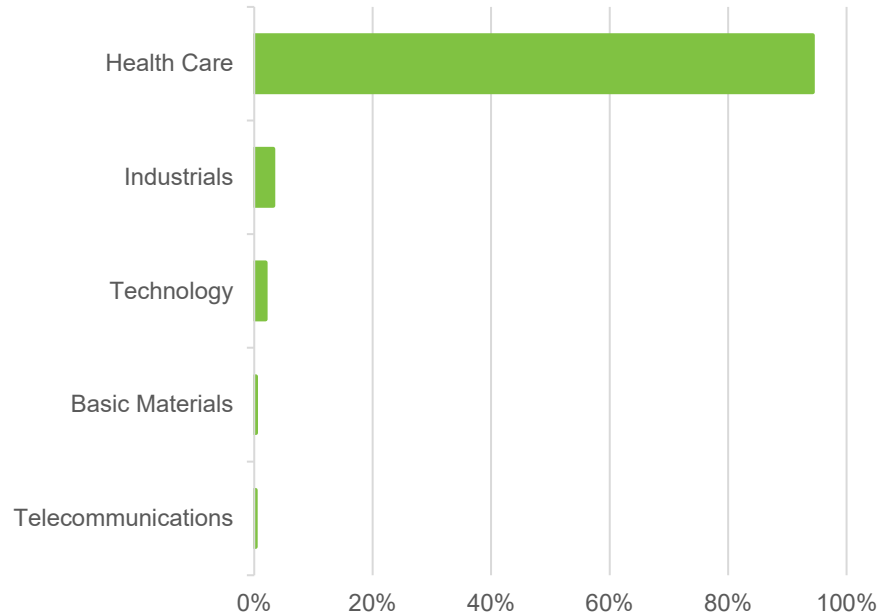
STOXX Global Breakthrough Healthcare Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



¹⁾ Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Breakthrough Healthcare Index – Top 10 Constituents

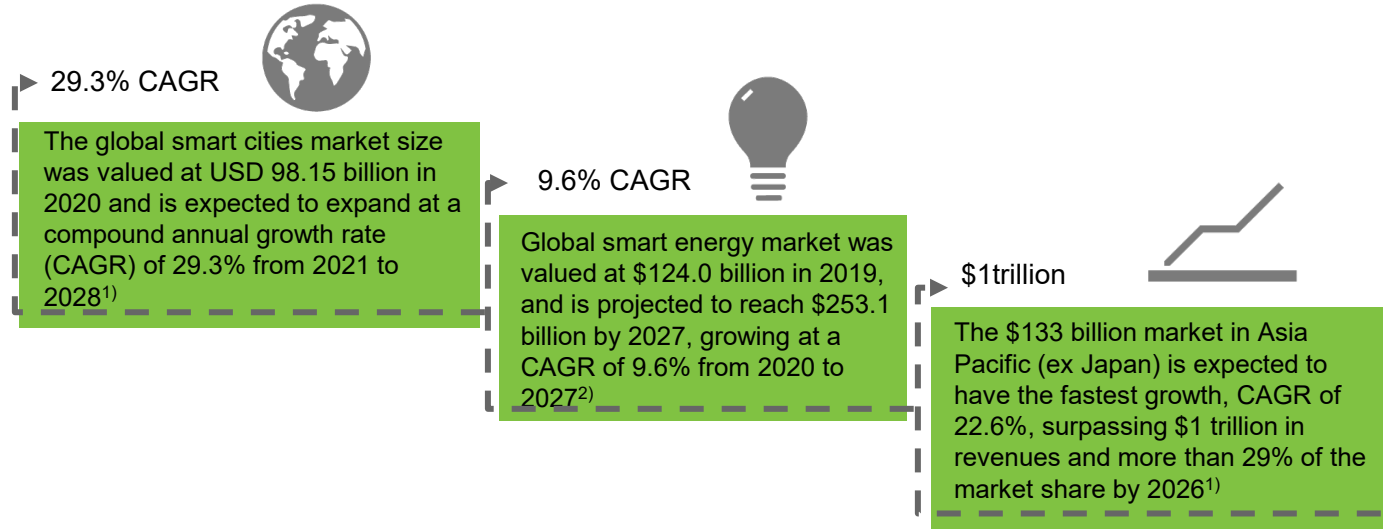
| Name | Supersector | Country | Weight (%) |
|-------------------------------|-------------|---------|------------|
| CRISPR THERAPEUTICS | Health Care | USA | 1.11 |
| TWIST BIOSCIENCE | Health Care | USA | 1.01 |
| PACIFIC BSCS.OF CAL. | Health Care | USA | 1.00 |
| Sysmex Corp. | Health Care | Japan | 0.98 |
| QUIDEL | Health Care | USA | 0.94 |
| PEPTIDREAM | Health Care | Japan | 0.93 |
| HALOZYME THERAPEUTICS | Health Care | USA | 0.92 |
| Thermo Fisher Scientific Inc. | Health Care | USA | 0.92 |
| NATERA | Health Care | USA | 0.91 |
| Hologic Inc. | Health Care | USA | 0.91 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Smart Cities

Overview

Smart Cities

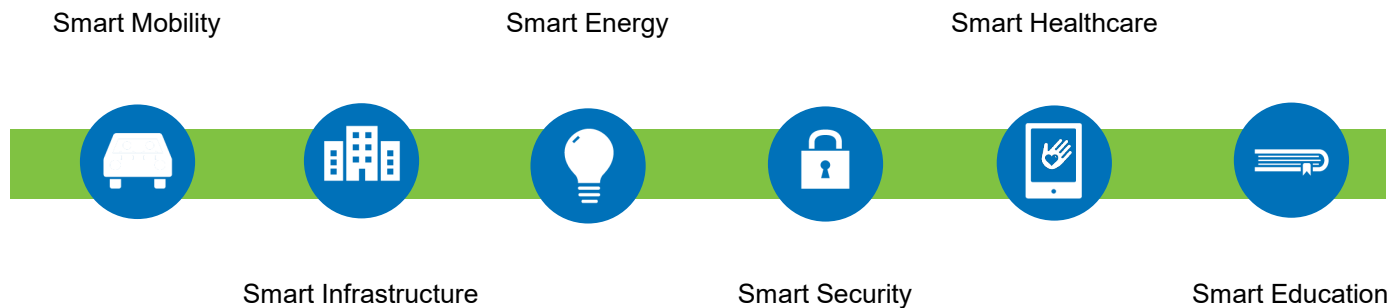


1) <https://www.grandviewresearch.com/industry-analysis/smart-cities-market>

2) <https://www.prnewswire.com/news-releases/global-smart-energy-market-2020-to-2027---by-product-end-user-industry-and-region-301257417.html>

Themes (1)

Smart Cities



Themes (2)

Smart Cities



Smart Mobility

Intelligent Transportation System is expected to revolutionize the way people commute in smart cities. The segment is projected to grow at a CAGR of 19.9% from 2017 to 2023¹⁾.

L6 RBICS sector example: Vehicle Autonomous Control Electronics Makers



Smart Infrastructure

This segment caters to both public and home infrastructure markets. Smart highways and management systems fall under the public infrastructure subdivision, whereas controlling, automating and optimizing household functions (smart home) are classified under home infrastructure.

L6 RBIC sector example: Household Robots



Smart Energy

This segment caters to smart grid, smart solar, and home energy management systems. Smart grid and smart solar markets are expecting to witness a CAGR of 20.9% (2023), 15.4% (2020) respectively²⁾

L6 RBICS sector example: Power, Control and Mixed Signal Semiconductors



Smart Security

The Global smart security market is anticipated to grow at a 15.97% CAGR between 2017 and 2025³⁾. Some of the driving factors are: rising demand for public safety, growing urbanization, increased crime rates and smart city projects in developing countries

L6 RBICS sector example: Network Security Software



Smart Healthcare

This segment is involved in connected system of medical devices and applications that generate and monitor data. Remote patient monitoring systems and the Internet of Medical Things enable efficient use of resources to provide preventative measures through real time data collection

L6 RBIC sector example: Healthcare Management Software



Smart Education

The global smart education market size is expected to register an annual growth rate of 15.2% from 2018 to 2025⁴⁾. Growth can be attributed to increasing preference for eLearning, rising demand for innovative and interactive techniques such as educational apps and gamification

L6 RBIC sector example: Education Information and News Media and Sites

1) <https://www.prnewswire.com/news-releases/global-smart-mobility-market-2023---market-is-expected-to-grow-at-a-cagr-of-199-300547231.html>

2) <https://www.marketsandmarkets.com/PressReleases/global-smart-grid.asp>; <https://www.marketsandmarkets.com/PressReleases/smart-solar.asp>

3) <https://www.reportsnreports.com/reports/1212725-global-smart-security-market-forecast-2017-2025.html>

4) <https://www.grandviewresearch.com/industry-analysis/smart-education-learning-market>

STOXX Global Smart Cities Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Smart Cities | STOXX Developed and Emerging Markets Total Market |
|------------------------------|---------------------------|---|
| Perf. overall (annualized) | 22.87% | 12.73% |
| Perf. (1Y) | 66.39% | 42.46% |
| Perf. (3Y) (annualized) | 34.85% | 15.04% |
| Perf. (5Y) (annualized) | 29.69% | 15.08% |
| Vol. overall (annualized) | 20.00% | 13.69% |
| Volatility (1Y) (annualized) | 26.32% | 12.45% |
| Volatility (3Y) (annualized) | 26.10% | 18.47% |
| Volatility (5Y) (annualized) | 21.53% | 15.16% |
| Sharpe ratio (Overall) | 1.10 | 0.89 |
| Sharpe ratio (5Y) | 1.26 | 0.93 |
| Tracking error (Overall) | 12.41% | |
| Tracking error (5Y) | 13.05% | |
| Dividend yield (Overall) | 5.08% | 5.09% |
| Maximum drawdown | 34.66% | 34.84% |
| Constituents | 106 | 9821 |

Performance



1) Source: Qontigo, daily data. Relative figures calculated against Benchmark

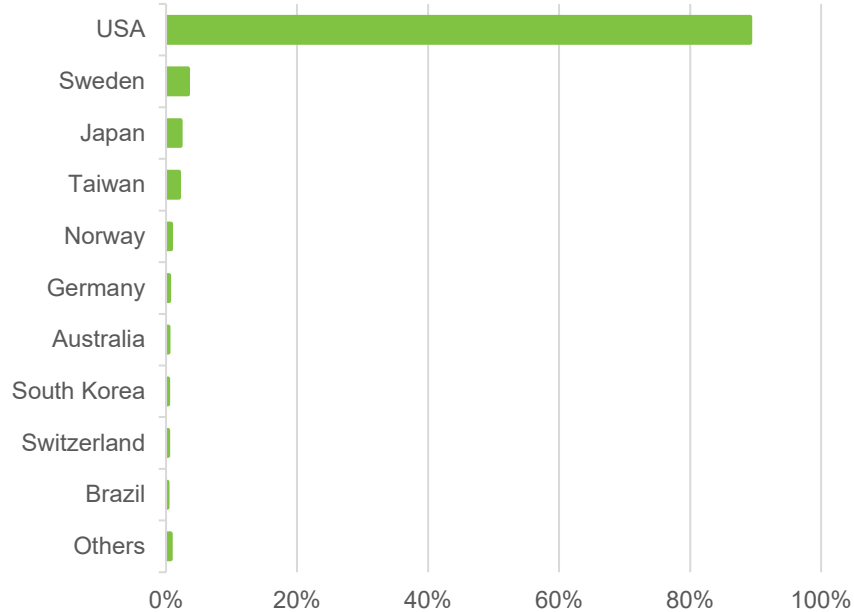
2) LIBOR used as a proxy for riskless returns

3) Qontigo Data Jun 18, 2012 – Jun 30, 2021

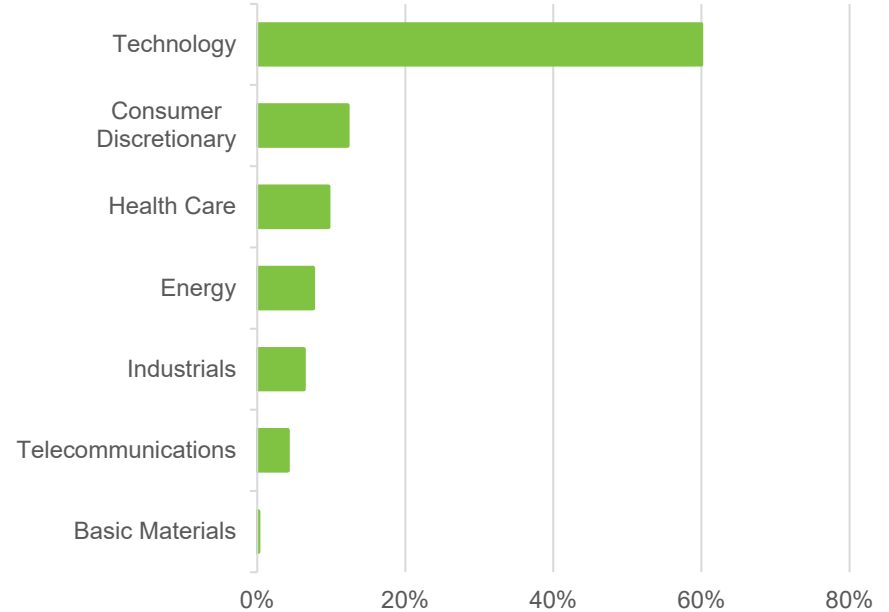
STOXX Global Smart Cities Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



¹⁾ Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Smart Cities Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|------------------------|-----------------------|---------|------------|
| TESLA | Automobiles and Parts | USA | 8.47 |
| BROADCOM | Technology | USA | 7.74 |
| Intel Corp. | Technology | USA | 7.44 |
| DOCUSIGN | Technology | USA | 6.43 |
| CROWDSTRIKE HOLDINGS A | Technology | USA | 4.70 |
| VEEVA SYSTEMS CL.A | Health Care | USA | 4.51 |
| PALO ALTO NETWORKS | Technology | USA | 4.38 |
| Xilinx Inc. | Technology | USA | 4.32 |
| FORTINET | Technology | USA | 3.92 |
| TE CONNECTIVITY LTD. | Technology | USA | 3.37 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Sharing Economy Index

Overview

Sharing Economy

Sharing Economy is a deep socio-economic trend that permit users to gain temporary access to various assets. According to Forbes, trillions of dollars of assets are underutilized.

Millennials constitute of 25% of the world's population and have spending already over \$600 billion annually, are expected to be the biggest facilitators of the sharing economy model¹⁾.

Shared mobility - Currently, China and the United States are the two largest markets for shared mobility, at \$24 billion and \$23 billion, respectively. Both dominated by e-hailing players, which hold market shares that exceed 80 percent in each country²⁾.

Tourism Industry - The sharing economy is changing the tourism marketplace, giving people new options for where to stay, what to do and how to get around. The biggest disrupter in this space is Airbnb which averages 425,000 guests per night, nearly 22% more than Hilton Worldwide³⁾.



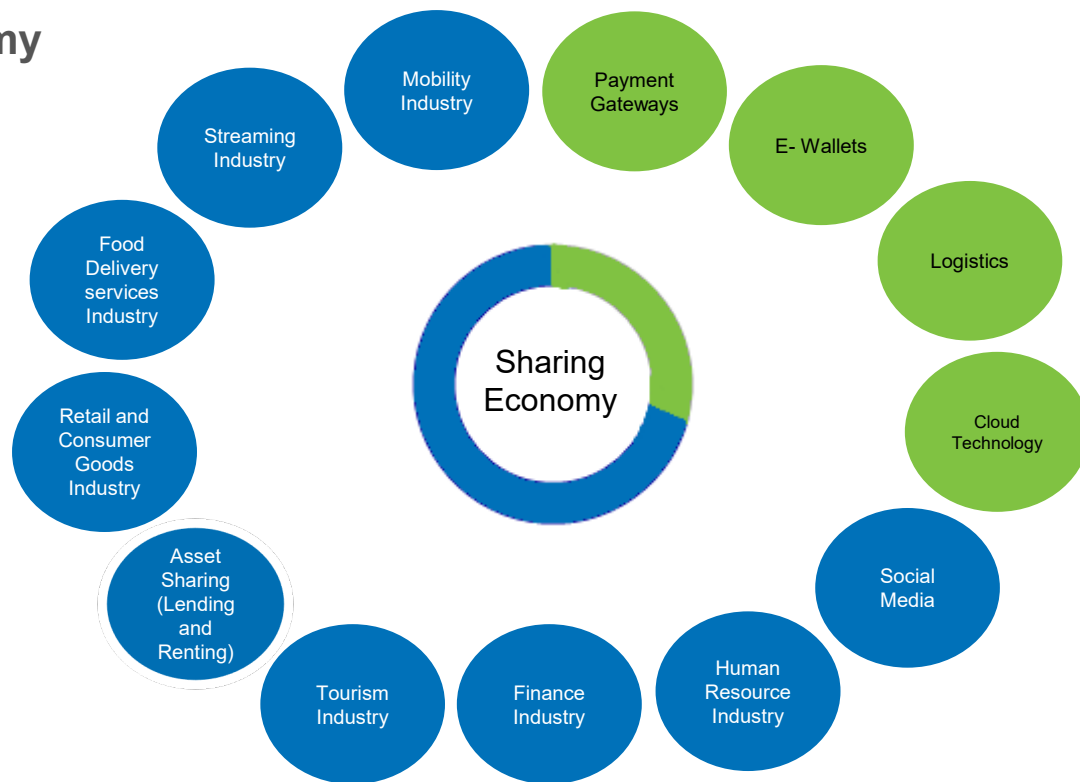
1) <https://www.ft.com/content/f81ac17a-68ae-11e8-b6eb-4acfcfb08c11>

2) <https://www.mckinsey.com/industries/automotive-and-assembly/our-insights/how-shared-mobility-will-change-the-automotive-industry>

3) https://www.pwc.fr/fr/assets/files/pdf/2015/05/pwc_etude_sharing_economy.pdf

Themes (1)

Sharing Economy



Themes (2) – Drivers

Mobility Industry

Shared mobility includes car sharing and on-demand ride services. Currently, China and US are its largest markets at \$24 billion and \$23 billion, respectively.

Streaming Industry

Video streaming segment will be worth \$30.6bn in 2022. Also, for the first time in 2016, digitally streamed music revenues exceeded physically recorded music revenues.

Social Media

Social media is a direct facilitator of the sharing economy model. Due to its collaborative platforms, people are more willing to share information, and opinions with complete strangers.

Food Delivery Services Industry

It is expanding choice and convenience, with a single tap of the mobile phone. McKinsey estimates that the market will reach more than \$22.76 billion by 2025.

Retail & Consumer Goods

The segment involves Online Markets, Fashion, Furniture & Sports Rental. For ex, Organized markets facilitate interaction among sellers and buyers.

Asset sharing

The implication of sharing economy enables individuals to monetize assets that are fully utilized (pertains to assets like heavy equipment and construction machinery).

Tourism Industry

The sharing economy is changing tourism, giving people new options of stay, of getting around. For ex, Airbnb averages 425,000 guests per night, nearly 22% more than Hilton Worldwide.

Finance Industry

The sharing economy is reshaping finance through P2P lending, social payments, crowdfunding and P2P insurance. Global P2P lending market expected to be worth \$897.85 bn by 2024.

Human Resource Industry

Sharing Economy allows individuals to make use of their specialist knowledge and experience to provide c2c services for free or in return for payment.

Themes (3) – Facilitators

Payment Gateways

A payment gateway is a service that helps merchants accept payments online. The global market accounted for \$ 17.2 bn in 2020 and is expected to grow at an annual rate of 16.43% in 2021-2026⁶⁾.

E-Wallets

Digital payments have become a key component of this new sharing economic reality, ensuring the seamless and secure transfer of funds from renter to owner.

Cloud Technology

Sharing-economy companies require easily expandable networks are needed to manage complex and growing business ventures. Cloud platforms meets such complex requirements.

Logistics Industry

Logistics generate over \$1.25 trillion annually. However, the fragmented industry is plagued by underutilization of assets, Shared economy is set to disrupt this space.

1) <https://www.mckinsey.com/industries/automotive-and-assembly/our-insights/how-shared-mobility-will-change-the-automotive-industry>

2) <https://www.mckinsey.com/industries/high-tech/our-insights/the-changing-market-for-food-delivery>

3) https://www.pwc.fr/fr/assets/files/pdf/2015/05/pwc_etude_sharing_economy.pdf

4) <https://www.pwc.nl/en/publicaties/dutch-entertainment-and-media-outlook-2017-2021/music.html>

5) <https://www.prnewswire.com/news-releases/peer-to-peer-lending-market-to-be-worth-us-897-85-billion-by-2024-tmr-883066968.html>

6) <https://www.mordorintelligence.com/industry-reports/payment-gateway-market>

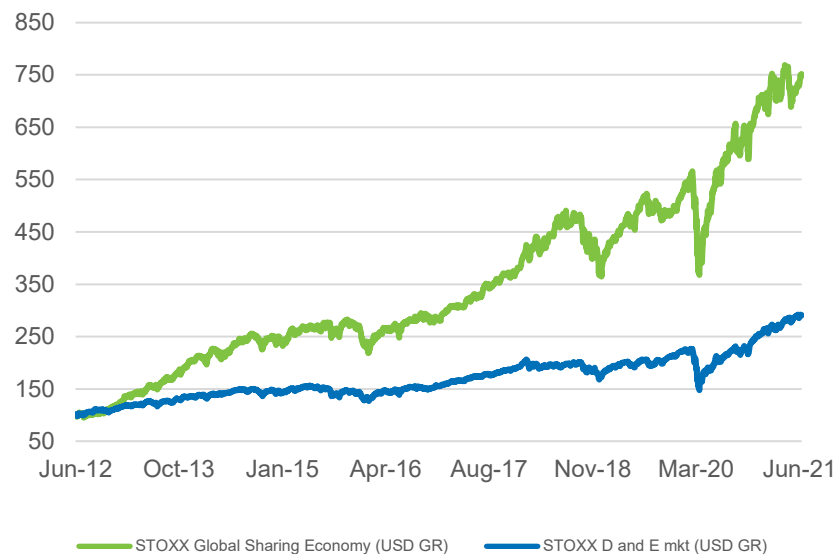
STOXX Global Sharing Economy Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Sharing Economy | STOXX Developed and Emerging Markets Total Market |
|------------------------------|------------------------------|---|
| Perf. overall (annualized) | 25.34% | 12.73% |
| Perf. (1Y) | 35.16% | 42.46% |
| Perf. (3Y) (annualized) | 17.67% | 15.04% |
| Perf. (5Y) (annualized) | 23.76% | 15.08% |
| Vol. overall (annualized) | 19.69% | 13.69% |
| Volatility (1Y) (annualized) | 19.19% | 12.45% |
| Volatility (3Y) (annualized) | 24.69% | 18.47% |
| Volatility (5Y) (annualized) | 20.70% | 15.16% |
| Sharpe ratio (Overall) | 1.21 | 0.89 |
| Sharpe ratio (5Y) | 1.08 | 0.93 |
| Tracking error (Overall) | 11.07% | |
| Tracking error (5Y) | 10.42% | |
| Dividend yield (Overall) | 3.32% | 5.09% |
| Maximum drawdown | 35.05% | 34.84% |
| Constituents | 129 | 9821 |

Performance



1) Source: Qontigo, daily data. Relative figures calculated against Benchmark

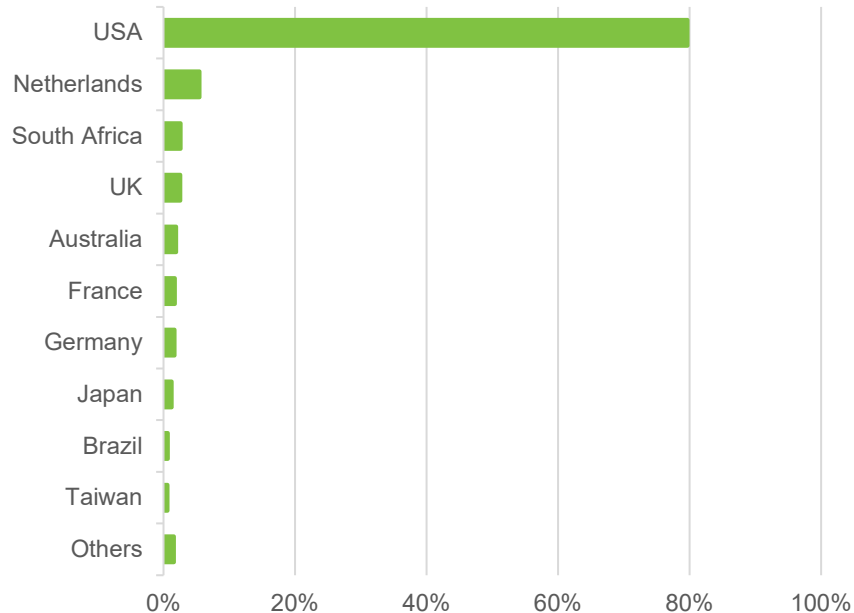
2) LIBOR used as a proxy for riskless returns

3) Qontigo Data Jun 18, 2012 – Jun 30, 2021

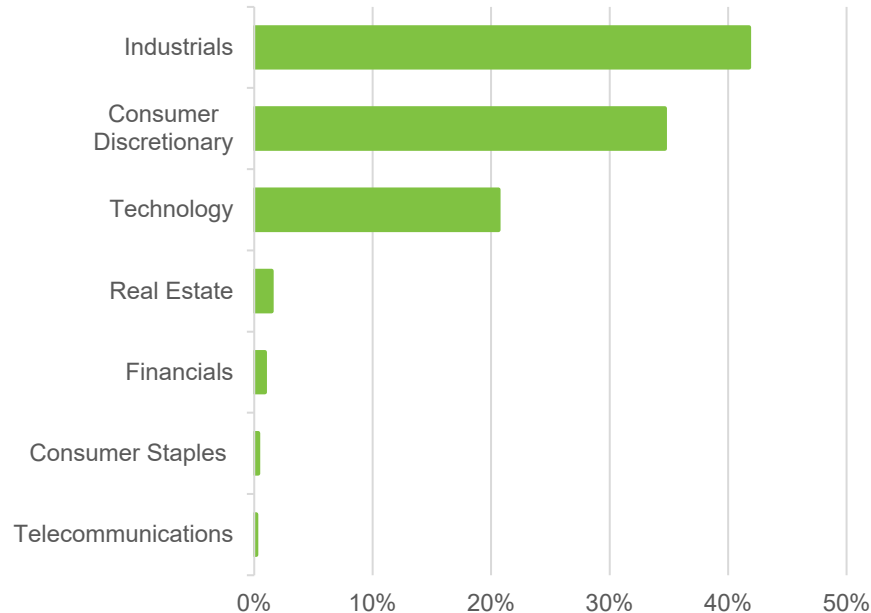
STOXX Global Sharing Economy Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



¹⁾ Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Sharing Economy Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|-------------------------------|--------------------------------|-------------|------------|
| FACEBOOK CLASS A | Technology | USA | 8.10 |
| Amazon.com Inc. | Retail | USA | 7.95 |
| MasterCard Inc. Cl A | Industrial Goods and Services | USA | 7.76 |
| VISA Inc. Cl A | Industrial Goods and Services | USA | 7.74 |
| Netflix Inc. | Media | USA | 4.72 |
| PayPal Holdings | Industrial Goods and Services | USA | 4.71 |
| BOOKING HOLDINGS | Travel and Leisure | USA | 4.10 |
| Fidelity National Information | Industrial Goods and Services | USA | 3.53 |
| MERCADOLIBRE | Consumer Products and Services | USA | 3.52 |
| ADYEN | Industrial Goods and Services | Netherlands | 3.25 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Housing Construction Index

Infrastructure Construction Industry: At a Glance



The global infrastructure development industry is expected to be worth \$10.5 trillion by 2023, growing at an annual rate of 4.2%¹⁾

Within the infrastructure industry, The Global Construction Materials Market is expected to grow by \$ 1123.07 bn during 2021-2025 progressing at a CAGR of almost 16% during the forecast period²⁾

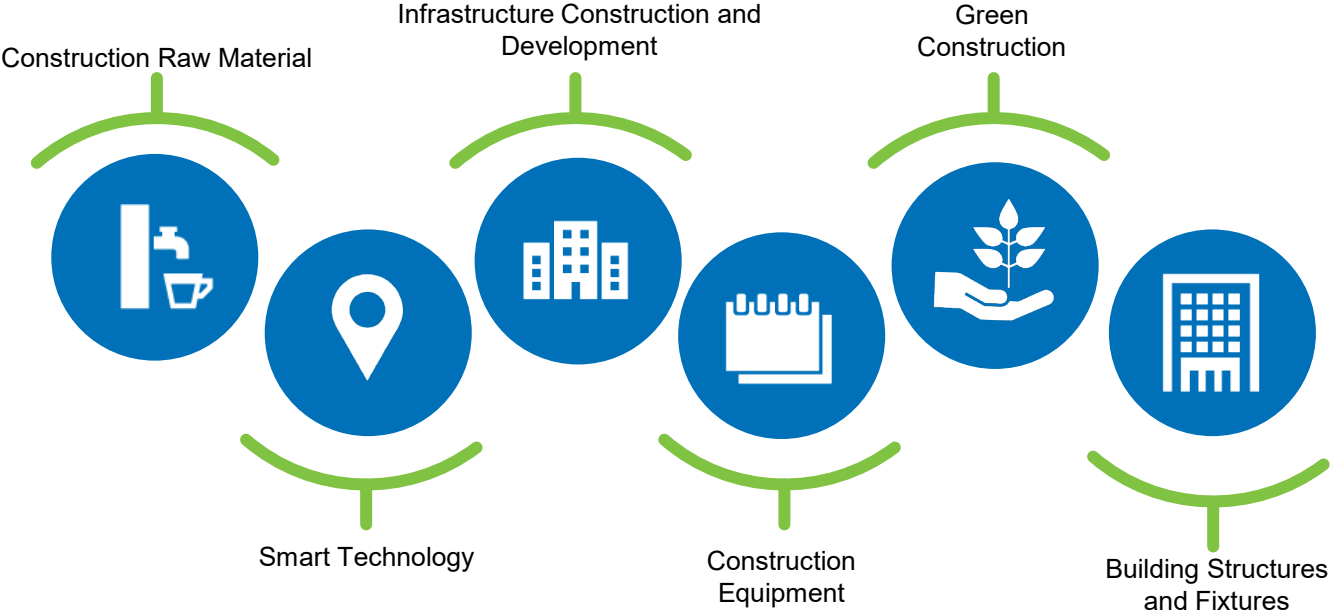
Potential growth factors include:
Increasing use of green construction, life-enhancing devices for aging structures, BIS for efficient building management.

1) <https://www.prnewswire.com/news-releases/growth-opportunities-for-the-global-construction-industry-2018-2023---a-potential-105-trillion-market-300578103.html>

2) <https://www.globenewswire.com/news-release/2021/04/15/2211130/0/en/The-Global-Construction-Materials-Market-is-expected-to-grow-by-1123-07-bn-during-2021-2025-progressing-at-a-CAGR-of-almost-16-during-the-forecast-period.html>

Themes (1)

Housing Construction



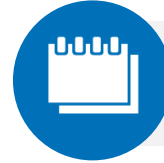
Themes (2)

Construction Raw Material



The global building materials market was valued at almost \$940 billion in 2016. It is expected to surpass \$1,234 billion by 2021¹⁾.

Construction Equipment



The global heavy construction equipment market was valued at \$ 55.9 billion in 2016. It is expected to register a CAGR of 5.4% from 2017 to 2025²⁾.

Smart Technology



Connected devices give real-time information, which helps in improving downtime, optimizing construction processes, utilizing resources.

Green Construction



The Global Green Building Materials industry was worth \$158.8 billion in 2016, rising from \$106 billion in 2012, growing at an annual rate of 10.5%³⁾.

Infrastructure Construction &



the Global Infrastructure Construction market is expected to see growth rate of 6.8% and may see market size of \$3.9 Trillion by 2026.

Building Structures and Fixtures



Systems are required for the safe, comfortable and environmentally friendly operation of modern buildings.

1) <https://www.technavio.com/pressrelease/global-building-materials-market-new-market-research-report>
2) <https://www.advancemarketanalytics.com/reports/12283-global-infrastructure-construction-market>
3) <https://bisresearch.com/industry-report/global-construction-sustainable-materials-market-2026.html>

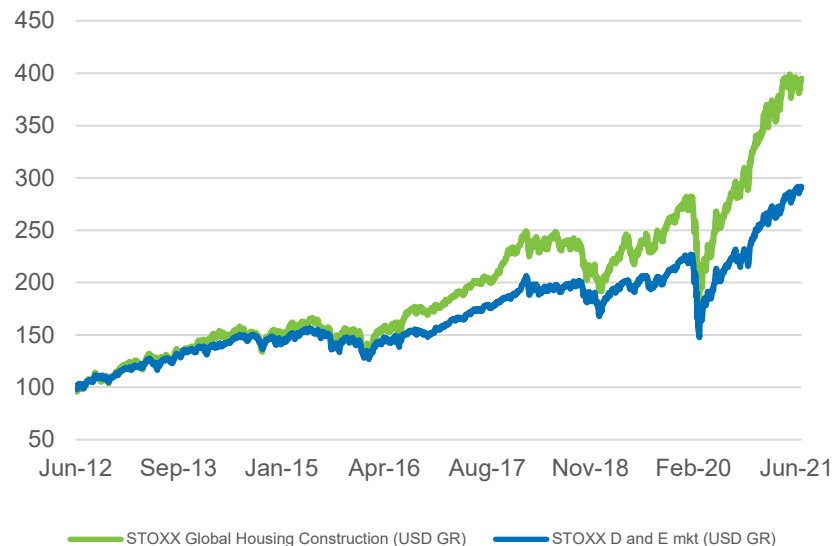
STOXX Global Housing Construction Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Housing Construction | STOXX Developed and Emerging Markets Total Market |
|------------------------------|-----------------------------------|---|
| Perf. overall (annualized) | 16.65% | 12.73% |
| Perf. (1Y) | 53.16% | 42.46% |
| Perf. (3Y) (annualized) | 19.40% | 15.04% |
| Perf. (5Y) (annualized) | 20.57% | 15.08% |
| Vol. overall (annualized) | 17.41% | 13.69% |
| Volatility (1Y) (annualized) | 17.01% | 12.45% |
| Volatility (3Y) (annualized) | 22.48% | 18.47% |
| Volatility (5Y) (annualized) | 18.67% | 15.16% |
| Sharpe ratio (Overall) | 0.93 | 0.89 |
| Sharpe ratio (5Y) | 1.04 | 0.93 |
| Tracking error (Overall) | 7.80% | |
| Tracking error (5Y) | 7.46% | |
| Dividend yield (Overall) | 5.49% | 5.09% |
| Maximum drawdown | 36.22% | 34.84% |
| Constituents | 273 | 9821 |

Performance



1) Source: Qontigo, daily data. Relative figures calculated against Benchmark

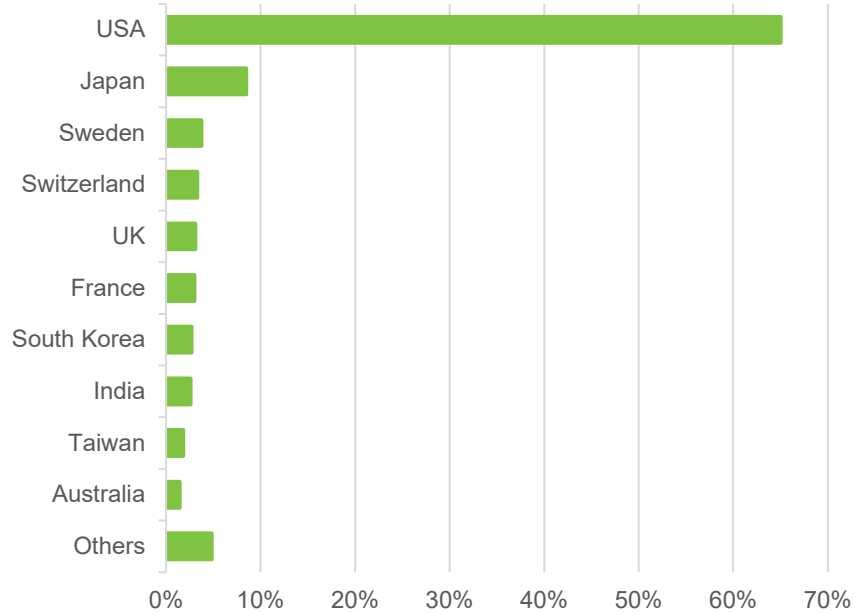
2) LIBOR used as a proxy for riskless returns

3) Qontigo Data Jun 18, 2012 – Jun 30, 2021

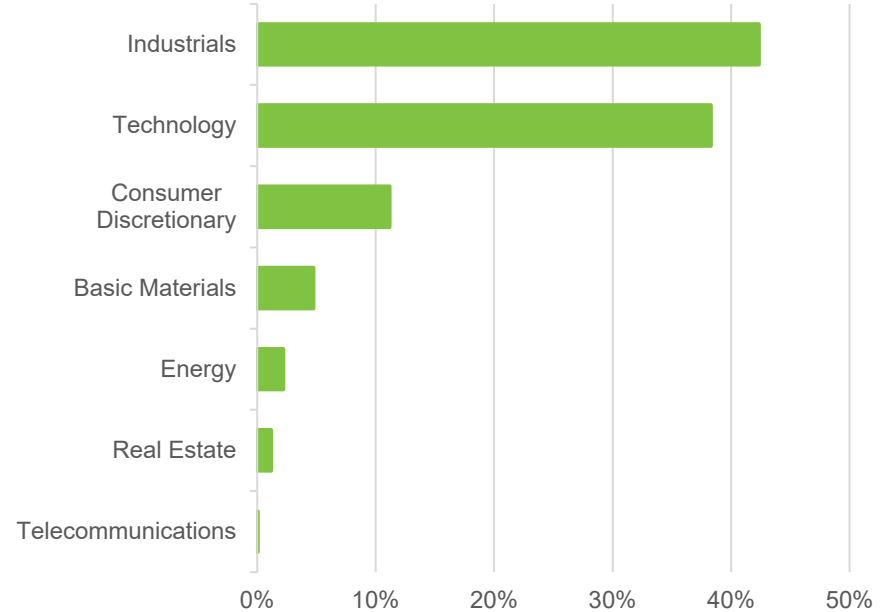
STOXX Global Housing Construction Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



¹⁾ Source: Qontigo. Data as of Jun 30, 2021.

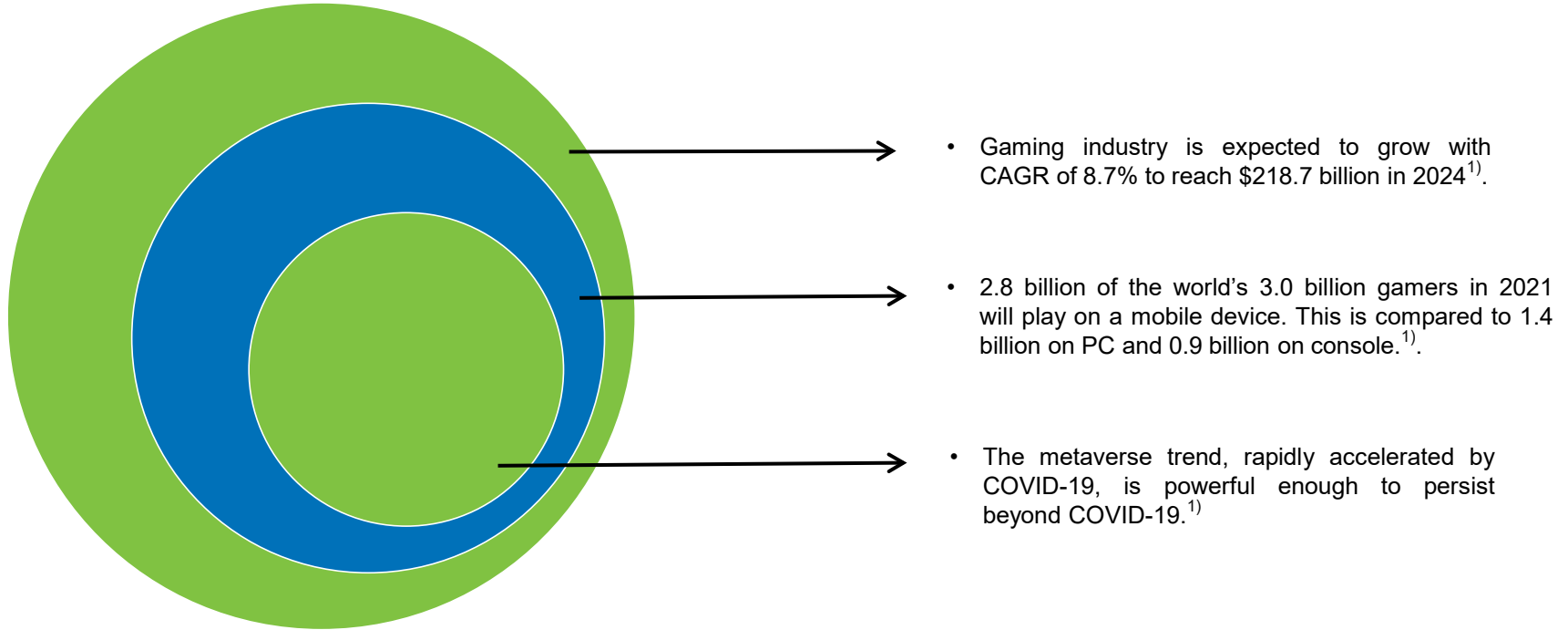
STOXX Global Housing Construction Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|------------------------|-------------------------------|-------------|------------|
| Qualcomm Inc. | Technology | USA | 7.84 |
| Intel Corp. | Technology | USA | 7.74 |
| Texas Instruments Inc. | Technology | USA | 6.50 |
| Micron Technology Inc. | Technology | USA | 3.81 |
| Analog Devices Inc. | Technology | USA | 2.66 |
| Daikin Industries Ltd. | Construction and Materials | Japan | 2.40 |
| Johnson Controls PLC | Industrial Goods and Services | USA | 2.39 |
| Sherwin-Williams Co. | Industrial Goods and Services | USA | 2.34 |
| SK HYNIX INC | Technology | South Korea | 2.09 |
| SYNOPSYS | Technology | USA | 1.84 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Video Gaming and eSports Index

Overview



1) Newzoo 2021 Global Game Market Report: <https://newzoo.com/insights/trend-reports/newzoo-global-games-market-report-2021-free-version/>

Themes

An increase in demand of video games and eSports is expected to grow global games market with a CAGR of +9% (2018-2022)¹⁾.

Game software



- Game developers to reduce dependency on producing games on hardware with better software performance.
- Availability of multiple software libraries and faster internet.
- Disruption of current video gaming trend with the idea to play video games without owning the physical hardware or console.
- With an increase in demand of download PlayStation games, Sony captured 35% of revenue from software sales in 2017²⁾.

Peripherals, hardware, platforms (beneficiaries)

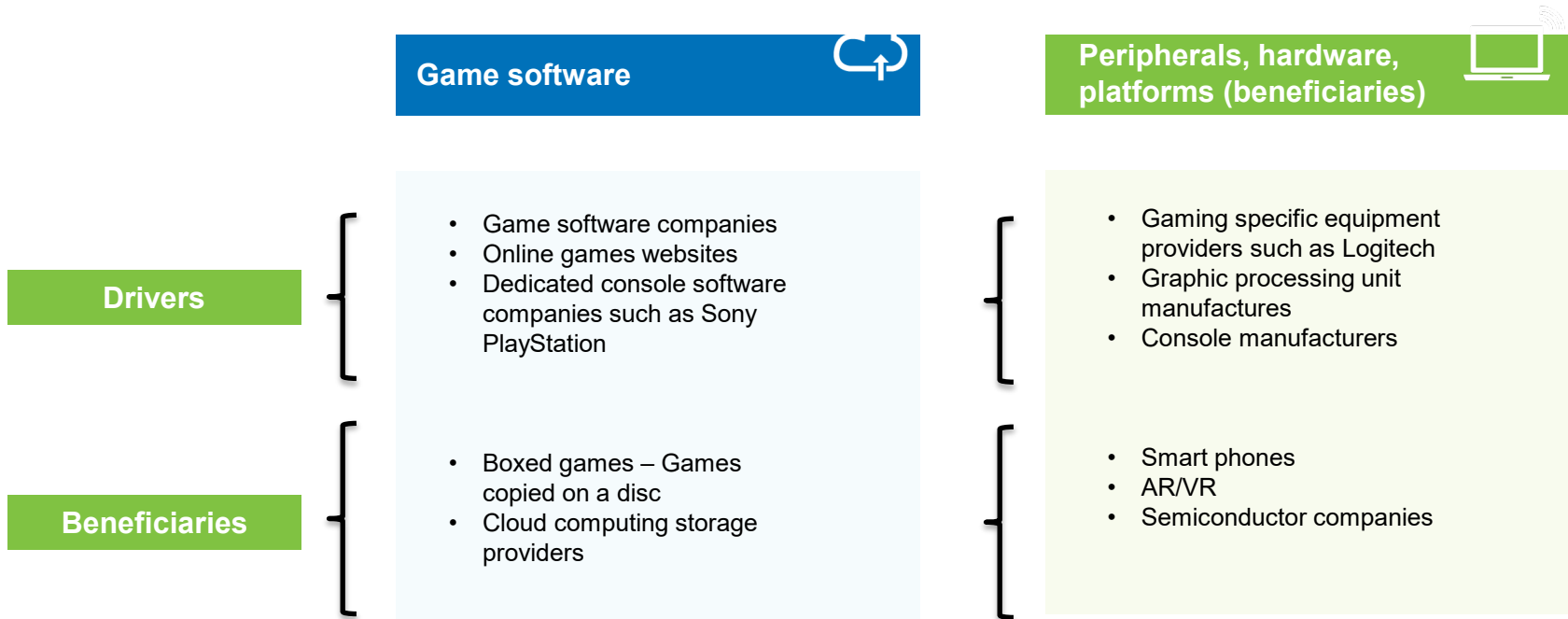


- Conventional players prefer to buy latest gadget/peripheral in market to fulfil gaming needs.
- Expansion of product range to gaming specific mice, keyboard and headsets to leverage video gaming trend.
- Upsell opportunities include improved battery life and wireless charging of peripherals.
- Leading by market share, NVIDIA is capitalizing on graphic processing unit (GPU) which renders images in video gaming.

1) Global games Market by newzoo

2) e-Sports – From Wild West to Mainstream by Goldman Sachs

Drivers and Beneficiaries



STOXX Global Video Gaming and eSports Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Video Gaming & eSports | STOXX Developed and Emerging Markets Total Market |
|------------------------------|---|---|
| Perf. overall (annualized) | 27.46% | 12.63% |
| Perf. (1Y) | 42.60% | 42.26% |
| Perf. (3Y) (annualized) | 26.72% | 14.93% |
| Perf. (5Y) (annualized) | 31.74% | 14.96% |
| Vol. overall (annualized) | 17.23% | 13.65% |
| Volatility (1Y) (annualized) | 18.40% | 12.43% |
| Volatility (3Y) (annualized) | 21.45% | 18.41% |
| Volatility (5Y) (annualized) | 18.36% | 15.11% |
| Sharpe ratio (Overall) | 1.45 | 0.89 |
| Sharpe ratio (5Y) | 1.53 | 0.92 |
| Tracking error (Overall) | 10.65% | |
| Tracking error (5Y) | 10.94% | |
| Dividend yield (Overall) | 8.98% | 5.05% |
| Maximum drawdown | 26.07% | 34.84% |
| Constituents | 109 | 9821 |

1) Source: Qontigo data as of Mar 31, 2021

Performance



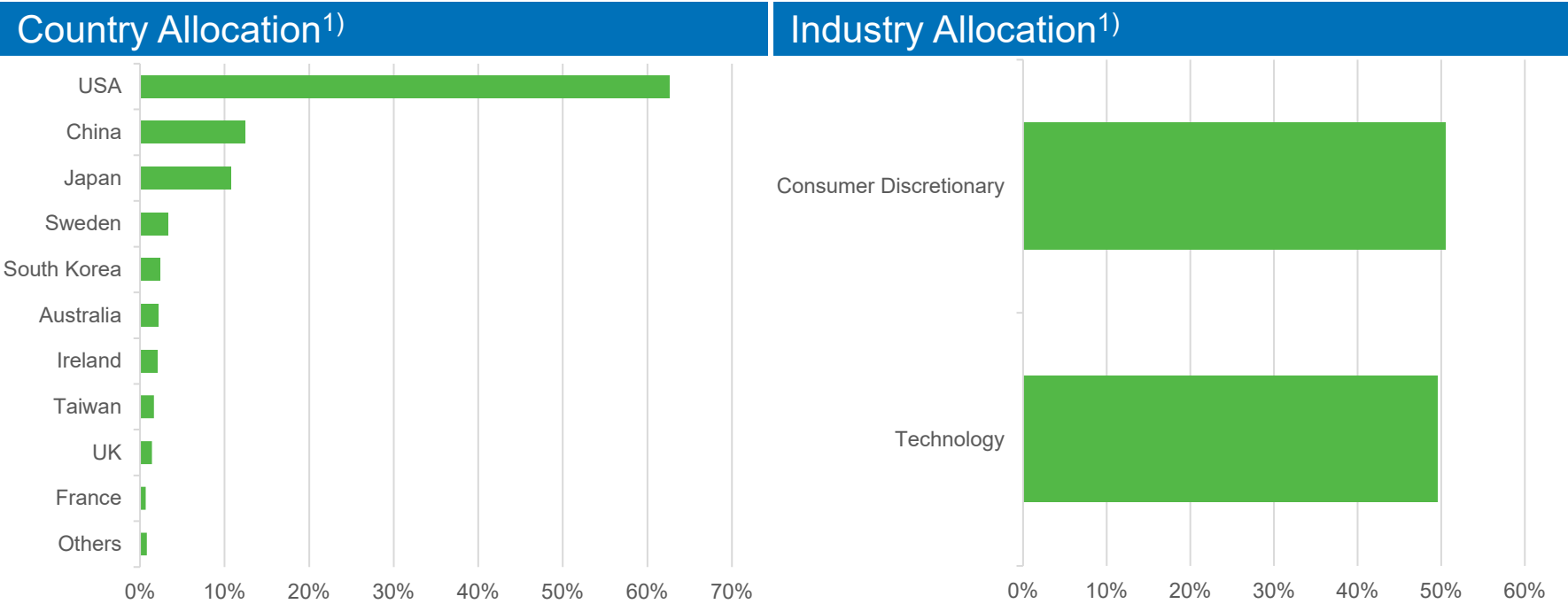
1) Source: Qontigo, daily data. Relative figures calculated against Benchmark

2) LIBOR used as a proxy for riskless returns

3) Qontigo Data Jun 18, 2012 – Jun 30, 2021

STOXX Global Video Gaming and eSports Index

Country and Industry Allocation



1) Source: Qontigo. Data as of Jun 30, 2021.

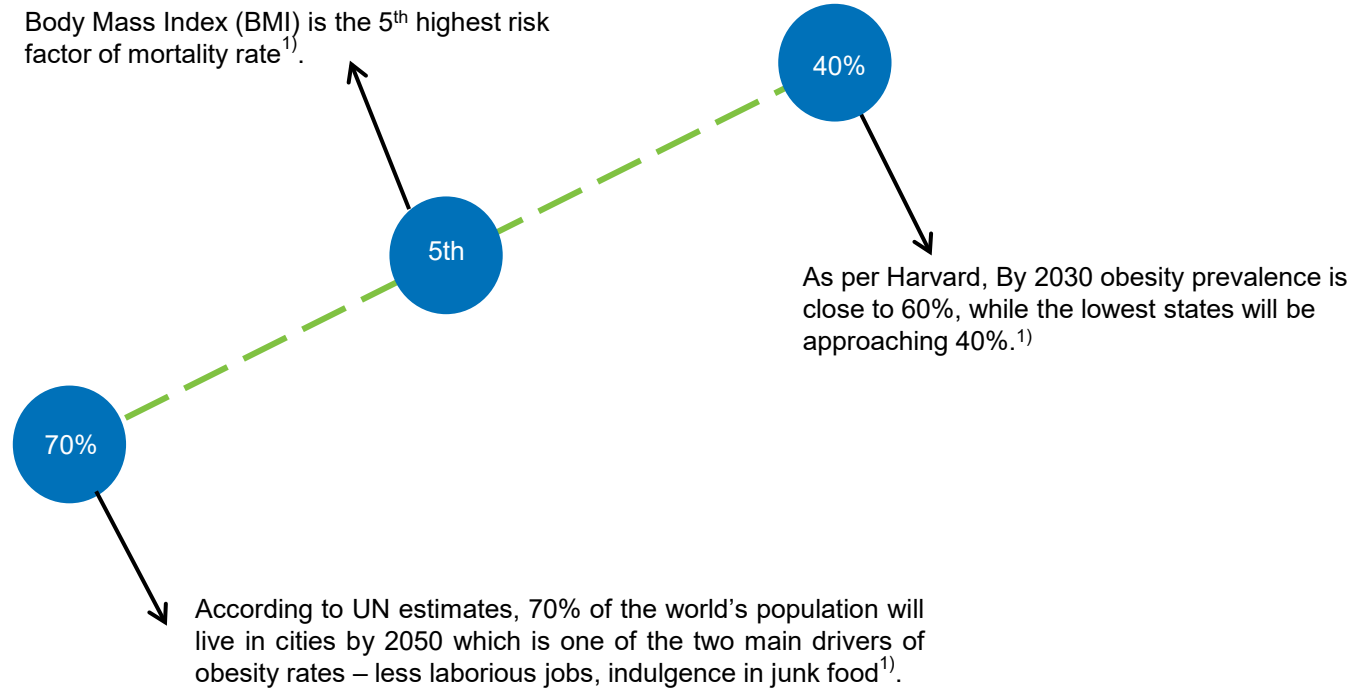
STOXX Global Video Gaming and eSports Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|--------------------------|--------------------------------|---------|------------|
| NVIDIA Corp. | Technology | USA | 9.08 |
| Apple Inc. | Technology | USA | 8.59 |
| Microsoft Corp. | Technology | USA | 8.33 |
| Intel Corp. | Technology | USA | 7.74 |
| ADVANCED MICRO DEVICES | Technology | USA | 5.12 |
| Amazon.com Inc. | Retail | USA | 4.57 |
| Activision Blizzard Inc. | Consumer Products and Services | USA | 4.35 |
| TENCENT HOLDINGS | Technology | China | 4.32 |
| Nintendo Co. Ltd. | Consumer Products and Services | Japan | 4.23 |
| Electronic Arts Inc. | Consumer Products and Services | USA | 3.88 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Health and Weight Loss Index

Overview



1) <https://www.hsph.harvard.edu/news/press-releases/half-of-us-to-have-obesity-by-2030/>

Themes

Physical activity & sportswear apparel

- Growing numbers of affordable equipment to engage in physical activities
- Expansion of sportswear industry both in developed and emerging markets



Diet, healthy food & beverage

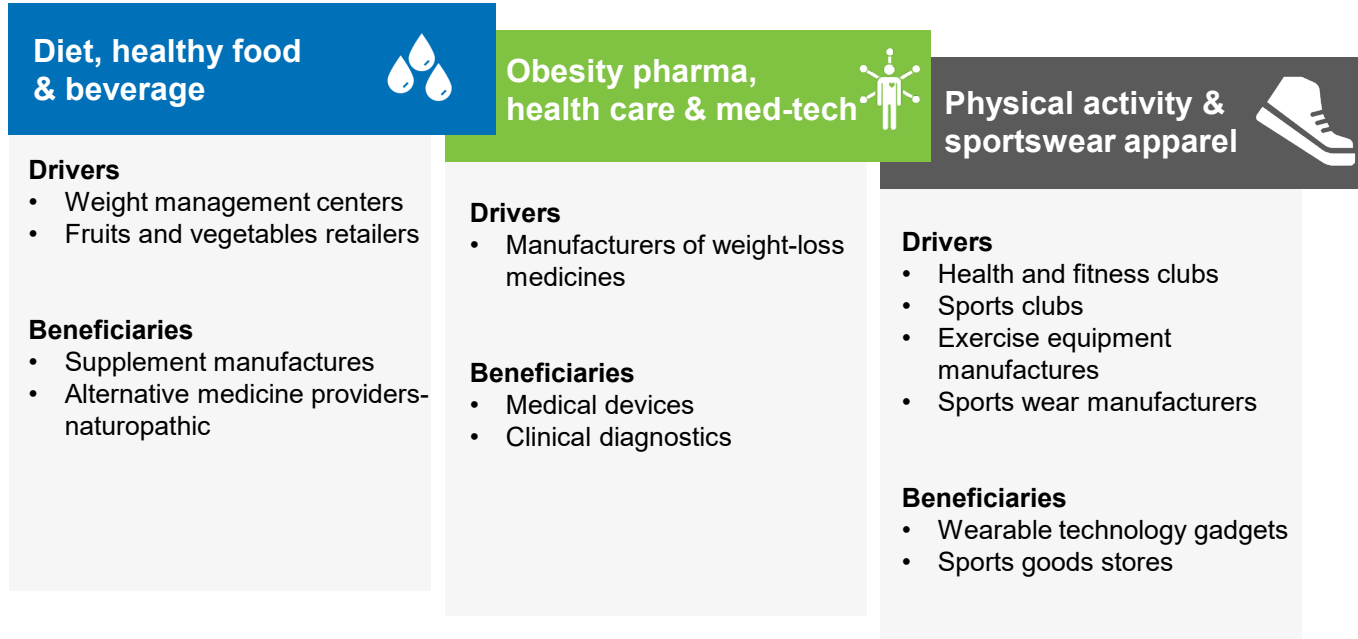
- Rise in demand of low calorie food replacements and organic products
- Weight watcher centers reduce obesity
- Supplement industry is benefited with increase in health awareness

Obesity pharma, health care & med-tech

- Increasing support to weight-loss medicines
- Rise in demand of dialysis services due to kidney failures (45% are attributed to obesity) ¹⁾
- High correlation with Type 2 Diabetes leading to increase in demand of Insulin

1) Globesity and Health & Wellness primer by BoAML

Drivers and Beneficiaries



STOXX Global Health and Weight Loss Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Health & Weight Loss | STOXX Developed and Emerging Markets Total Market |
|------------------------------|-----------------------------------|---|
| Perf. overall (annualized) | 17.91% | 12.63% |
| Perf. (1Y) | 52.40% | 42.26% |
| Perf. (3Y) (annualized) | 25.81% | 14.93% |
| Perf. (5Y) (annualized) | 21.99% | 14.96% |
| Vol. overall (annualized) | 14.74% | 13.65% |
| Volatility (1Y) (annualized) | 14.81% | 12.43% |
| Volatility (3Y) (annualized) | 17.59% | 18.41% |
| Volatility (5Y) (annualized) | 14.84% | 15.11% |
| Sharpe ratio (Overall) | 1.14 | 0.89 |
| Sharpe ratio (5Y) | 1.34 | 0.92 |
| Tracking error (Overall) | 9.53% | |
| Tracking error (5Y) | 9.04% | |
| Dividend yield (Overall) | 3.66% | 5.05% |
| Maximum drawdown | 30.27% | 34.84% |
| Constituents | 108 | 9821 |

Performance

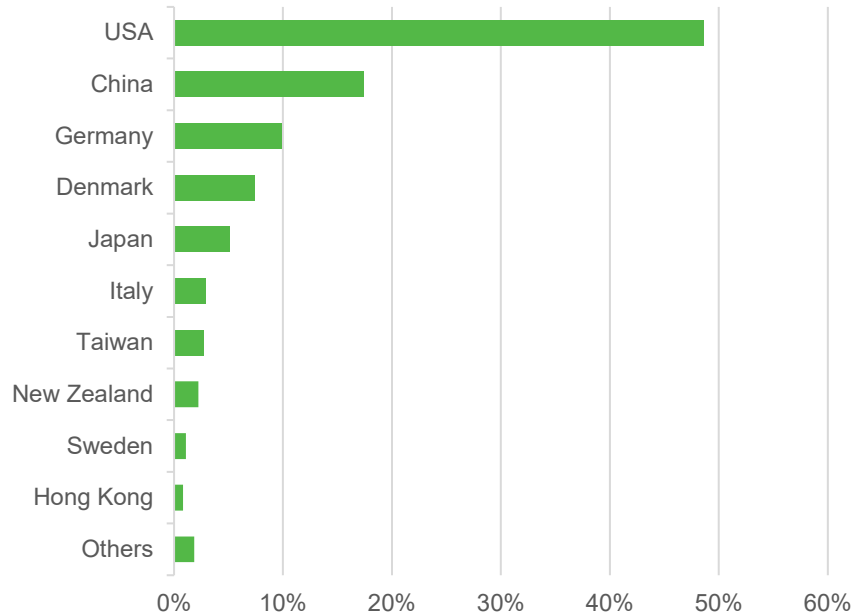


- 1) Source: Qontigo, daily data. Relative figures calculated against Benchmark
- 2) LIBOR used as a proxy for riskless returns
- 3) Qontigo Data Jun 18, 2012 – Jun 30, 2021

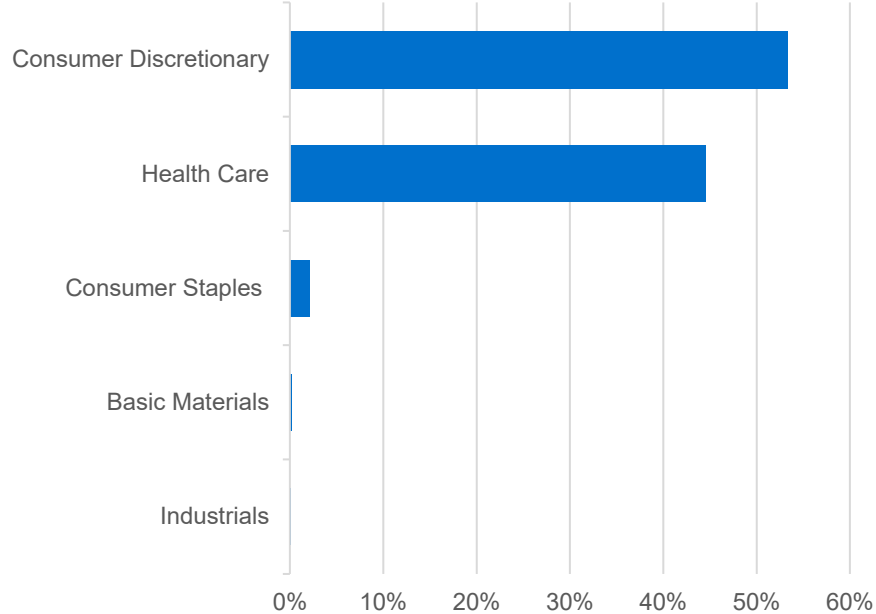
STOXX Global Health and Weight Loss Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



1) Source: Qontigo. Data as of Jun 30, 2021.

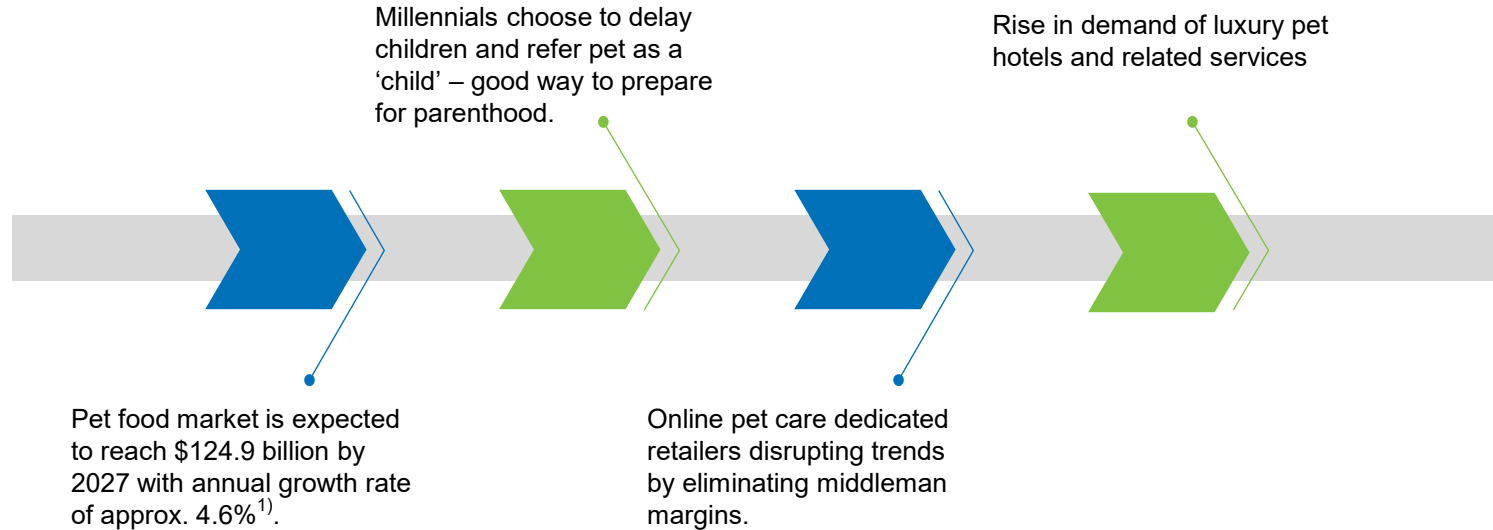
STOXX Global Health and Weight Loss Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|----------------------------|--------------------------------|---------|------------|
| Nike Inc. CI B | Consumer Products and Services | USA | 8.83 |
| ADIDAS | Consumer Products and Services | Germany | 7.86 |
| Edwards Lifesciences Corp. | Health Care | USA | 7.76 |
| NOVO NORDISK B | Health Care | Denmark | 7.43 |
| PELOTON INTERACTIVE A | Travel and Leisure | USA | 4.77 |
| LI NING | Consumer Products and Services | China | 4.71 |
| ResMed Inc. | Health Care | USA | 4.71 |
| DEXCOM | Health Care | USA | 4.51 |
| VF Corp. | Consumer Products and Services | USA | 4.40 |
| ANTA SPORTS PRODUCTS | Consumer Products and Services | China | 3.06 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Pet Care Index

Overview



1) <https://www.grandviewresearch.com/industry-analysis/pet-food-industry>

Themes



Pet and pet supplies retail



- Online pet treat stores are on rise
- Innovative pet product range - pet stroller and tech products (tracking gadgets, cameras) in retail stores

Pet food and supply manufacturing



- Manufacturers tweaking treats formulated as per the age and weight of pets
- Revenues from pet grooming, pet hotels, pet care are on rise

Veterinary products and services



- Veterinary services accounts for highest expense of pet care per year

Drivers and Beneficiaries



Pet and pet supplies retail

Drivers

- Specialized pet retailers selling directly to consumers (online and offline)

Beneficiaries

- General online retailers such as Amazon



Pet food and supply manufacturing

Drivers

- Manufacturers of pet food
- Manufacturers of pet grooming equipment
- Pet hotels

Beneficiaries

- Wearable technology



Veterinary products and services

Drivers

- Pet pharmaceutical and diagnostic distributor
- Veterinary health providers

Beneficiaries

- Pharmaceutical companies
- Surgical and diagnostic devices for pet diseases

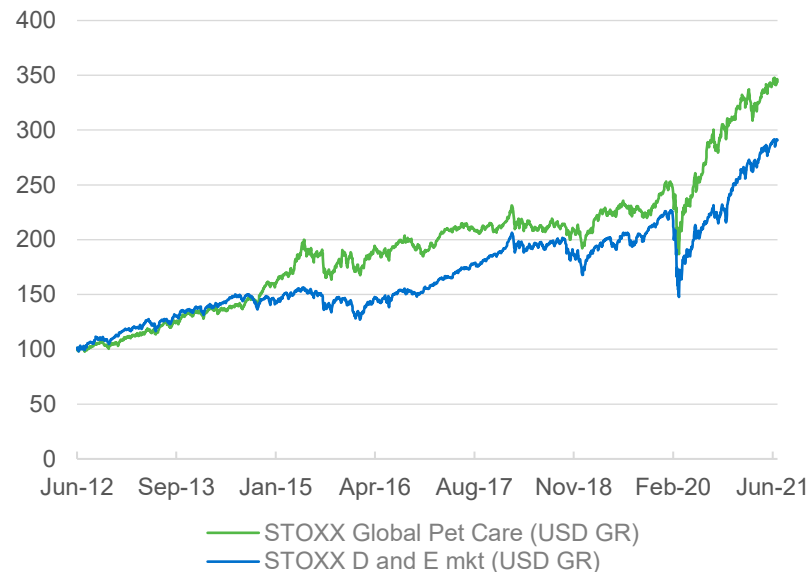
STOXX Global Pet Care Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Pet Care | STOXX Developed and Emerging Markets Total Market |
|------------------------------|-----------------------|---|
| Perf. overall (annualized) | 14.77% | 12.63% |
| Perf. (1Y) | 35.11% | 42.26% |
| Perf. (3Y) (annualized) | 18.15% | 14.93% |
| Perf. (5Y) (annualized) | 12.75% | 14.96% |
| Vol. overall (annualized) | 13.88% | 13.65% |
| Volatility (1Y) (annualized) | 12.28% | 12.43% |
| Volatility (3Y) (annualized) | 16.95% | 18.41% |
| Volatility (5Y) (annualized) | 14.31% | 15.11% |
| Sharpe ratio (Overall) | 1.01 | 0.89 |
| Sharpe ratio (5Y) | 0.83 | 0.92 |
| Tracking error (Overall) | 8.88% | |
| Tracking error (5Y) | 8.66% | |
| Dividend yield (Overall) | 4.52% | 5.05% |
| Maximum drawdown | 26.24% | 34.84% |
| Constituents | 35 | 9821 |

Performance



1) Source: Qontigo, daily data. Relative figures calculated against Benchmark

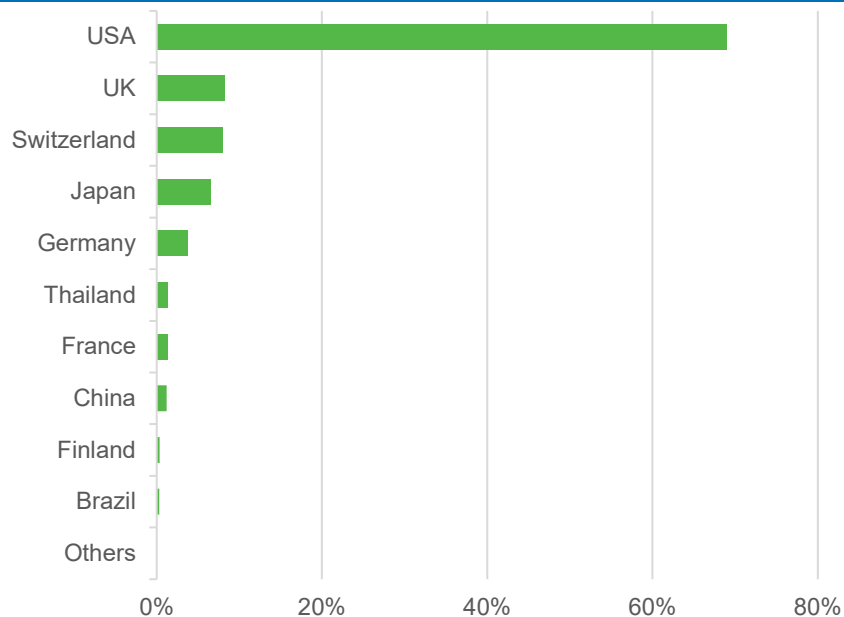
2) LIBOR used as a proxy for riskless returns

3) Qontigo Data Jun 18, 2012 – Jun 30, 2021

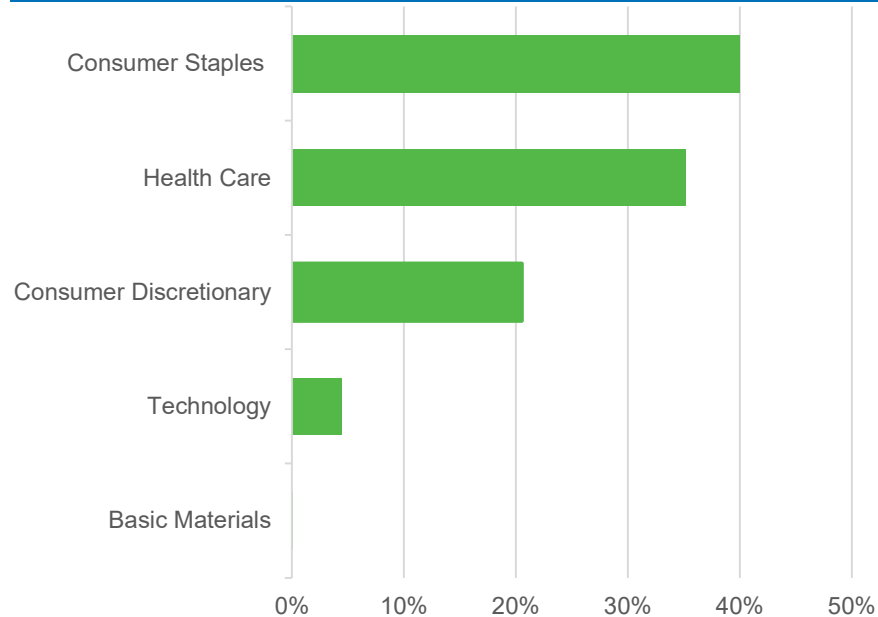
STOXX Global Pet Care Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Pet Care Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|-----------------------|--|-------------|------------|
| ZOETIS 'A' | Health Care | USA | 8.28 |
| Merck & Co. Inc. | Health Care | USA | 8.27 |
| NESTLE | Food, Beverage and Tobacco | Switzerland | 7.95 |
| Colgate-Palmolive Co. | Personal Care, Drug and Grocery Stores | USA | 7.87 |
| IDEXX LABORATORIES | Health Care | USA | 4.95 |
| Uni-Charm Corp. | Personal Care, Drug and Grocery Stores | Japan | 4.58 |
| CHEWY A | Retail | USA | 4.57 |
| General Mills Inc. | Food, Beverage and Tobacco | USA | 4.43 |
| COVETRUS | Technology | USA | 4.42 |
| J.M. Smucker Co. | Food, Beverage and Tobacco | USA | 4.35 |

1) Source: Qontigo. Data as of Jun 30, 2021.

Appendix

Sustainability

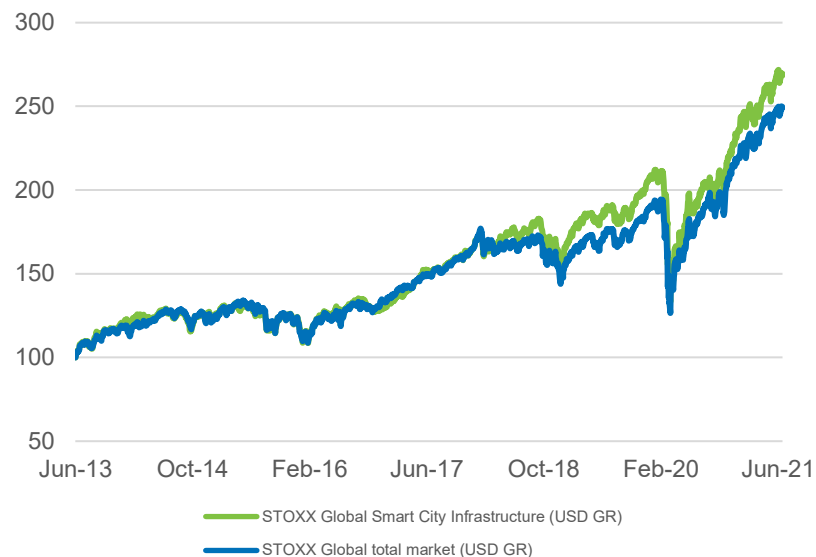
STOXX Global Smart City Infrastructure Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Smart City Infrastructure | STOXX Global total market |
|------------------------------|--|---------------------------|
| Perf. overall (annualized) | 13.31% | 12.23% |
| Perf. (1Y) | 42.90% | 42.42% |
| Perf. (3Y) (annualized) | 16.21% | 15.00% |
| Perf. (5Y) (annualized) | 16.67% | 15.05% |
| Vol. overall (annualized) | 14.13% | 13.93% |
| Volatility (1Y) (annualized) | 12.86% | 12.44% |
| Volatility (3Y) (annualized) | 18.45% | 18.46% |
| Volatility (5Y) (annualized) | 15.11% | 15.15% |
| Sharpe ratio (Overall) | 0.90 | 0.84 |
| Sharpe ratio (5Y) | 1.02 | 0.93 |
| Tracking error (Overall) | 5.59% | |
| Tracking error (5Y) | 5.51% | |
| Dividend yield (Overall) | 5.32% | 4.55% |
| Maximum drawdown | 37.18% | 34.83% |
| Constituents | 181 | 10044 |

Performance



1) Source: Qontigo, daily data. Relative figures calculated against Benchmark

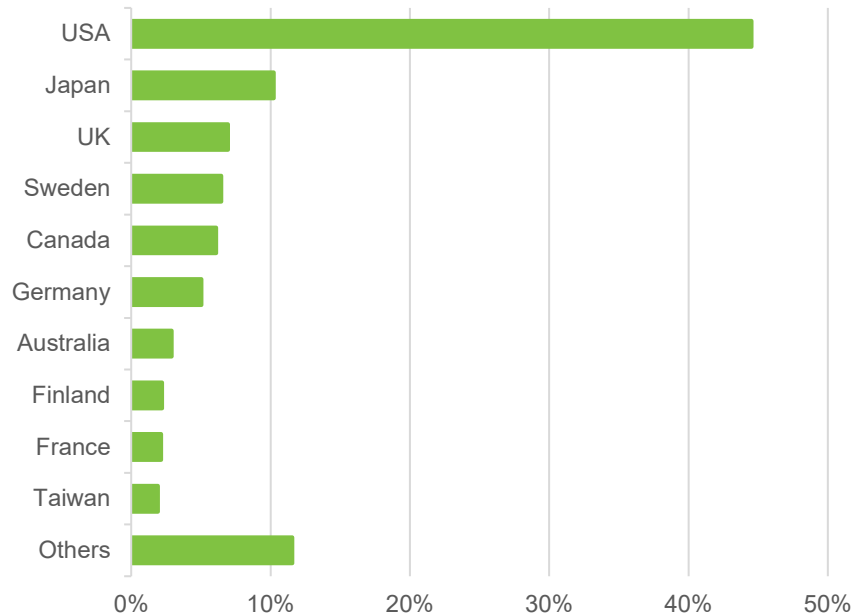
2) LIBOR used as a proxy for riskless returns

3) Qontigo Data Jun 24, 2013 – Jun 30, 2021

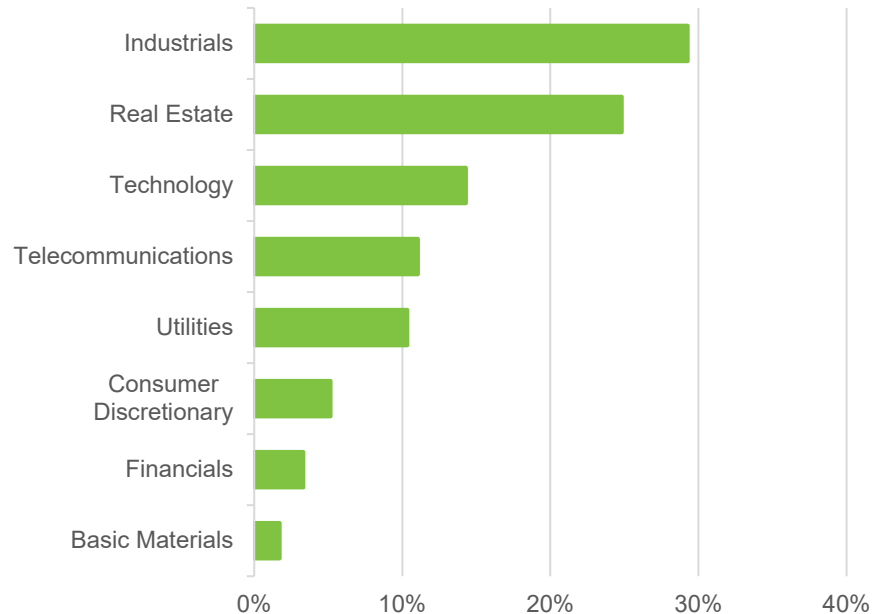
STOXX Global Smart City Infrastructure Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Smart City Infrastructure Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|-----------------------|--------------------------------|---------|------------|
| NEC Corp. | Technology | Japan | 0.81 |
| MONOLITHIC PWR.SYS. | Technology | USA | 0.81 |
| LYFT A | Consumer Products and Services | USA | 0.81 |
| RINGCENTRAL | Technology | USA | 0.81 |
| BAYCURRENT CONSULTING | Technology | Japan | 0.80 |
| TYLER TECHNOLOGIES | Technology | USA | 0.79 |
| Qualcomm Inc. | Technology | USA | 0.79 |
| TOPBUILD | Construction and Materials | USA | 0.78 |
| AZBIL CORP. | Industrial Goods and Services | Japan | 0.77 |
| FORTINET | Technology | USA | 0.77 |

1) Source: Qontigo. Data as of Jun 30, 2021.

Appendix

Future Technology

STOXX Global Industry 4.0 Index

Industry 4.0 – At a Glance

Additive manufacturing is poised to grow at a rate of 15.0% CAGR between 2015 – 2025, with Aerospace, Automotive and Medical industries expected to account for 51% of the 3D printing market¹⁾.

15%

The smart factory market is projected to be valued at \$ 205.42 billion by 2022, reflecting a Compound Annual Growth Rate, CAGR, of 9.3%, between 2017 and 2022³⁾.

9.3%



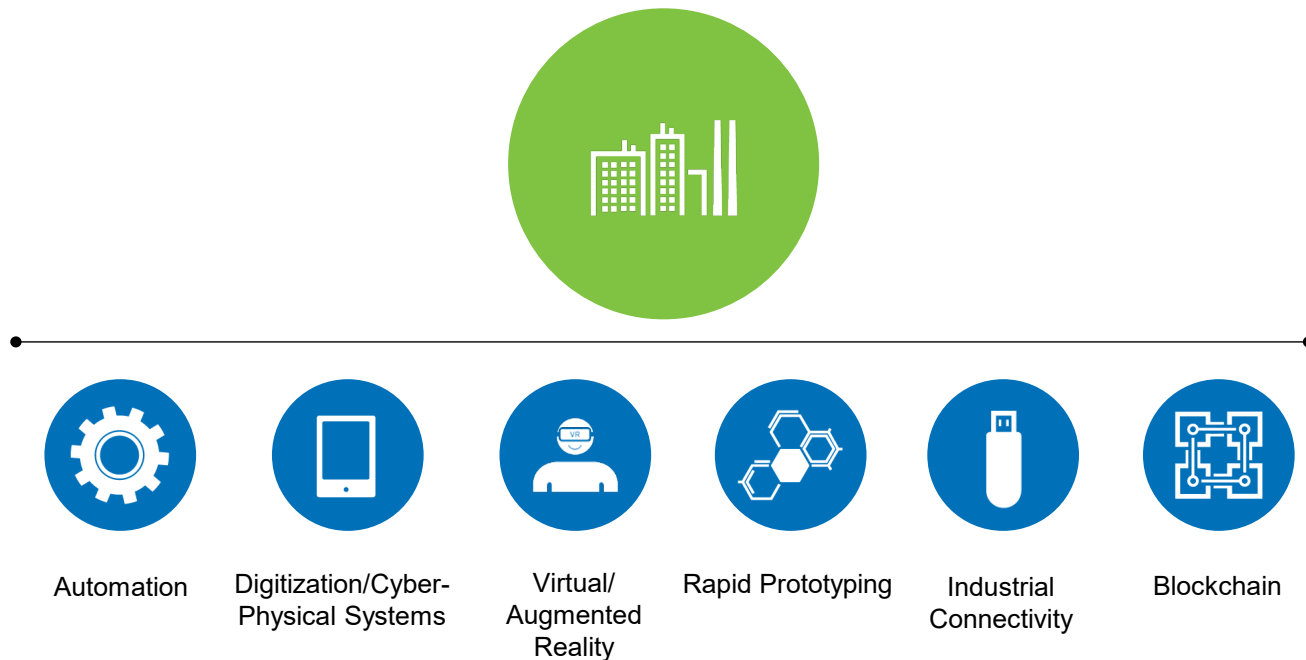
\$75b

The industrial robotics market (including the prices of peripherals, software, and system engineering) is projected to grow from USD 42.2 billion in 2021 to reach USD 75.3 billion by 2026²⁾.

- 1) Frost and Sullivan, http://namic.sg/wp-content/uploads/2018/04/global-additive-manufacturing-market_1.pdf
- 2) Markets and Markets, <https://www.marketsandmarkets.com/Market-Reports/Industrial-Robotics-Market-643.html>
- 3) Markets and Markets, <https://www.marketsandmarkets.com/PressReleases/smart-factory.asp>

Themes (1)

Industry 4.0



Themes (2)



Automation

Industrial/ Manufacturing Automation involves everything from self-driving trucks, to supply-chain management software. Industrial automation has the ability to pack and ship items using advanced technology



Digitization/ Cyber-Physical Systems

BCG analysis found that use of AI can reduce producers' conversion costs by up to 20%¹⁾ In manufacturing, improvements and efficiencies in the analysis of big data are expected to bring millions of dollar to this industry.



Virtual/ Augmented Reality

Augmented-reality-based systems support a variety of services, such as selecting parts in a warehouse and sending repair instructions over mobile devices.



Rapid Prototyping

With Industry 4.0, additive-manufacturing methods are expected to be widely used to produce small batches of customized products that offer construction advantages, such as complex, lightweight designs.



Industrial Connectivity

By 2025, 100 billion connections – 90 per cent from intelligent sensors in machines of all kinds – will link the globe as a direct result of information and communication technologies (ICT)²⁾.



Blockchain

Blockchain enables the creation of smart contracts, with terms and conditions both sides can specify and that assures trust in the enforceability of the contract and the identity of the counterparty.

1) The Boston Consulting Group, http://image-src.bcg.com/Images/BCG-AI-in-the-Factory-of-the-Future-Apr-2018_tcm9-188726.pdf
2) BBC, <http://www.bbc.com/future/bspoke/specials/connected-world/industry-4-0.html>

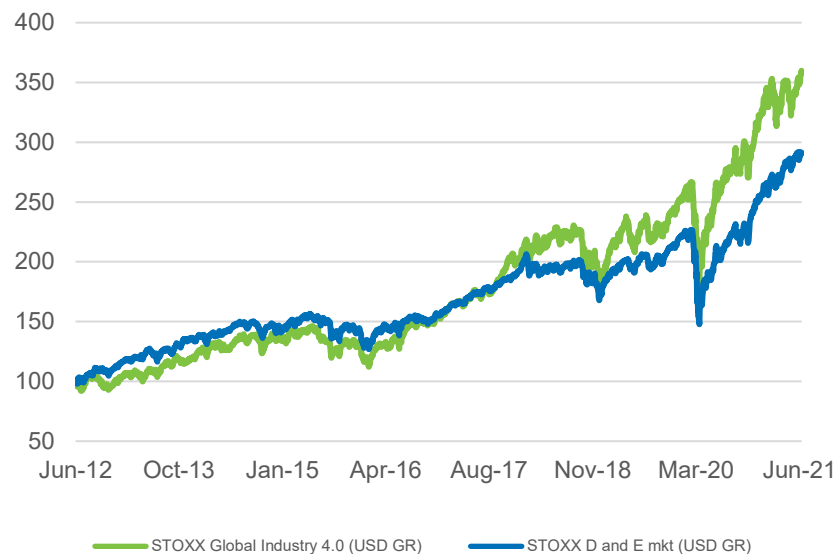
STOXX Global Industry 4.0 Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Industry 4.0 | STOXX Developed and Emerging Markets Total Market |
|------------------------------|---------------------------|---|
| Perf. overall (annualized) | 15.37% | 12.73% |
| Perf. (1Y) | 36.47% | 42.46% |
| Perf. (3Y) (annualized) | 18.39% | 15.04% |
| Perf. (5Y) (annualized) | 22.04% | 15.08% |
| Vol. overall (annualized) | 18.18% | 13.69% |
| Volatility (1Y) (annualized) | 18.94% | 12.45% |
| Volatility (3Y) (annualized) | 23.63% | 18.47% |
| Volatility (5Y) (annualized) | 19.65% | 15.16% |
| Sharpe ratio (Overall) | 0.84 | 0.89 |
| Sharpe ratio (5Y) | 1.05 | 0.93 |
| Tracking error (Overall) | 9.20% | |
| Tracking error (5Y) | 8.96% | |
| Dividend yield (Overall) | 4.39% | 5.09% |
| Maximum drawdown | 31.62% | 34.84% |
| Constituents | 225 | 9821 |

Performance



1) Source: Qontigo, daily data. Relative figures calculated against Benchmark

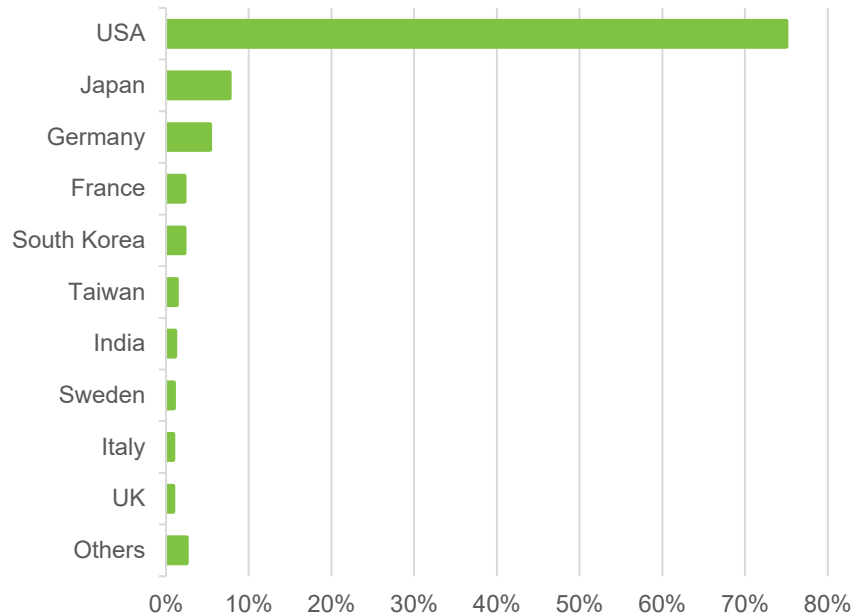
2) LIBOR used as a proxy for riskless returns

3) Qontigo Data Jun 18, 2012 – Jun 30, 2021

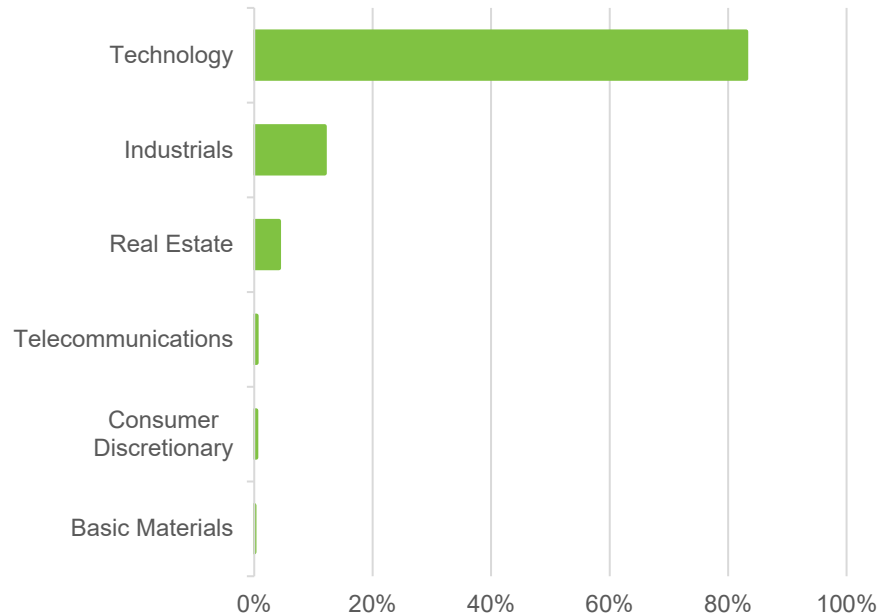
STOXX Global Industry 4.0 Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



¹⁾ Source: Qontigo. Data as of Jun 30, 2021.

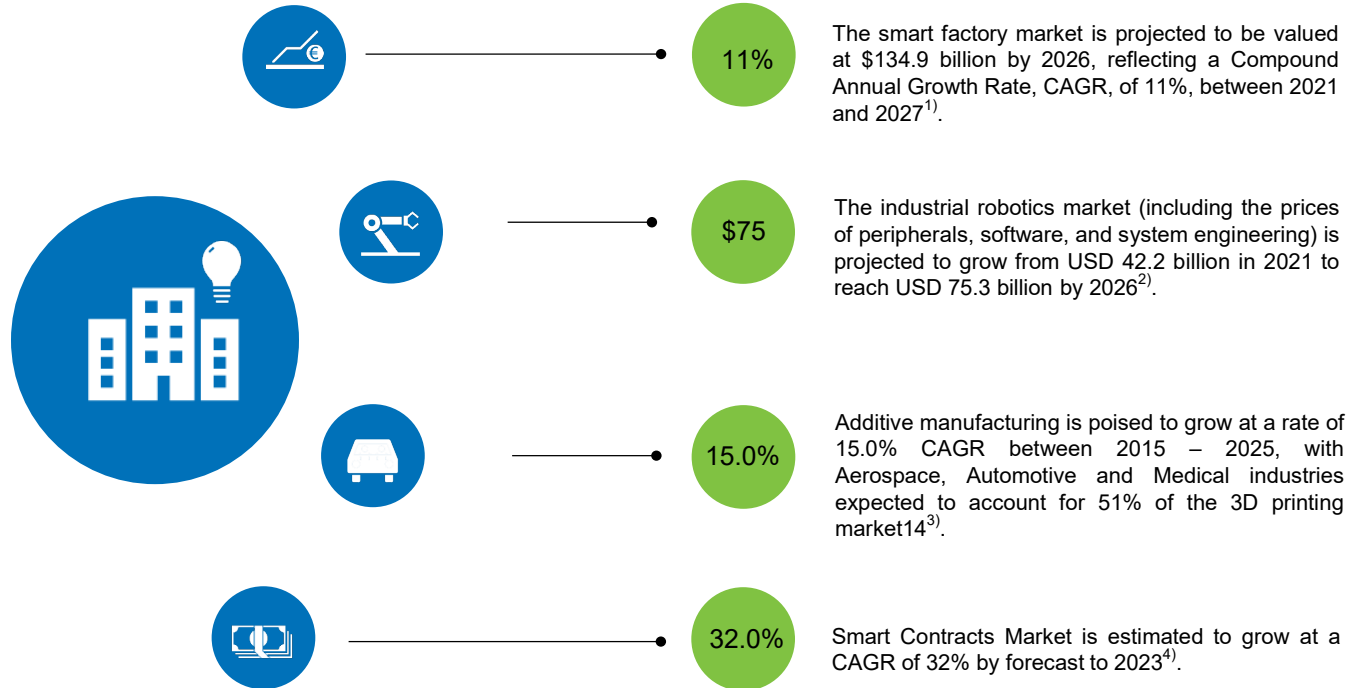
STOXX Global Industry 4.0 Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|--------------------------------|-------------------------------|---------|------------|
| Intel Corp. | Technology | USA | 6.84 |
| Texas Instruments Inc. | Technology | USA | 5.29 |
| SAP | Technology | Germany | 4.87 |
| BROADCOM | Technology | USA | 4.51 |
| Qualcomm Inc. | Technology | USA | 4.06 |
| Accenture PLC CI A | Industrial Goods and Services | USA | 3.93 |
| International Business Machine | Technology | USA | 3.81 |
| SERVICENOW | Technology | USA | 3.47 |
| Keyence Corp. | Industrial Goods and Services | Japan | 3.10 |
| Micron Technology Inc. | Technology | USA | 2.51 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Smart Factory Index

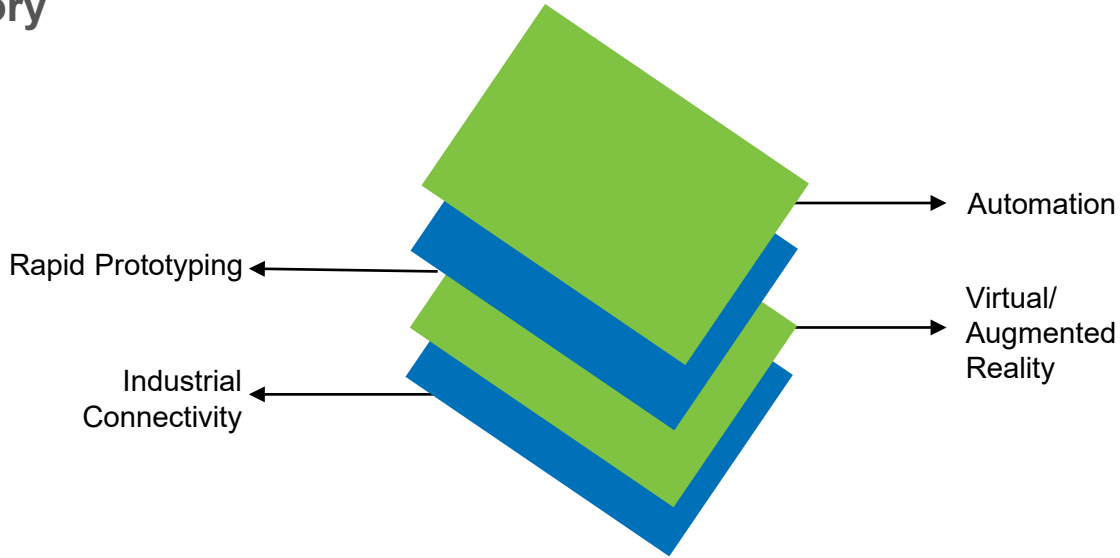
Smart Factory – At a Glance



- 1) Markets and Markets, <https://www.marketsandmarkets.com/Market-Reports/smart-factory-market-1227.html>
2) Markets and Markets, <https://www.marketsandmarkets.com/Market-Reports/Industrial-Robotics-Market-643.html>
3) Frost and Sullivan, http://namic.sg/wp-content/uploads/2018/04/global-additive-manufacturing-market_1.pdf
4) Reuters, <https://www.reuters.com/brandfeatures/venture-capital/article?id=33313>

Themes (1)

Smart Factory



STOXX views the “Smart Factory” trend as the sub-part of Industry 4.0 that focuses on the automation of the manufacturing process, detached from the total group of technologies that are driving the 4th industrial revolution, but may have broader applications.

The companies examined in this field, combine physical production and operations with smart digital technology, machine learning and big data to create a more holistic and well-connected ecosystem for companies that focus on manufacturing and supply chain management.

Themes (2)

Smart Factory



Automation

Industrial/ Manufacturing Automation involves everything from self-driving trucks, to supply-chain management software. Industrial automation has the ability to pack and ship items using advanced technology termed as 'Smart Manufacturing'.



Rapid Prototyping

With Industry 4.0, additive-manufacturing methods are expected to be widely used to produce small batches of customized products that offer construction advantages, such as complex, lightweight designs.



Industrial Connectivity

By 2025, 100 billion connections – 90 per cent from intelligent sensors in machines of all kinds – will link the globe as a direct result of information and communication technologies (ICT)¹⁾



Virtual/ Augmented Reality

Augmented-reality-based systems support a variety of services, such as selecting parts in a warehouse and sending repair instructions over mobile devices.

1) BBC, <http://www.bbc.com/future/bespoke/specials/connected-world/industry-4-0.html>

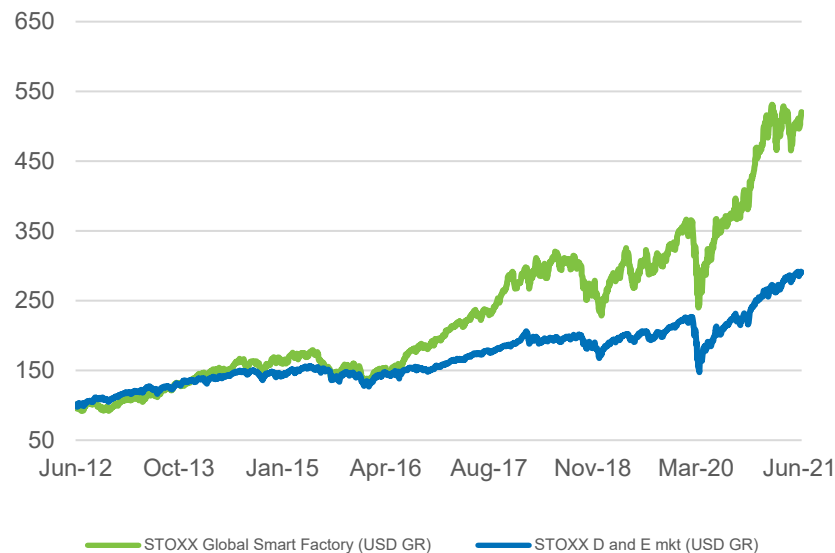
STOXX Global Smart Factory Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Smart Factory | STOXX Developed and Emerging Markets Total Market |
|------------------------------|----------------------------|---|
| Perf. overall (annualized) | 20.33% | 12.73% |
| Perf. (1Y) | 46.00% | 42.46% |
| Perf. (3Y) (annualized) | 20.71% | 15.04% |
| Perf. (5Y) (annualized) | 27.73% | 15.08% |
| Vol. overall (annualized) | 21.48% | 13.69% |
| Volatility (1Y) (annualized) | 22.60% | 12.45% |
| Volatility (3Y) (annualized) | 28.32% | 18.47% |
| Volatility (5Y) (annualized) | 23.85% | 15.16% |
| Sharpe ratio (Overall) | 0.94 | 0.89 |
| Sharpe ratio (5Y) | 1.10 | 0.93 |
| Tracking error (Overall) | 12.82% | |
| Tracking error (5Y) | 13.78% | |
| Dividend Yield (Overall) | 6.02% | 5.09% |
| Maximum drawdown | 34.36% | 34.84% |
| Constituents | 87 | 9821 |

Performance

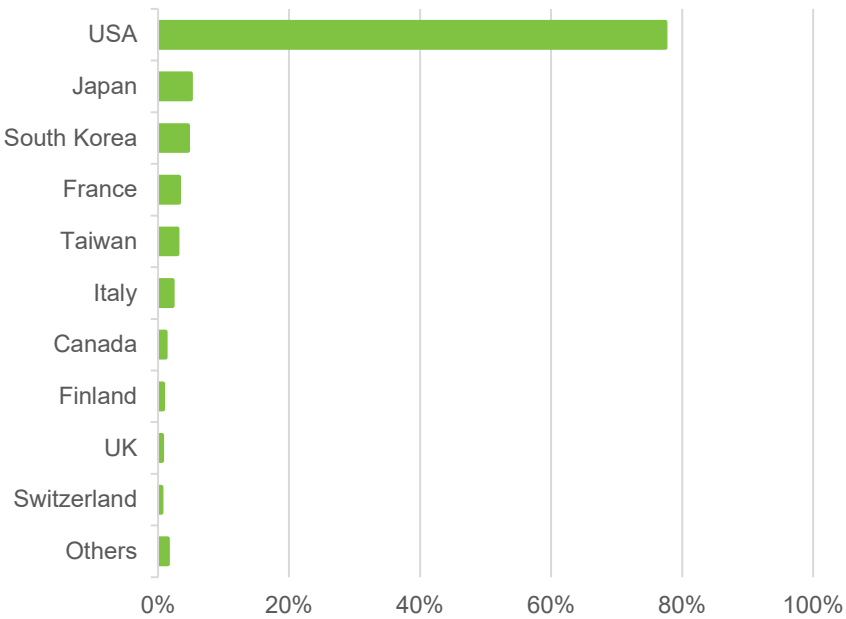


- 1) Source: Qontigo, daily data. Relative figures calculated against Benchmark
- 2) LIBOR used as a proxy for riskless returns
- 3) Qontigo Data Jun 18, 2012 – Jun 30, 2021

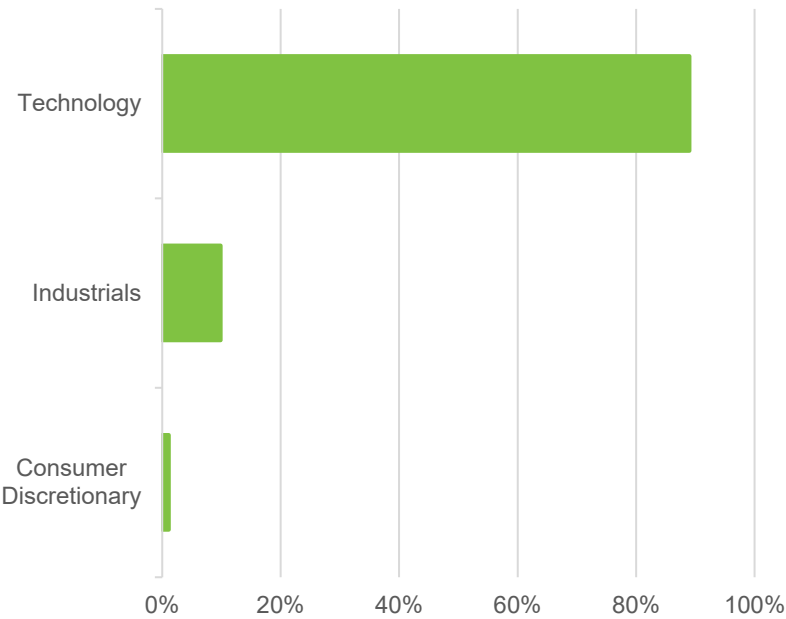
STOXX Global Smart Factory Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Smart Factory Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|---------------------------|-------------------------------|-------------|------------|
| Qualcomm Inc. | Technology | USA | 8.27 |
| Texas Instruments Inc. | Technology | USA | 7.94 |
| BROADCOM | Technology | USA | 7.90 |
| Intel Corp. | Technology | USA | 7.60 |
| Micron Technology Inc. | Technology | USA | 4.68 |
| Autodesk Inc. | Technology | USA | 4.59 |
| Analog Devices Inc. | Technology | USA | 4.49 |
| SK HYNIX INC | Technology | South Korea | 4.49 |
| Microchip Technology Inc. | Technology | USA | 3.83 |
| Fanuc Ltd. | Industrial Goods and Services | Japan | 3.69 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Artificial Intelligence Index

A Megatrend and the Key Investment Opportunity

Artificial Intelligence

Current State: As of end 2017¹⁾

- > There is a gap between R&D investments in AI and commercial applications.
- > This is a typical sign of early technology development curves.
- > AI has the potential to accelerate shifts in market share, revenue, and profit pools – these are characteristics of digitally disrupted sectors.

Future State: Forecast for 2035²⁾

- > By 2035 AI technologies have the potential to increase productivity by 40% or more.
- > AI will increase economic growth by an average of 1.7% across 16 industries by 2035.
- > Top 3 Industries: Information and **Communication**, **Manufacturing** and **Financial Services** are expected to gain the **highest economic growth** in 2035 from AI's benefits.
- > AI will have the most **positive effect on Education, Accommodation and Food Services and Construction** sectors' profitability in 2035.

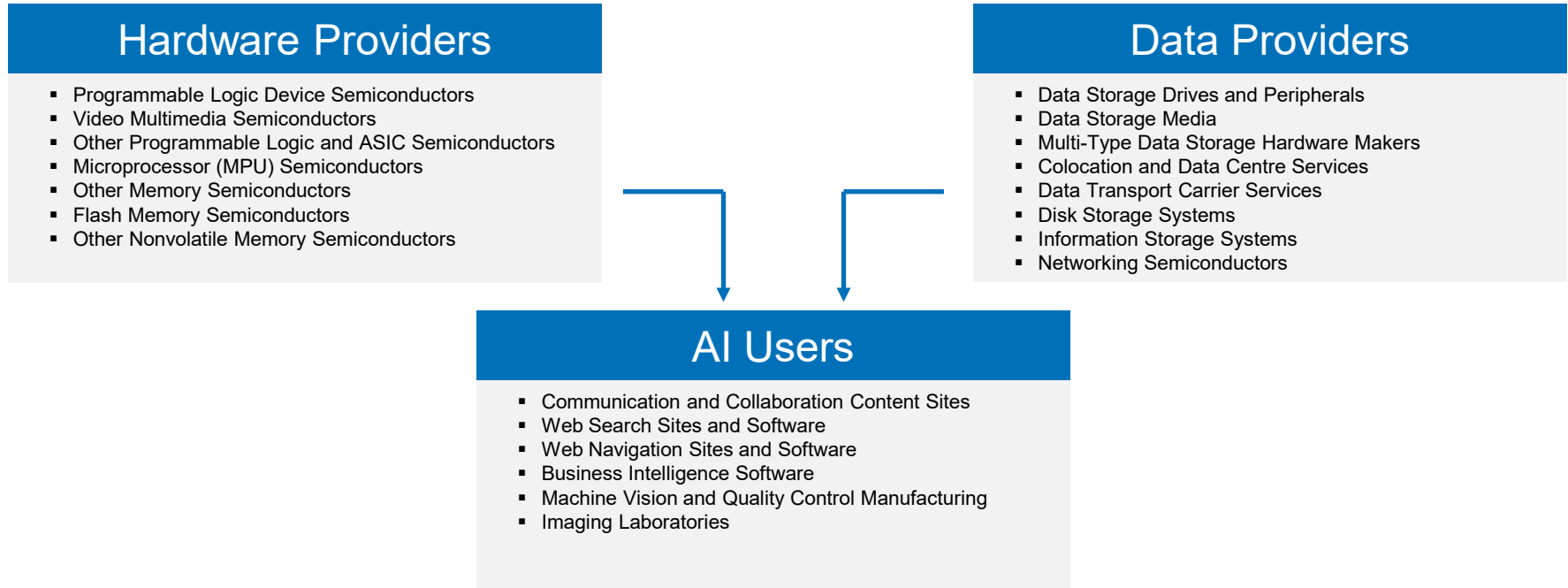
AI is expected to drive economic growth and the profitability of entire industries.

1) "Artificial Intelligence: The Next Digital Frontier", Discussion paper by Jacques Bughin et al., McKinsey Global Institute, Jun. 2017.

2) "AI is the Future of Growth", by Mark Purdy and Paul Daugherty, Accenture, 2016.

Identifying the Relevant Sectors

Artificial Intelligence



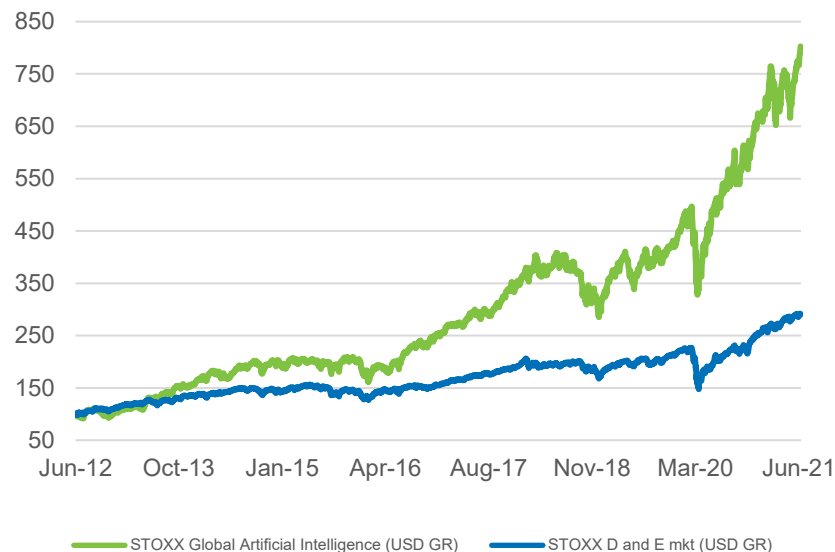
STOXX Global Artificial Intelligence Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Artificial Intelligence | STOXX Developed and Emerging Markets Total Market |
|------------------------------|--------------------------------------|---|
| Perf. overall (annualized) | 26.33% | 12.73% |
| Perf. (1Y) | 58.56% | 42.46% |
| Perf. (3Y) (annualized) | 28.20% | 15.04% |
| Perf. (5Y) (annualized) | 32.80% | 15.08% |
| Vol. overall (annualized) | 23.11% | 13.69% |
| Volatility (1Y) (annualized) | 25.12% | 12.45% |
| Volatility (3Y) (annualized) | 30.27% | 18.47% |
| Volatility (5Y) (annualized) | 25.56% | 15.16% |
| Sharpe ratio (Overall) | 1.10 | 0.89 |
| Sharpe ratio (5Y) | 1.19 | 0.93 |
| Tracking error (Overall) | 14.77% | |
| Tracking error (5Y) | 15.91% | |
| Dividend yield (Overall) | 6.38% | 5.09% |
| Maximum drawdown | 33.94% | 34.84% |
| Constituents | 58 | 9821 |

Performance



1) Source: Qontigo, daily data. Relative figures calculated against Benchmark

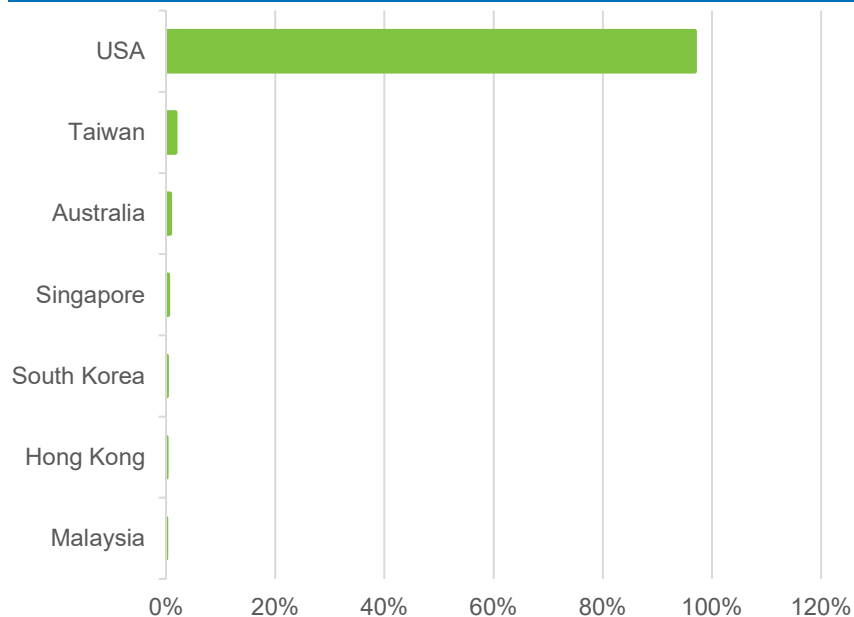
2) LIBOR used as a proxy for riskless returns

3) Qontigo Data Jun 18, 2012 – Jun 30, 2021

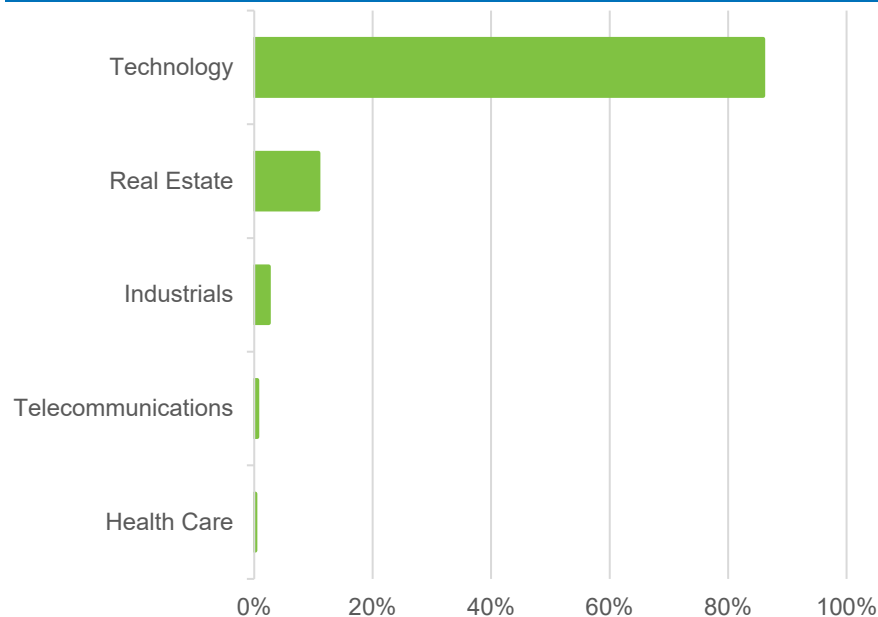
STOXX Global Artificial Intelligence Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Artificial Intelligence Index – Top 10 Constituents

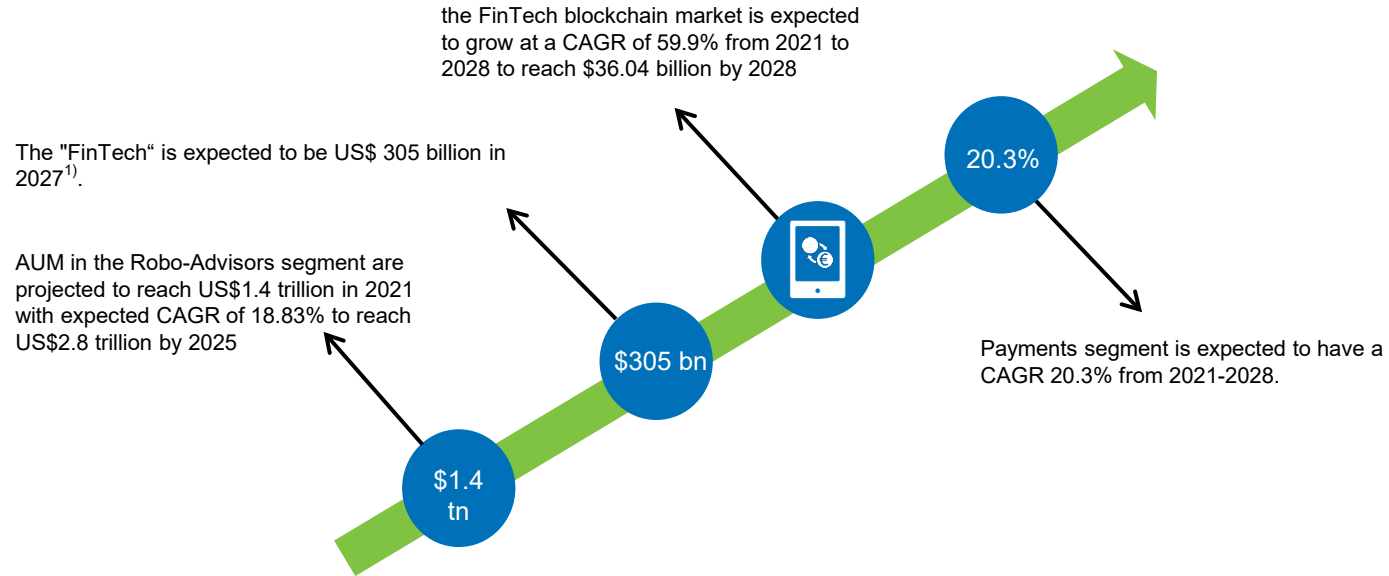
| Name | Supersector | Country | Weight (%) |
|------------------------|-------------|---------|------------|
| NVIDIA Corp. | Technology | USA | 8.79 |
| FACEBOOK CLASS A | Technology | USA | 8.00 |
| ALPHABET CLASS C | Technology | USA | 7.61 |
| Intel Corp. | Technology | USA | 7.49 |
| PINTEREST A | Technology | USA | 4.98 |
| ADVANCED MICRO DEVICES | Technology | USA | 4.96 |
| TWITTER | Technology | USA | 4.91 |
| Xilinx Inc. | Technology | USA | 4.83 |
| MARVELL TECHNOLOGY | Technology | USA | 4.26 |
| Equinix Inc. | Real Estate | USA | 4.20 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Fintech Index

Overview

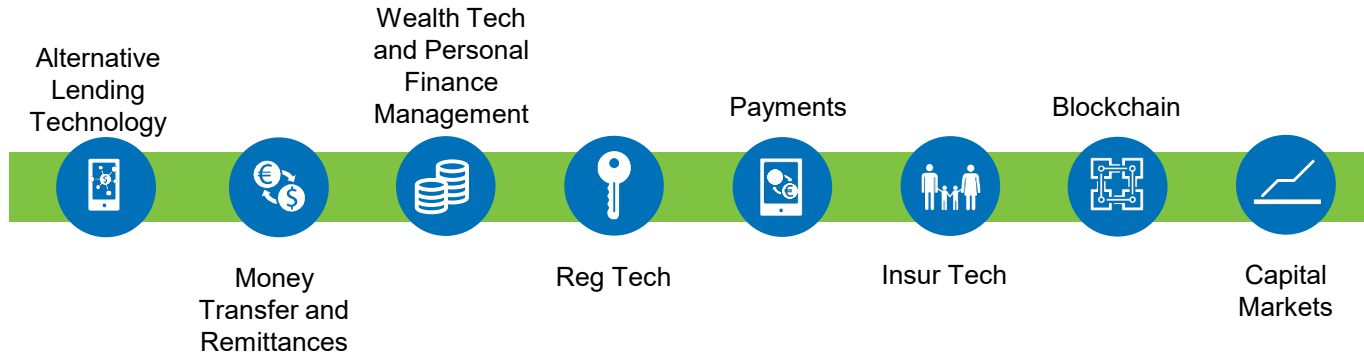
The Fintech Innovation



1) Market Data Forecast : <https://www.marketdataforecast.com/market-reports/fintech-market>

Themes (1)

Fintech



Themes (2)

Fintech



Money Transfer and Remittances

The use of technology has made remittances extremely cost-effective. The proportion of cross-border B2B transfer values is expected to grow from 7.5% in 2017 to 13.3% by 2022



Reg Tech

The Global Governance, Compliance and Risk Software Market is estimated to reach \$52.5 billion by 2025, growing at a CAGR of 12.8% from 2020 to 2025



Insur Tech

A strong need to replace slow and manual insurance industry processes has led to approximately \$2.13 bn investment in global insurance tech companies in 2017



Capital Markets

Fintech activity within the capital market infrastructure has grown by almost 300% since 2010. Capital market FinTechs are providing aid by building capabilities to improve existing client relationships and experiences, streamlining front-to-back costs, and optimizing regulatory compliance through advance analytics



Alternative Lending Technology

Total transaction value in alternative lending technology is expected to show an annual growth rate (CAGR 2018-2022) of 18.1%



WealthTech & Personal Finance Mgmt

AUM in the Robo-Advisors segment are projected to reach US\$1.4 trillion in 2021 with expected CAGR of 18.83% to reach US\$2.8 trillion by 2025.



Payments

Key drivers: financial inclusion, smartphone/internet penetration, cashless and emergence of attractive digital payment solutions powered by the advent of Fintech



Blockchain

Blockchain technology is expected to source future financial market innovation and help lower the worldwide cost of cross-border payments

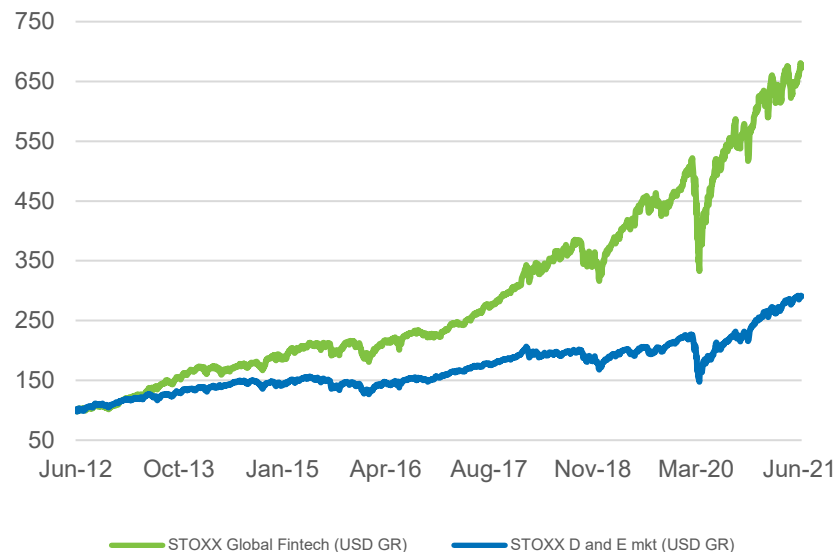
STOXX Global Fintech Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Fintech | STOXX Developed and Emerging Markets Total Market |
|------------------------------|----------------------|---|
| Perf. overall (annualized) | 23.85% | 12.73% |
| Perf. (1Y) | 31.89% | 42.46% |
| Perf. (3Y) (annualized) | 24.00% | 15.04% |
| Perf. (5Y) (annualized) | 26.30% | 15.08% |
| Vol. overall (annualized) | 18.16% | 13.69% |
| Volatility (1Y) (annualized) | 17.92% | 12.45% |
| Volatility (3Y) (annualized) | 24.96% | 18.47% |
| Volatility (5Y) (annualized) | 20.47% | 15.16% |
| Sharpe ratio (Overall) | 1.23 | 0.89 |
| Sharpe ratio (5Y) | 1.19 | 0.93 |
| Tracking error (Overall) | 8.73% | |
| Tracking error (5Y) | 9.42% | |
| Dividend yield (Overall) | 5.91% | 5.09% |
| Maximum drawdown | 36.21% | 34.84% |
| Constituents | 168 | 9821 |

Performance



1) Source: Qontigo, daily data. Relative figures calculated against Benchmark

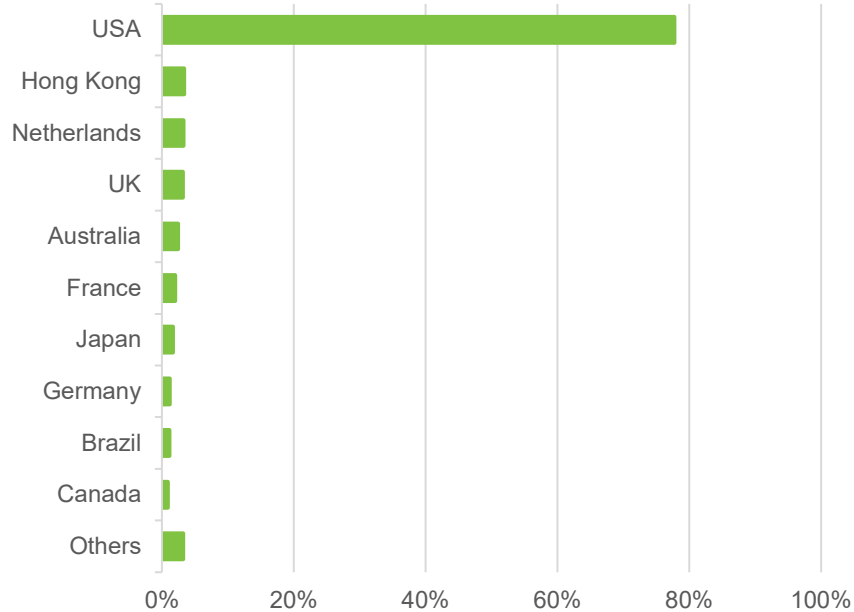
2) LIBOR used as a proxy for riskless returns

3) Qontigo Data Jun 18, 2012 – Jun 30, 2021

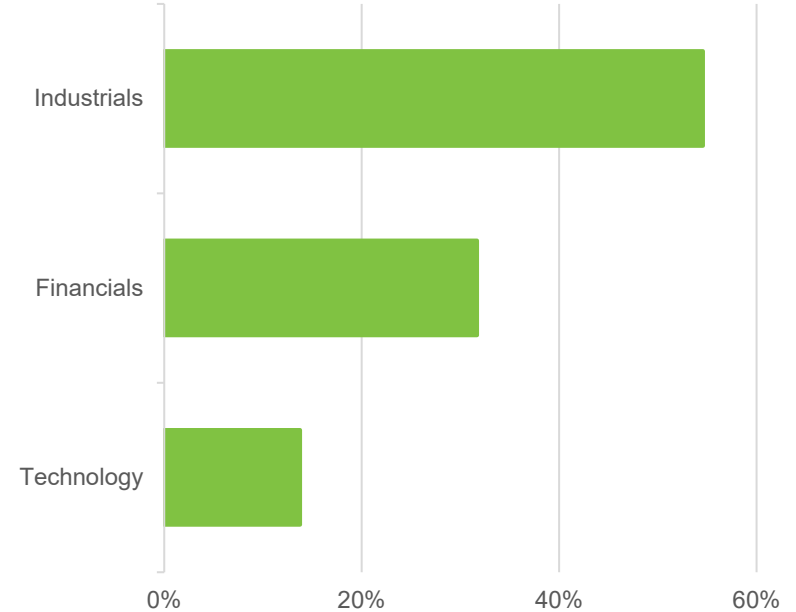
STOXX Global Fintech Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



¹⁾ Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Fintech Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|--------------------------------|-------------------------------|-------------|------------|
| PayPal Holdings | Industrial Goods and Services | USA | 8.40 |
| MasterCard Inc. CI A | Industrial Goods and Services | USA | 7.78 |
| VISA Inc. CI A | Industrial Goods and Services | USA | 7.76 |
| S&P GLOBAL | Financial Services | USA | 4.62 |
| SQUARE CL.A | Industrial Goods and Services | USA | 4.42 |
| Fidelity National Information | Industrial Goods and Services | USA | 3.63 |
| CME Group Inc. CI A | Financial Services | USA | 3.57 |
| Hong Kong Exchanges & Clearing | Financial Services | Hong Kong | 3.32 |
| Intuit Inc. | Technology | USA | 3.31 |
| ADYEN | Industrial Goods and Services | Netherlands | 3.18 |

1) Source: Qontigo. Data as of Jun 30, 2021.

iSTOXX Developed Markets B.R.AI.N. Index

Methodology

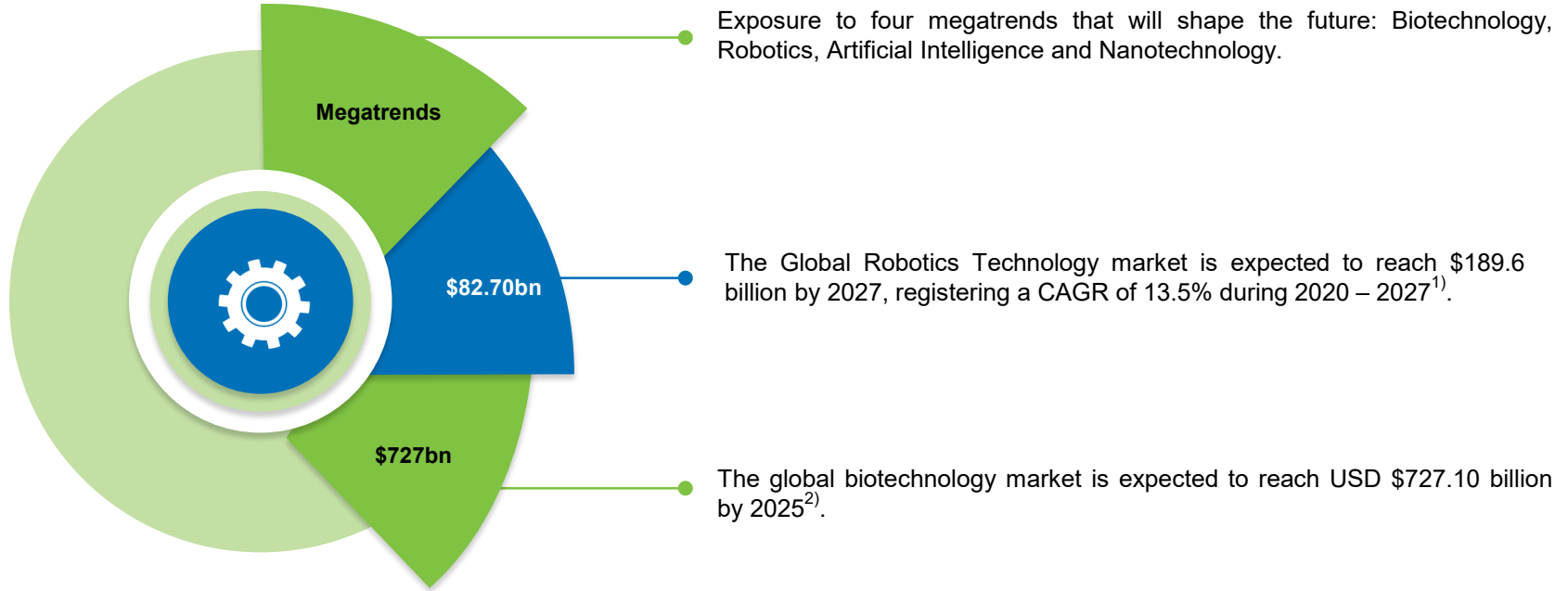
iSTOXX Developed Markets B.R.AI.N. Index



- STOXX Developed Markets Total Market Index
- Companies with 3m MDTV below € 1m are excluded
- Only companies with >50% aggregated revenue exposures to at least one of the four thematic sector lists are eligible
- Within each of the 4 thematic baskets, stocks are ranked based on their exposure to the corresponding theme
- The 20 stocks within each thematic basket with the highest exposure to the theme are eligible for selection
- If a company ranks in the top 20 in more than one themes, then that company is considered eligible for selection only once
- By definition due to the overlap of the themes (common sectors between 2+ themes) the index will have a variable number of components (maximum 80)
- The index is weighted according to free-float market cap times exposure¹⁾
- Additional caps:
 - Maximum 8% at a component level
 - The sum of all weights above 4.5% should not exceed 35%
- The index is reviewed annually, rebalanced quarterly

1) Exposure to all the B.R.AI.N. themes

Combining Megatrends



1) Allied Market Research, <https://www.alliedmarketresearch.com/robotics-technology-market>

2) <https://www.grandviewresearch.com/press-release/global-biotechnology-market>

Themes: Biotechnology



Medical Biotechnology

Red biotechnology is the application of biotechnology in biopharmaceuticals and pharmaceuticals production was valued at USD 320.76 billion in 2019 and is projected to reach \$510 billion by 2027¹⁾.

- Biopharmaceutical companies



Bio services

Bioservices relate to the services that aid the discovery, development and manufacture of biotechnology products/technologies. These companies provide support services to the biotechnology sector (e.g. storage facilities for biological products, contract manufacturing etc)

- Molecular Diagnostic Devices
- Biological Product Storage Laboratories
- Genetic Test Kit Providers



Agribiotech

Agricultural biotechnology market is forecasted to attain a value of \$55.5 bn by 2023, growing at a CAGR of 10.1% during 2017-2023²⁾.

- Bio fertilizer and biopesticide providers
- Genetically modified food crops providers, seed producers



Biotechnology applications

Global Biofuel market was valued at \$168 bn in 2016 and is expected to reach \$218.7 bn in 2022 at a grow rate of 4.5% (CAGR)³⁾. The global Bioinformatics market is forecasted to grow at a CAGR of 19.37% from 2018 to 2026⁴⁾.

- Biofuel providers.
- Bioinformatic companies
- Biomaterial manufacturers

1) <https://www.marketwatch.com/story/red-biotechnology-market---size-share-trends-and-global-forecast-to-2027-precedence-research-2021-05-24?siteid=bigcharts&dist=bigcharts>

2) <https://www.psmarketresearch.com/press-release/agricultural-biotechnology-market>

3) <https://globenewswire.com/news-release/2018/01/09/1285912/0/en/Biofuels-Market-Size-Will-Reach-USD-218-7-Billion-by-2022-Globally-Zion-Market-Research.html>

4) <https://www.giiresearch.com/report/ink523671-global-bioinformatics-market-forecast.html>

Themes: Robotics



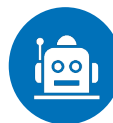
Industrial Robots

The industrial robotics market (including the prices of peripherals, software, and system engineering) is projected to grow from USD 42.2 billion in 2021 to reach USD 75.3 billion by 2026¹⁾.



Unmanned Aerial Vehicles/ Drones

The UAV market is estimated to be \$ 20.71 bn in 2018 and is projected to reach \$ 52.30 bn by 2025, at a CAGR of 14.15% from 2018 to 2025. Within this segment, the military drone market is expected to be worth over \$13bn by 2024³⁾.



Industrial Robots

- Consumer robot market is projected to witness a CAGR of 22.35% during the forecast period to reach a total market size of \$14.9 billion by 2023, increasing from \$5.4 billion in 2018²⁾.
- It is expected that the global Surgical Robotics Market will be valued at \$12.6 bn in 2025.



Autonomous Transport

The global autonomous vehicles market revenue is expected to grow at a CAGR of 39.6% during the forecast period 2017-2027 reaching \$126.8 bn by 2027⁴⁾.

1) Markets and Markets, <https://www.marketsandmarkets.com/Market-Reports/Industrial-Robotics-Market-643.html>

2) PR Newswire, <https://www.prnewswire.com/news-releases/global-consumer-robot-market-2017-2023-market-to-grow-at-a-cagr-of-2235-to-reach-1491-billion---key-players-are-irobot-jibo-3d-robotics-honda-bossa-nova-robotics-dji-and-softbank-300573167.html>

3) Aerospace and Defence News, <http://www.asdnews.com/news/defense/2018/03/02/unmanned-aerial-vehicle-uav-market-worth-5230-bn-2025>

4) PR Newswire, <https://www.prnewswire.com/news-releases/1268-billion-autonomous-vehicle-market-global-drivers-restraints-opportunities-trends-and-forecasts-2017-2023-300486159.html>

Themes: Artificial Intelligence



AI Users

- Companies investing heavily in AI research and/or applications
- Companies with access to interesting datasets/large user base
- Social networking/web advertising companies
- Business software providers
- Some automation specialists (e.g. machine vision)



Hardware Providers

- Providers of specialist hardware for artificial intelligence applications
- Graphics card manufacturers (graphics cards are especially useful for some AI applications as they are optimized for certain mathematical operations that are prevalent in AI)
- Overall chip and CPU manufacturers



Big Data Enablers

- Data storage providers for large datasets
- Online data storage allowing access from multiple locations
- Online storage providers
- Colocation providers (for financial applications)
- Data chip manufacturers

Themes: Nanotechnology



Nanomaterials

Nanomaterials are material having particles or constituents of nanoscale dimensions. The global nanomaterial market is projected to grow from \$4.75bn in 2017 to \$13.1bn by 2024¹⁾.

- Producers and suppliers of nanomaterials (nano-wires and tubes, nano-coatings etc)
- Intermediate users of nanomaterials

1) <https://www.inkwoodresearch.com/reports/global-nanomaterials-market-forecast/>

2) <https://www.mordorintelligence.com/industry-reports/internet-of-nano-things-market>



Internet of Nano Things (IoNT)

IoNT is a network of nanoscale devices, sensors and machines integrated into everyday physical objects that are connected to the internet for effective data communication. The IoNT market was valued at \$6.5bn in 2017 and is expected to reach \$22bn by 2023²⁾.

- Manufacturers of nanoscale devices
- Nano chip manufacturers
- Nano sensor and processor manufacturers

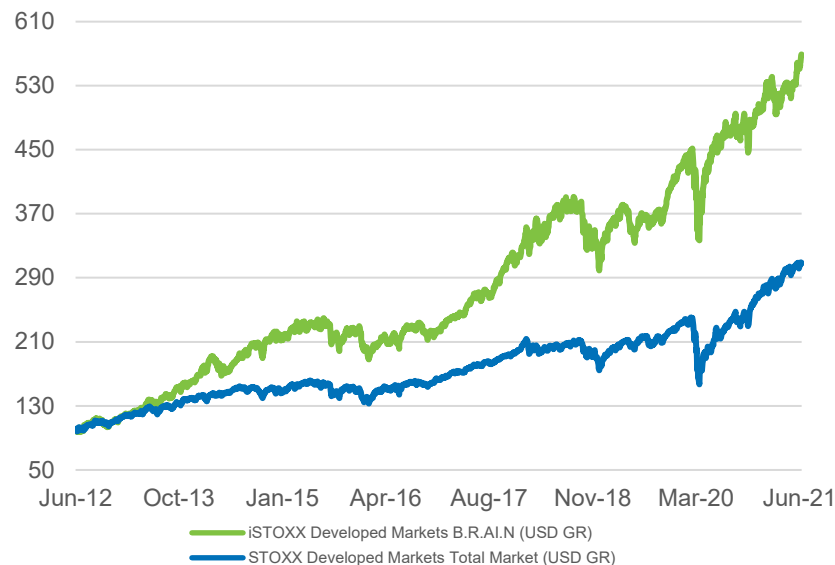
iSTOXX Developed Markets B.R.AI.N.

Risk and Return Overview

Risk and Return Characteristics

| | iSTOXX Developed Markets B.R.AI.N | STOXX Developed Markets Total Market |
|------------------------------|-----------------------------------|--------------------------------------|
| Perf. overall (annualized) | 21.54% | 13.46% |
| Perf. (1Y) | 23.87% | 41.59% |
| Perf. (3Y) (annualized) | 15.88% | 15.44% |
| Perf. (5Y) (annualized) | 21.98% | 15.45% |
| Vol. overall (annualized) | 18.15% | 14.16% |
| Volatility (1Y) (annualized) | 15.81% | 12.98% |
| Volatility (3Y) (annualized) | 21.57% | 19.23% |
| Volatility (5Y) (annualized) | 18.71% | 15.77% |
| Sharpe ratio (Overall) | 1.13 | 0.91 |
| Sharpe ratio (5Y) | 1.10 | 0.92 |
| Tracking error (Overall) | 10.31% | |
| Tracking error (5Y) | 9.73% | |
| Dividend yield (Overall) | 5.12% | 5.33% |
| Maximum drawdown | 25.47% | 34.62% |
| Constituents | 77 | 5988 |

Performance

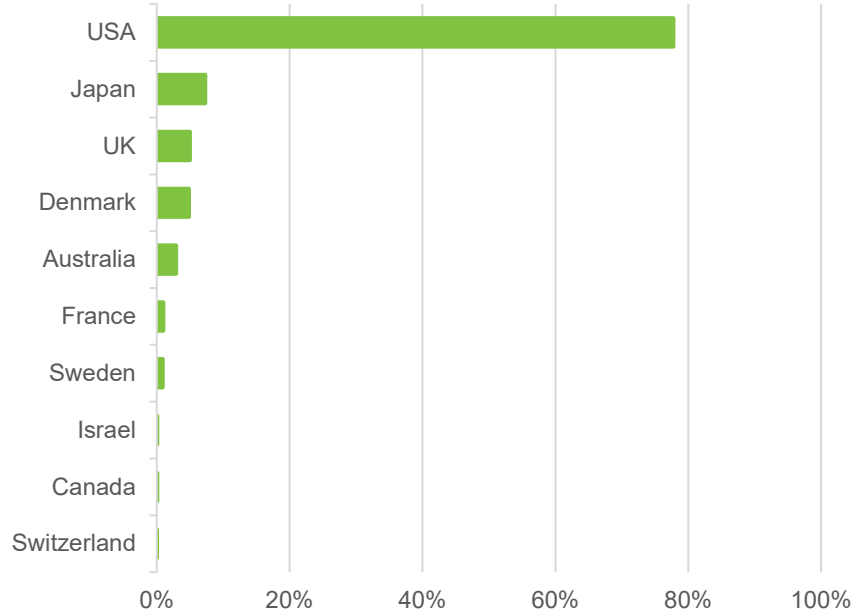


- 1) Source: Qontigo, daily data. Relative figures calculated against Benchmark
- 2) LIBOR used as a proxy for riskless returns
- 3) Qontigo Data Jun 18, 2012 – Jun 30, 2021

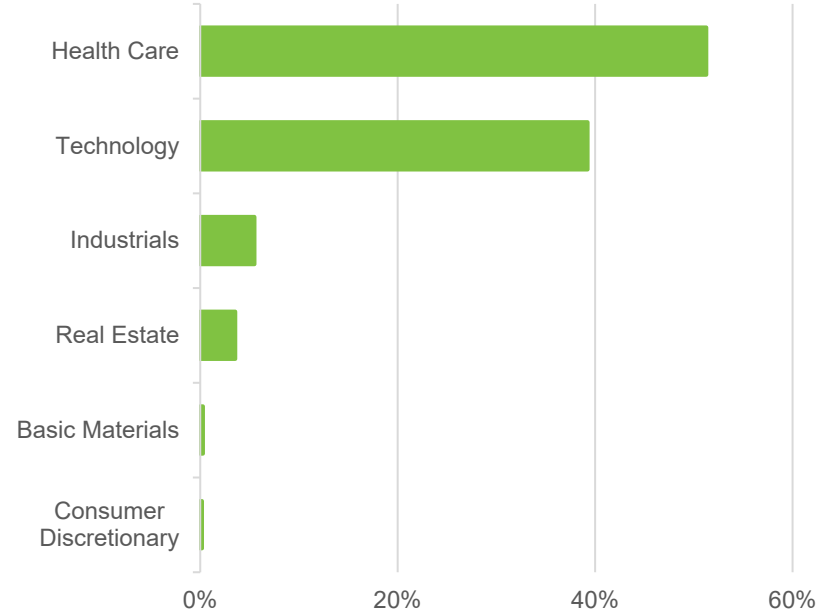
iSTOXX Developed Markets B.R.AI.N.

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



1) Source: Qontigo. Data as of Jun 30, 2021.

iSTOXX Developed Markets B.R.A.I.N. – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|--------------------------|-------------|---------|------------|
| NVIDIA Corp. | Technology | USA | 8.94 |
| FACEBOOK CLASS A | Technology | USA | 8.15 |
| Intel Corp. | Technology | USA | 6.44 |
| Eli Lilly & Co. | Health Care | USA | 5.63 |
| ASTRAZENECA | Health Care | UK | 4.56 |
| Bristol-Myers Squibb Co. | Health Care | USA | 4.32 |
| Amgen Inc. | Health Care | USA | 4.05 |
| NOVO NORDISK B | Health Care | Denmark | 4.02 |
| ADVANCED MICRO DEVICES | Technology | USA | 3.30 |
| Intuitive Surgical Inc. | Health Care | USA | 3.15 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Digitalization

STOXX Global Digitalization Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Digitalization | STOXX Global 1800 |
|------------------------------|-----------------------------|-------------------|
| Perf. overall (annualized) | 14.67% | 11.36% |
| Perf. (1Y) | 47.21% | 39.59% |
| Perf. (3Y) (annualized) | 19.95% | 15.73% |
| Perf. (5Y) (annualized) | 20.85% | 15.60% |
| Vol. overall (annualized) | 16.61% | 14.97% |
| Volatility (1Y) (annualized) | 18.51% | 12.76% |
| Volatility (3Y) (annualized) | 21.48% | 18.98% |
| Volatility (5Y) (annualized) | 17.70% | 15.58% |
| Sharpe ratio (Overall) | 0.87 | 0.75 |
| Sharpe ratio (5Y) | 1.10 | 0.94 |
| Tracking error (Overall) | 7.17% | |
| Tracking error (5Y) | 7.85% | |
| Dividend yield (Overall) | 3.30% | 5.06% |
| Maximum drawdown | 35.72% | 33.77% |
| Constituents | 210 | 1800 |

Performance

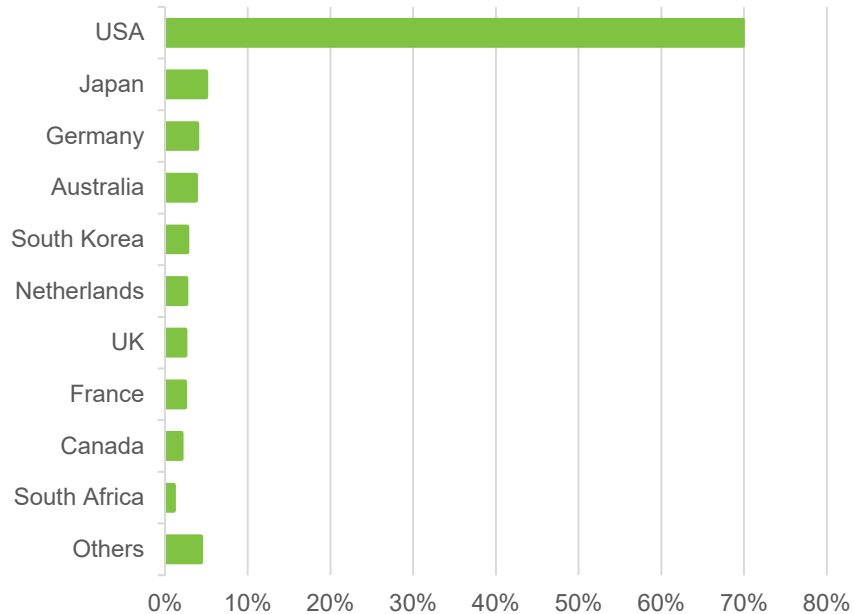


- 1) Source: Qontigo, daily data. Relative figures calculated against Benchmark
- 2) LIBOR used as a proxy for riskless returns
- 3) Qontigo Data Jun 30, 2011 – Jun 30, 2021

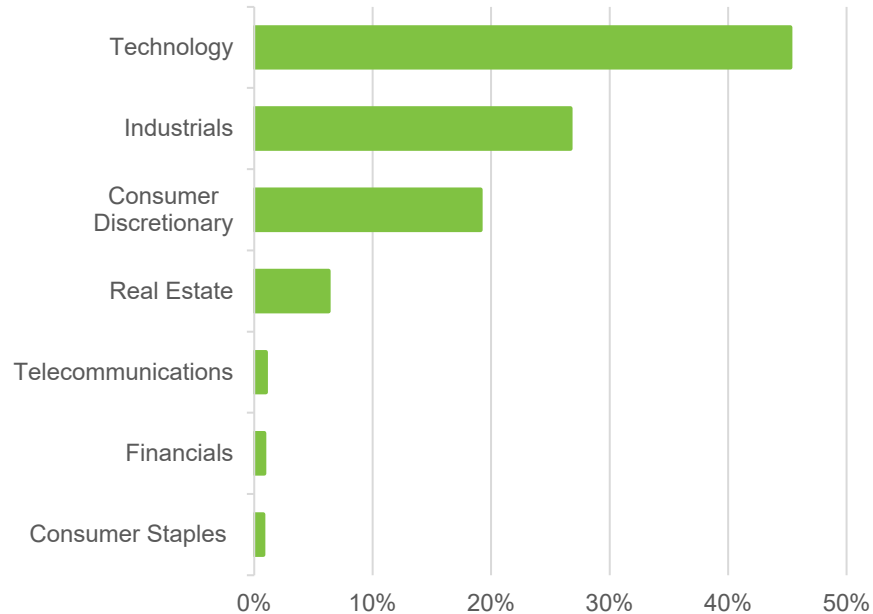
STOXX Global Digitalization Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Digitalization Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|--------------|--------------------------------|-------------|------------|
| ETSY | Retail | USA | 1.32 |
| KAKAO CORP | Technology | South Korea | 1.30 |
| PINTEREST A | Technology | USA | 1.24 |
| DOCUSIGN | Technology | USA | 1.23 |
| AFTERPAY | Industrial Goods and Services | Australia | 1.23 |
| TWITTER | Technology | USA | 1.22 |
| MATCH GROUP | Technology | USA | 1.22 |
| MERCADOLIBRE | Consumer Products and Services | USA | 1.22 |
| CARVANA 'A' | Retail | USA | 1.21 |
| SQUARE CL.A | Industrial Goods and Services | USA | 1.20 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Digital Security

STOXX Global Digital Security Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Digital Security | STOXX Global 1800 |
|------------------------------|-------------------------------|-------------------|
| Perf. overall (annualized) | 14.85% | 13.52% |
| Perf. (1Y) | 38.98% | 39.59% |
| Perf. (3Y) (annualized) | 17.23% | 15.73% |
| Perf. (5Y) (annualized) | 18.52% | 15.60% |
| Vol. overall (annualized) | 15.64% | 14.06% |
| Volatility (1Y) (annualized) | 16.33% | 12.76% |
| Volatility (3Y) (annualized) | 19.05% | 18.98% |
| Volatility (5Y) (annualized) | 15.93% | 15.58% |
| Sharpe ratio (Overall) | 0.92 | 0.92 |
| Sharpe ratio (5Y) | 1.08 | 0.94 |
| Tracking error (Overall) | 8.16% | |
| Tracking error (5Y) | 7.28% | |
| Dividend yield (Overall) | 3.58% | 5.45% |
| Maximum drawdown | 32.25% | 33.77% |
| Constituents | 124 | 1800 |

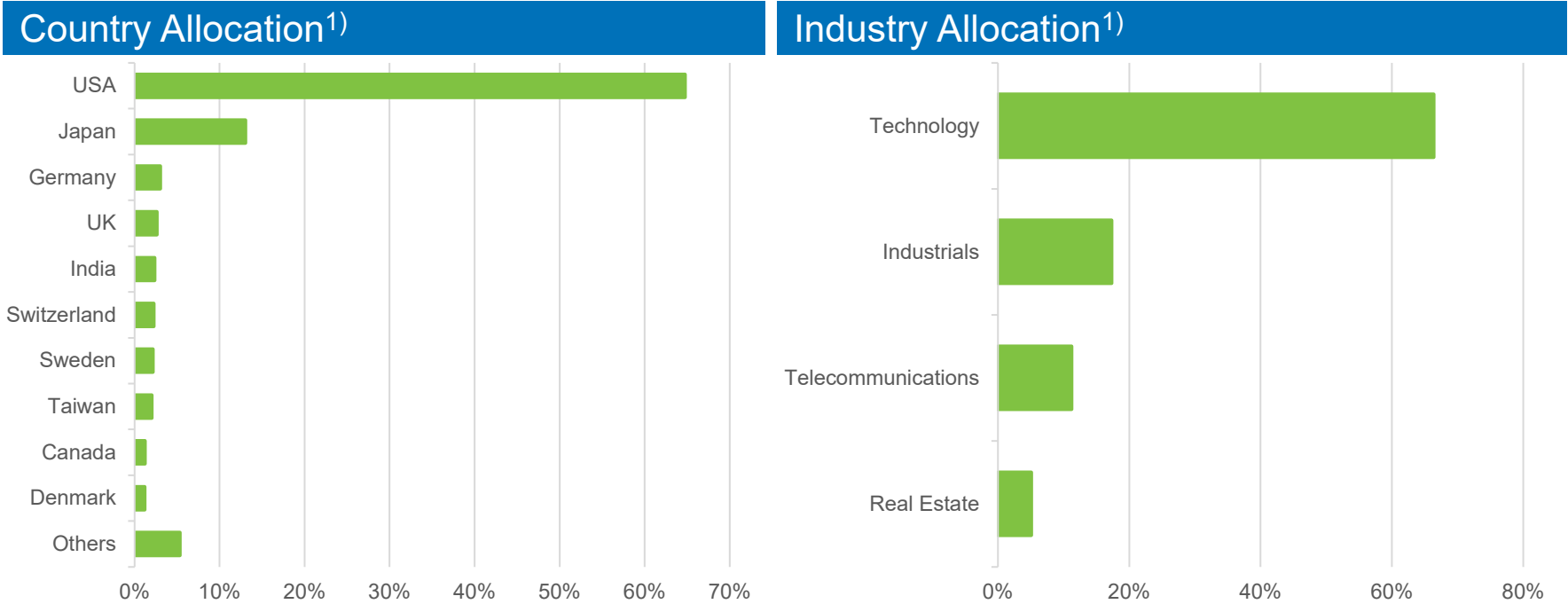
Performance



- 1) Source: Qontigo, daily data. Relative figures calculated against Benchmark
- 2) LIBOR used as a proxy for riskless returns
- 3) Qontigo Data Jun 18, 2012 – Jun 30, 2021

STOXX Global Digital Security Index

Country and Industry Allocation



¹⁾ Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Digital Security Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|------------------------|--------------------|---------|------------|
| DOCUSIGN | Technology | USA | 1.37 |
| CLOUDFLARE A | Technology | USA | 1.35 |
| SKYWORKS SLTN. | Technology | USA | 1.35 |
| Accton | Telecommunications | Taiwan | 1.34 |
| VARONIS SYSTEMS | Technology | USA | 1.34 |
| FASTLY A | Technology | USA | 1.32 |
| OKTA CL.A | Technology | USA | 1.32 |
| DATADOG A | Technology | USA | 1.32 |
| CROWDSTRIKE HOLDINGS A | Technology | USA | 1.31 |
| Fujitsu Ltd. | Technology | Japan | 1.31 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Automation & Robotics

STOXX Global Automation & Robotics Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Automation & Robotics | STOXX Global 1800 |
|------------------------------|------------------------------------|-------------------|
| Perf. overall (annualized) | 13.55% | 11.36% |
| Perf. (1Y) | 51.67% | 39.59% |
| Perf. (3Y) (annualized) | 21.05% | 15.73% |
| Perf. (5Y) (annualized) | 24.98% | 15.60% |
| Vol. overall (annualized) | 17.32% | 14.97% |
| Volatility (1Y) (annualized) | 18.41% | 12.76% |
| Volatility (3Y) (annualized) | 21.75% | 18.98% |
| Volatility (5Y) (annualized) | 18.18% | 15.58% |
| Sharpe ratio (Overall) | 0.78 | 0.75 |
| Sharpe ratio (5Y) | 1.26 | 0.94 |
| Tracking error (Overall) | 8.54% | |
| Tracking error (5Y) | 9.31% | |
| Dividend yield (Overall) | 3.83% | 5.06% |
| Maximum drawdown | 36.16% | 33.77% |
| Constituents | 133 | 1800 |

Performance

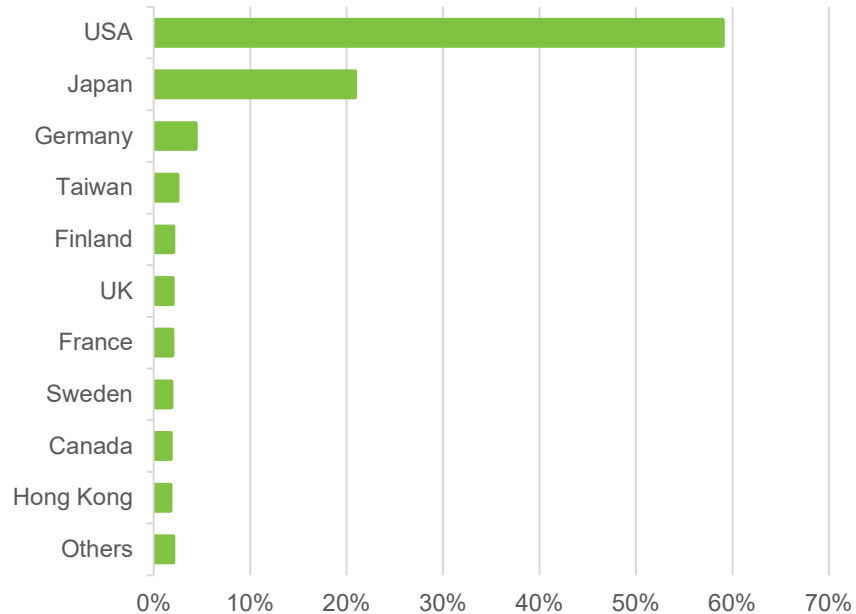


- 1) Source: Qontigo, daily data. Relative figures calculated against Benchmark
- 2) LIBOR used as a proxy for riskless returns
- 3) Qontigo Data Jun 30, 2011 – Jun 30, 2021

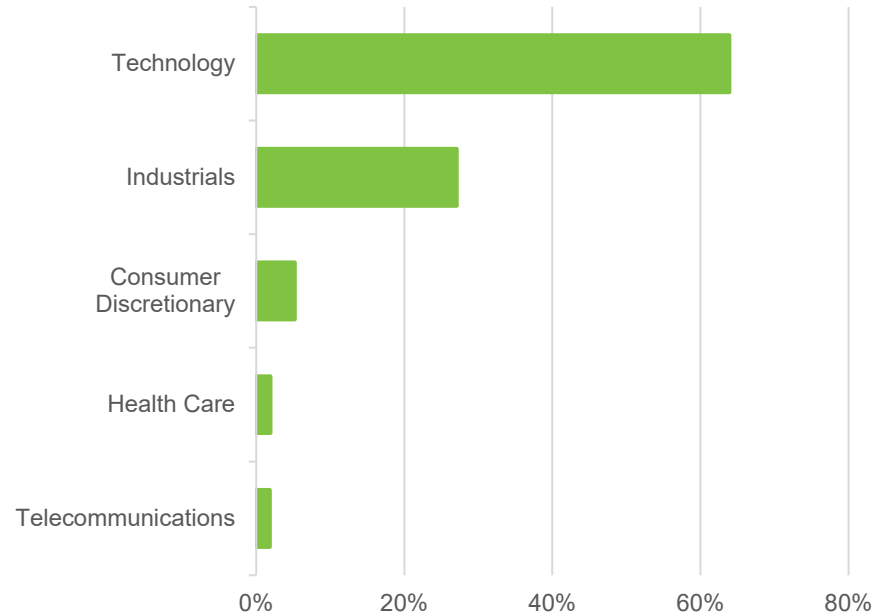
STOXX Global Automation & Robotics Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



¹⁾ Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Automation & Robotics Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|-------------------------|-------------|---------|------------|
| SPLUNK | Technology | USA | 2.18 |
| ADVANCED MICRO DEVICES | Technology | USA | 2.09 |
| NVIDIA Corp. | Technology | USA | 2.09 |
| SERVICENOW | Technology | USA | 2.04 |
| Xilinx Inc. | Technology | USA | 2.04 |
| SNAP 'A' | Technology | USA | 1.98 |
| Apple Inc. | Technology | USA | 1.97 |
| Intuitive Surgical Inc. | Health Care | USA | 1.95 |
| Qualcomm Inc. | Technology | USA | 1.94 |
| DASSAULT SYSTEMS | Technology | France | 1.92 |

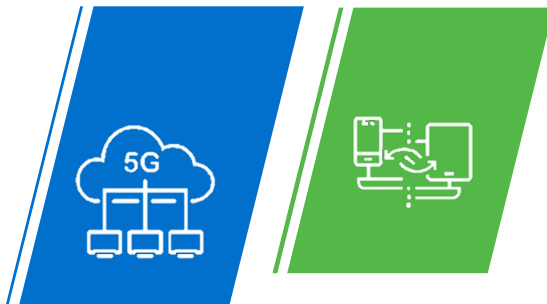
1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Next Generation Telecoms Index

Continuous technological advancement in the telecommunications industry

The most recent change that the industry is undergoing is the deployment of 5G

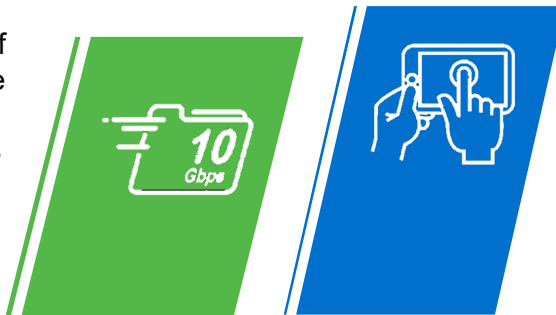
The global telecom electronic manufacturing services (EMS) market size is likely to reach USD 230.1 billion by 2025, expanding at a CAGR of 7% during the 2018-2025 period¹⁾



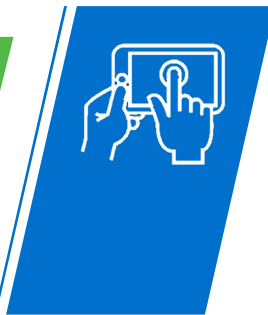
M-2M connections industry is expected to demonstrate revenue growth at 9.9% CAGR between the years 2017 to 2023²⁾



The continuous increase of mobile data traffic will drive 5G emergence. 5G will increase download speeds up to 1-10 Gbps



About 1 billion people worldwide are likely to be 5G-enabled, contributing \$12.3 trillion in global economic output by the mid-2030s on a cumulative basis³⁾



1) MarketWatch: ["Telecom EMS Market Size Worth \\$230.1 Billion by 2025 | CAGR: 7.0%: Grand View Research, Inc."](#)

2) MarketWatch: ["M2M Connections Market 2021 Global Market"](#)

3) IHS Economics/IHS Technology Economic Impact Analysis: ["The 5G Economy: How 5G technology will contribute to the global Economy"](#)

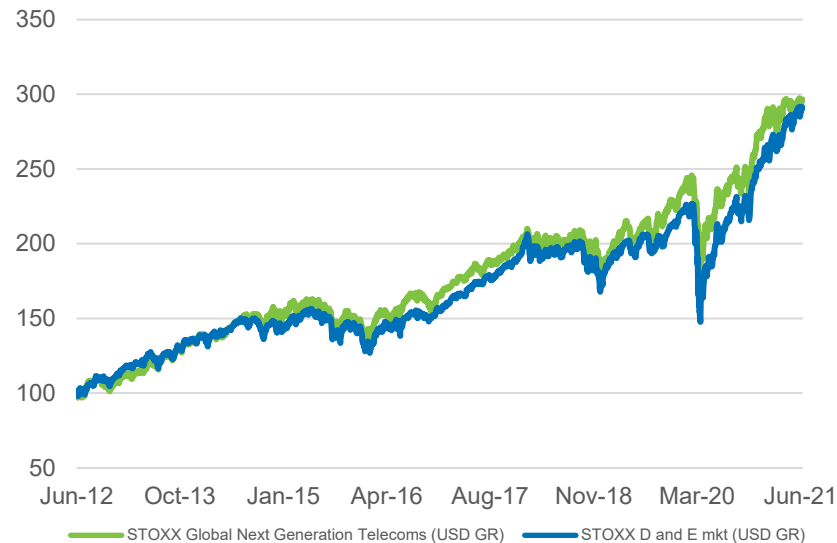
STOXX Global Next Generation Telecoms Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX Global Next Generation Telecoms | STOXX Developed and Emerging Markets Total Market |
|------------------------------|---------------------------------------|---|
| Perf. overall (annualized) | 12.97% | 12.73% |
| Perf. (1Y) | 29.65% | 42.46% |
| Perf. (3Y) (annualized) | 14.91% | 15.04% |
| Perf. (5Y) (annualized) | 13.82% | 15.08% |
| Vol. overall (annualized) | 14.09% | 13.69% |
| Volatility (1Y) (annualized) | 13.27% | 12.45% |
| Volatility (3Y) (annualized) | 18.57% | 18.47% |
| Volatility (5Y) (annualized) | 15.48% | 15.16% |
| Sharpe ratio (Overall) | 0.89 | 0.89 |
| Sharpe ratio (5Y) | 0.84 | 0.93 |
| Tracking error (Overall) | 5.75% | |
| Tracking error (5Y) | 5.79% | |
| Dividend yield (Overall) | 5.84% | 5.09% |
| Maximum drawdown | 28.33% | 34.84% |
| Constituents | 261 | 9821 |

Performance

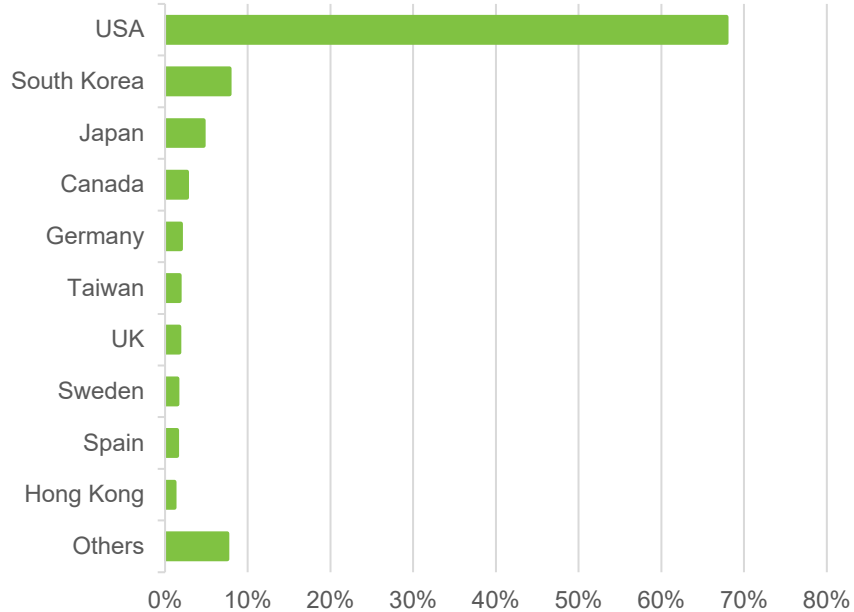


- 1) Source: Qontigo, daily data. Relative figures calculated against Benchmark
- 2) EONIA used as a proxy for riskless returns
- 3) Qontigo Data Jun 18, 2012 – Jun 30, 2021

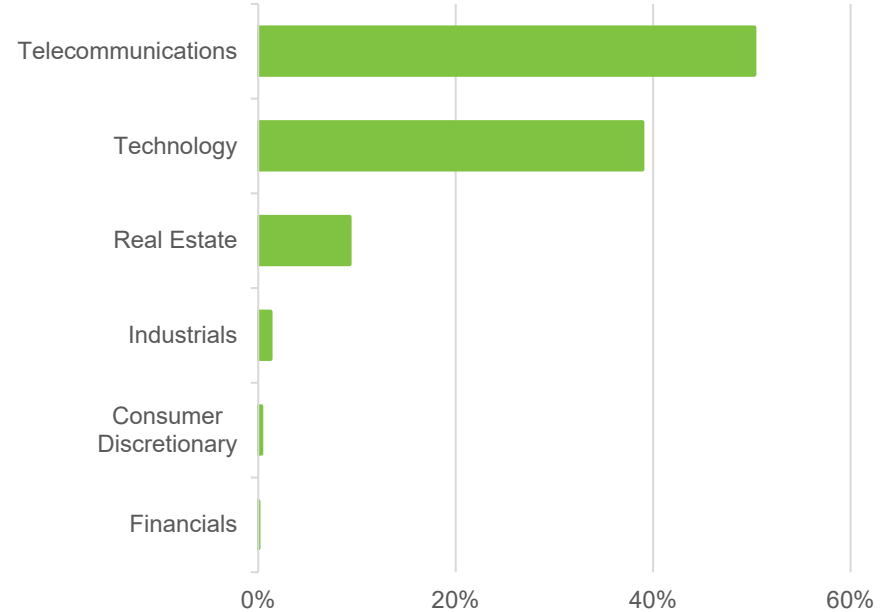
STOXX Global Next Generation Telecoms Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



¹⁾ Source: Qontigo. Data as of Jun 30, 2021.

STOXX Global Next Generation Telecoms Index – Top 10 Constituents

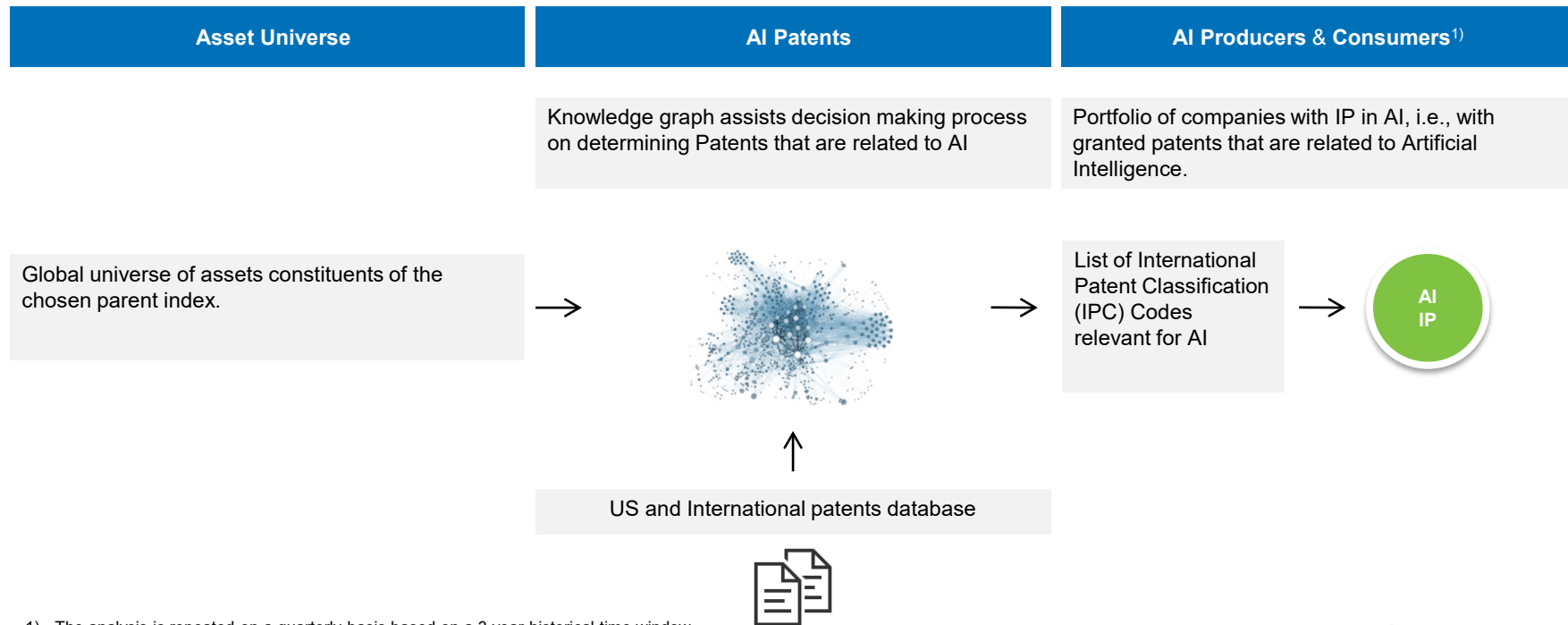
| Name | Supersector | Country | Weight (%) |
|-----------------------------|--------------------|-------------|------------|
| Apple Inc. | Technology | USA | 8.69 |
| Samsung Electronics Co Ltd | Technology | South Korea | 6.06 |
| Verizon Communications Inc. | Telecommunications | USA | 5.76 |
| Intel Corp. | Technology | USA | 5.13 |
| AT&T Inc. | Telecommunications | USA | 4.65 |
| Cisco Systems Inc. | Telecommunications | USA | 4.56 |
| Comcast Corp. Cl A | Telecommunications | USA | 4.45 |
| Qualcomm Inc. | Technology | USA | 4.00 |
| BROADCOM | Technology | USA | 3.49 |
| AMERICAN TOWER | Real Estate | USA | 2.99 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX AI Global Artificial Intelligence Index

Overview

Use of knowledge graphs



1) The analysis is repeated on a quarterly basis based on a 3 year historical time window.

STOXX AI Global Artificial Intelligence Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX AI Global Artificial Intelligence | STOXX Developed and Emerging Markets Total MarketIndex |
|------------------------------|---|--|
| Perf. overall (annualized) | 18.33% | 11.46% |
| Perf. (1Y) | 57.93% | 42.46% |
| Perf. (3Y) (annualized) | 21.83% | 15.04% |
| Perf. (5Y) (annualized) | 23.19% | 15.08% |
| Vol. overall (annualized) | 14.77% | 13.89% |
| Volatility (1Y) (annualized) | 14.23% | 12.45% |
| Volatility (3Y) (annualized) | 19.68% | 18.47% |
| Volatility (5Y) (annualized) | 16.21% | 15.16% |
| Sharpe ratio (Overall) | 1.16 | 0.80 |
| Sharpe ratio (5Y) | 1.30 | 0.93 |
| Tracking error (Overall) | 4.16% | |
| Tracking error (5Y) | 4.23% | |
| Dividend yield (Overall) | 5.17% | 4.49% |
| Maximum drawdown | 34.63% | 34.84% |
| Constituents | 273 | 9821 |

Performance



1) Source: Qontigo, daily data. Relative figures calculated against Benchmark

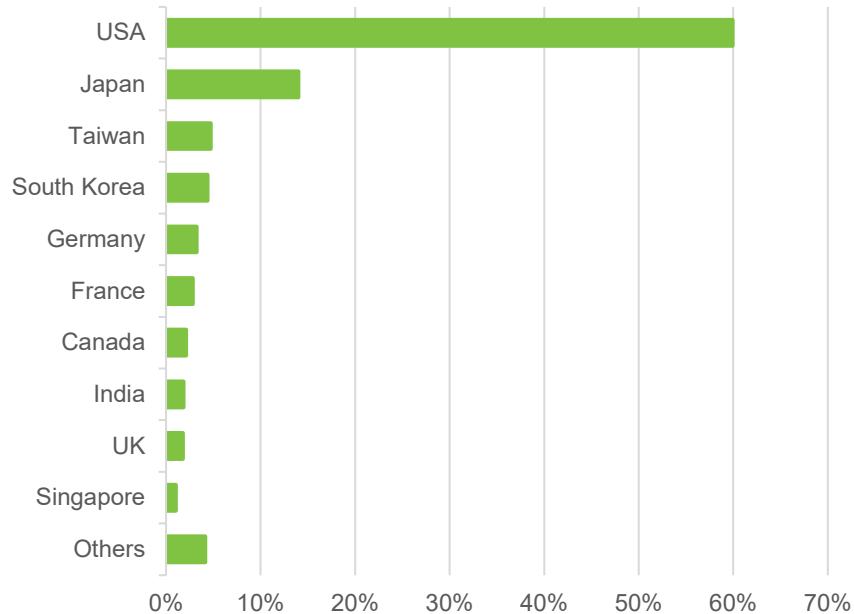
2) EONIA used as a proxy for riskless returns

3) Qontigo Data Mar 18, 2013 – Jun 30, 2021

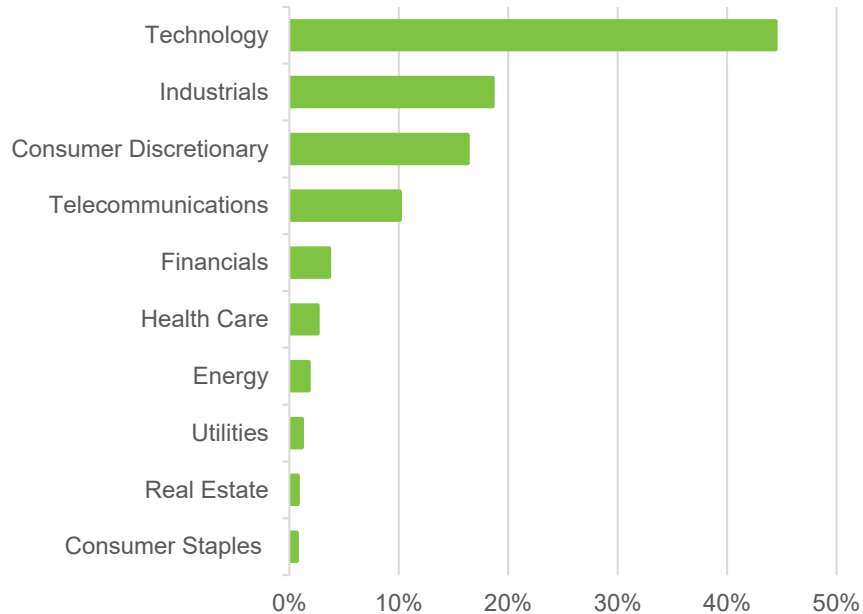
STOXX AI Global Artificial Intelligence Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



¹⁾ Source: Qontigo. Data as of Jun 30, 2021.

STOXX AI Global Artificial Intelligence Index – Top 10 Constituents

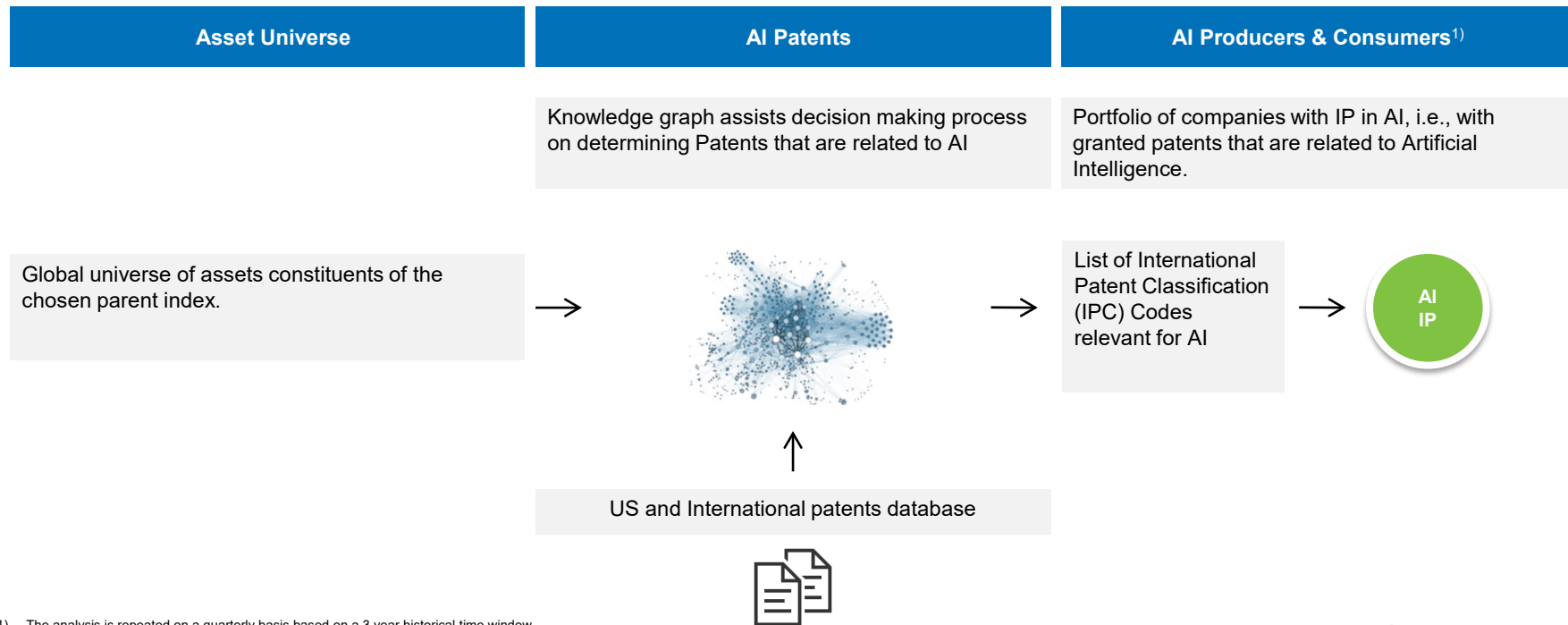
| Name | Supersector | Country | Weight (%) |
|------------------------|-------------------------------|---------|------------|
| ROKU | Telecommunications | USA | 0.48 |
| MICROSTRATEGY | Technology | USA | 0.48 |
| SUNRUN | Utilities | USA | 0.45 |
| SPLUNK | Technology | USA | 0.44 |
| AXON ENTERPRISE | Industrial Goods and Services | USA | 0.43 |
| ADVANCED MICRO DEVICES | Technology | USA | 0.42 |
| NVIDIA Corp. | Technology | USA | 0.42 |
| TWITTER | Technology | USA | 0.42 |
| SYNAPTICS | Technology | USA | 0.41 |
| CLOUDFLARE A | Technology | USA | 0.41 |

1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX AI Global Artificial Intelligence ADTV5 Index

Overview

Use of knowledge graphs



1) The analysis is repeated on a quarterly basis based on a 3 year historical time window.

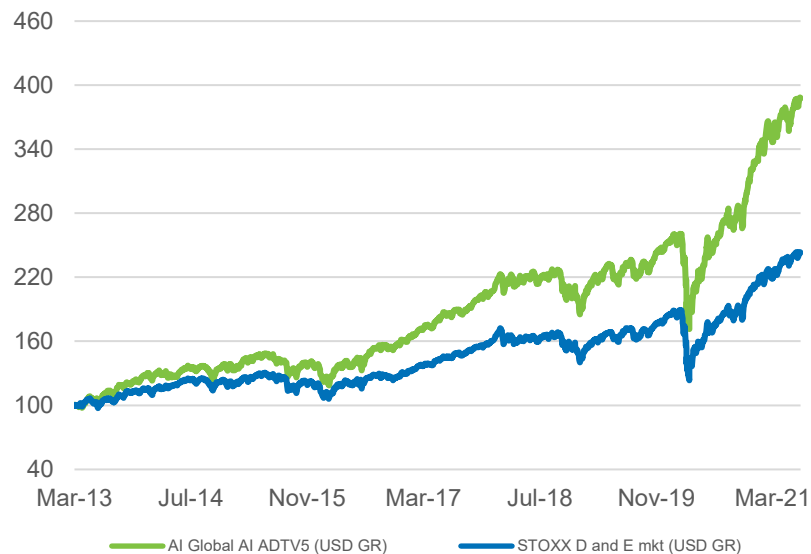
STOXX AI Global Artificial Intelligence ADTV5 Index

Risk and Return Overview

Risk and Return Characteristics

| | STOXX AI Global Artificial Intelligence ADTV5 | STOXX Developed and Emerging Markets Total Market Index |
|------------------------------|---|---|
| Perf. overall (annualized) | 18.02% | 11.46% |
| Perf. (1Y) | 57.79% | 42.46% |
| Perf. (3Y) (annualized) | 21.97% | 15.04% |
| Perf. (5Y) (annualized) | 23.06% | 15.08% |
| Vol. overall (annualized) | 14.99% | 13.89% |
| Volatility (1Y) (annualized) | 14.30% | 12.45% |
| Volatility (3Y) (annualized) | 19.96% | 18.47% |
| Volatility (5Y) (annualized) | 16.43% | 15.16% |
| Sharpe ratio (Overall) | 1.13 | 0.80 |
| Sharpe ratio (5Y) | 1.28 | 0.93 |
| Tracking error (Overall) | 4.21% | |
| Tracking error (5Y) | 4.26% | |
| Dividend yield (Overall) | 5.00% | 4.49% |
| Maximum drawdown | 34.32% | 34.84% |
| Constituents | 261 | 9821 |

Performance



1) Source: Qontigo, daily data. Relative figures calculated against Benchmark

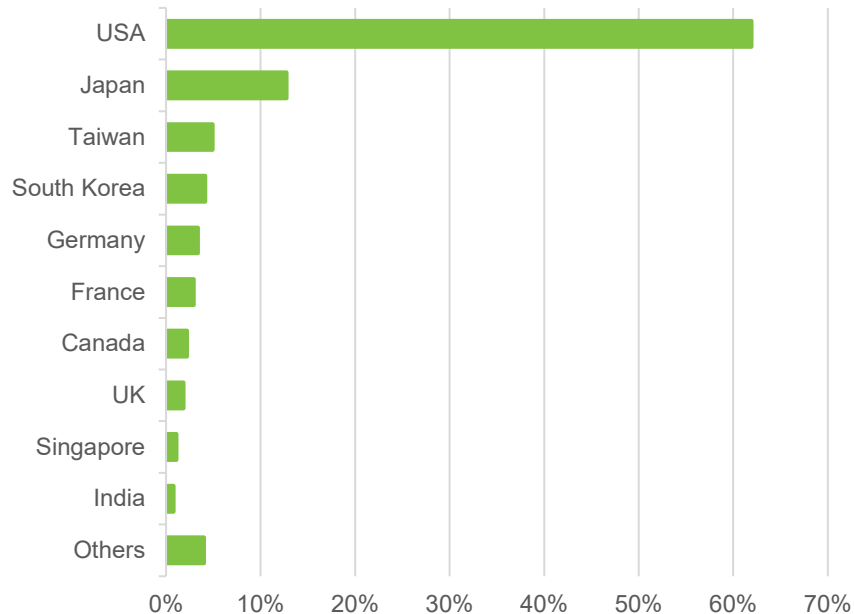
2) EONIA used as a proxy for riskless returns

3) Qontigo Data Mar 18, 2013 – Jun 30, 2021

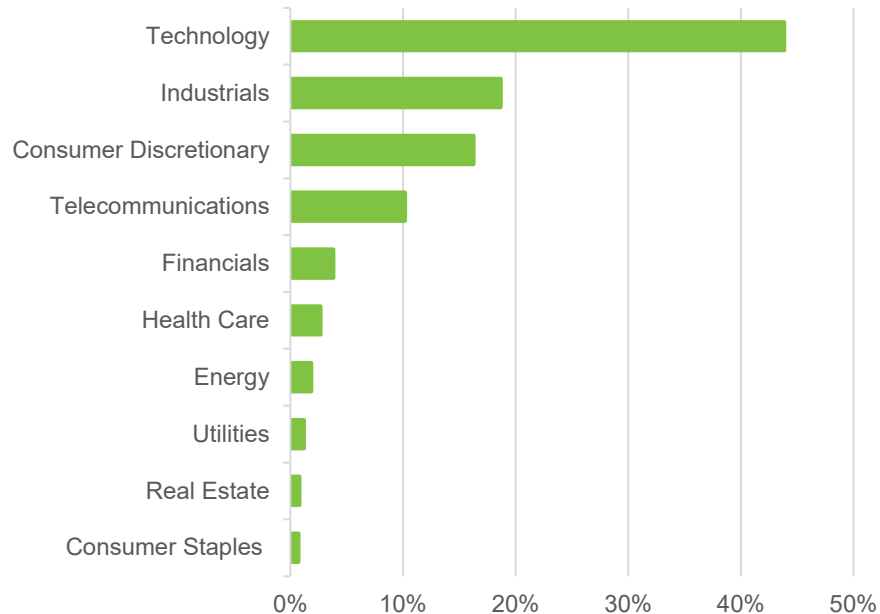
STOXX AI Global Artificial Intelligence ADTV5 Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



1) Source: Qontigo. Data as of Jun 30, 2021.

STOXX AI Global Artificial Intelligence ADTV5 Index – Top 10 Constituents

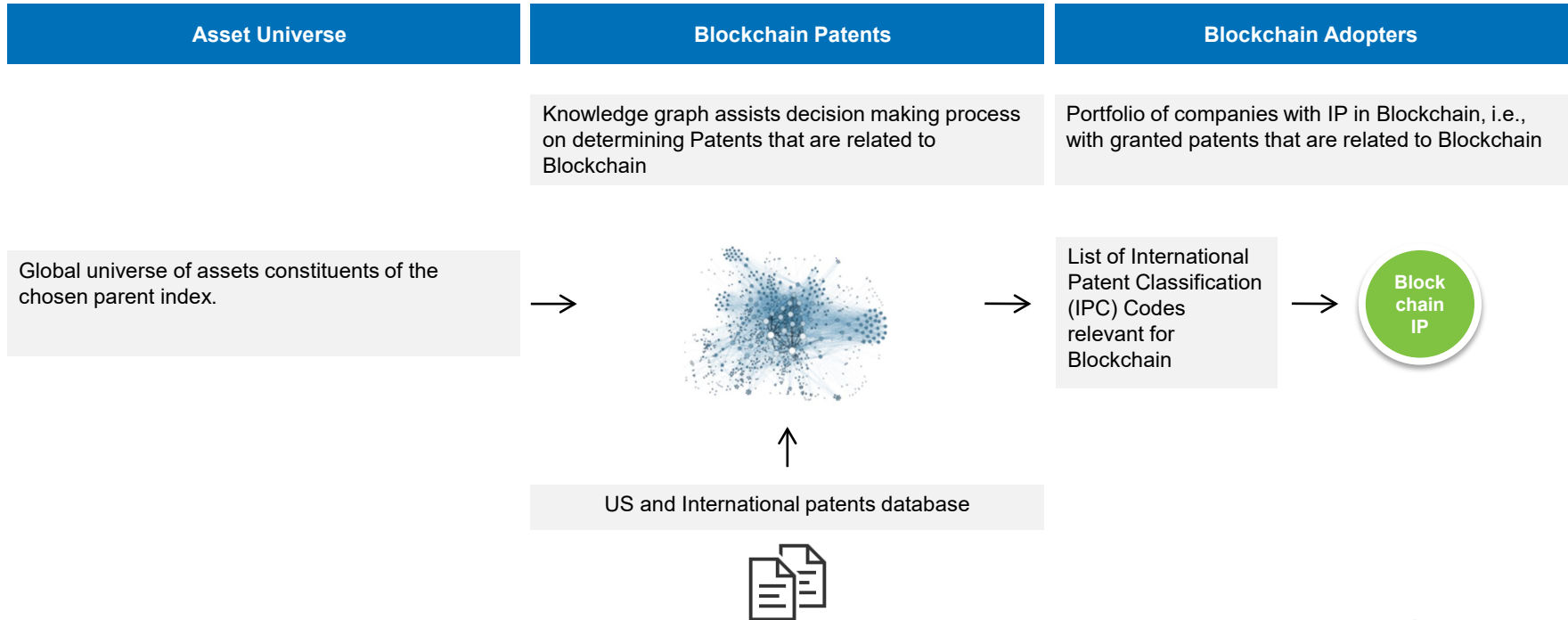
| Name | Supersector | Country | Weight (%) |
|------------------------|-------------------------------|---------|------------|
| ROKU | Telecommunications | USA | 0.50 |
| MICROSTRATEGY | Technology | USA | 0.50 |
| SUNRUN | Utilities | USA | 0.47 |
| SPLUNK | Technology | USA | 0.46 |
| AXON ENTERPRISE | Industrial Goods and Services | USA | 0.45 |
| ADVANCED MICRO DEVICES | Technology | USA | 0.44 |
| NVIDIA Corp. | Technology | USA | 0.44 |
| TWITTER | Technology | USA | 0.43 |
| SYNAPTICS | Technology | USA | 0.43 |
| CLOUDFLARE A | Technology | USA | 0.43 |

1) Source: Qontigo. Data as of Jun 30, 2021.

iSTOXX Yewno Developed Markets Blockchain Index

Overview

Use of knowledge graphs



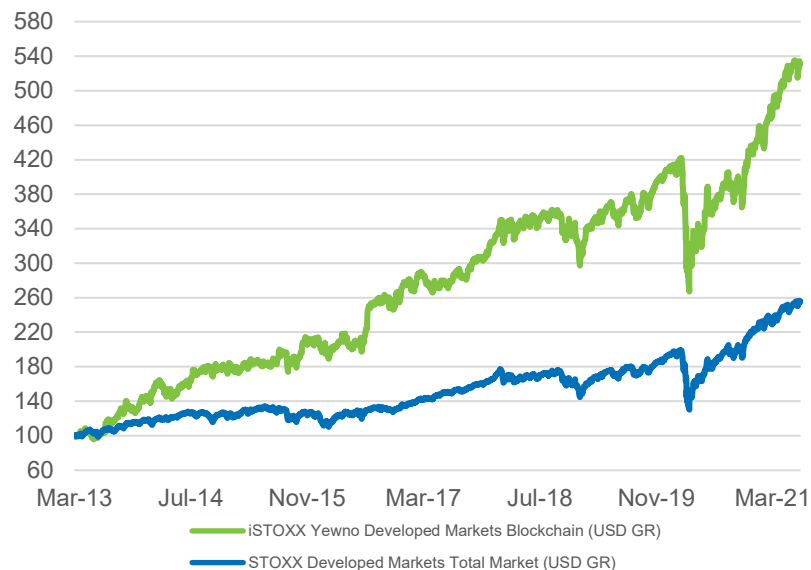
iSTOXX Yewno Developed Markets Blockchain Index

Risk and Return Overview

Risk and Return Characteristics

| | iSTOXX Yewno Developed Markets Blockchain | STOXX Developed Markets Total Market Index |
|------------------------------|---|--|
| Perf. overall (annualized) | 22.67% | 12.16% |
| Perf. (1Y) | 46.50% | 41.59% |
| Perf. (3Y) (annualized) | 15.85% | 15.44% |
| Perf. (5Y) (annualized) | 21.14% | 15.45% |
| Vol. overall (annualized) | 20.97% | 14.37% |
| Volatility (1Y) (annualized) | 16.41% | 12.98% |
| Volatility (3Y) (annualized) | 23.55% | 19.23% |
| Volatility (5Y) (annualized) | 20.58% | 15.77% |
| Sharpe ratio (Overall) | 1.04 | 0.82 |
| Sharpe ratio (5Y) | 0.98 | 0.92 |
| Tracking error (Overall) | 13.31% | |
| Tracking error (5Y) | 9.65% | |
| Dividend yield (Overall) | 7.53% | 4.67% |
| Maximum drawdown | 36.76% | 34.62% |
| Constituents | 100 | 5988 |

Performance

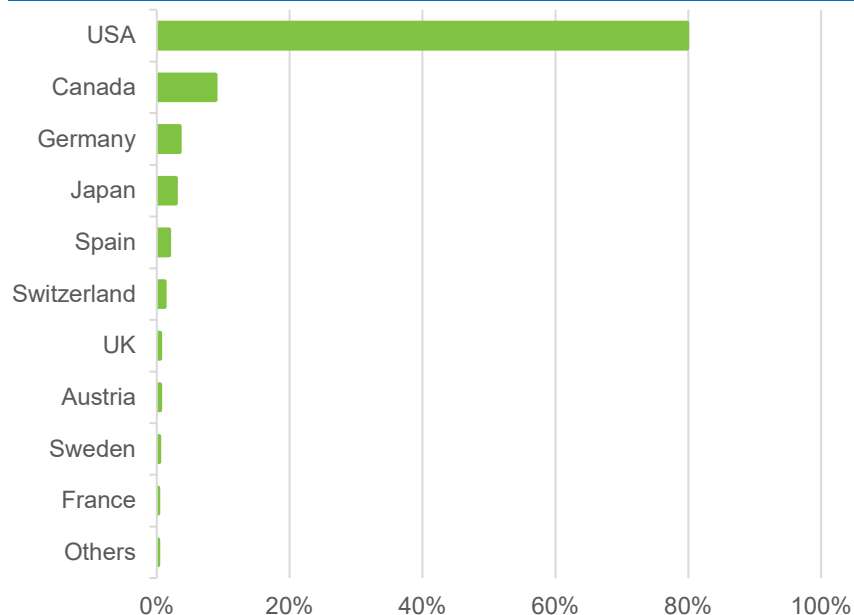


- 1) Source: Qontigo, daily data. Relative figures calculated against Benchmark
- 2) EONIA used as a proxy for riskless returns
- 3) Qontigo Data Mar 18, 2013 – Jun 30, 2021

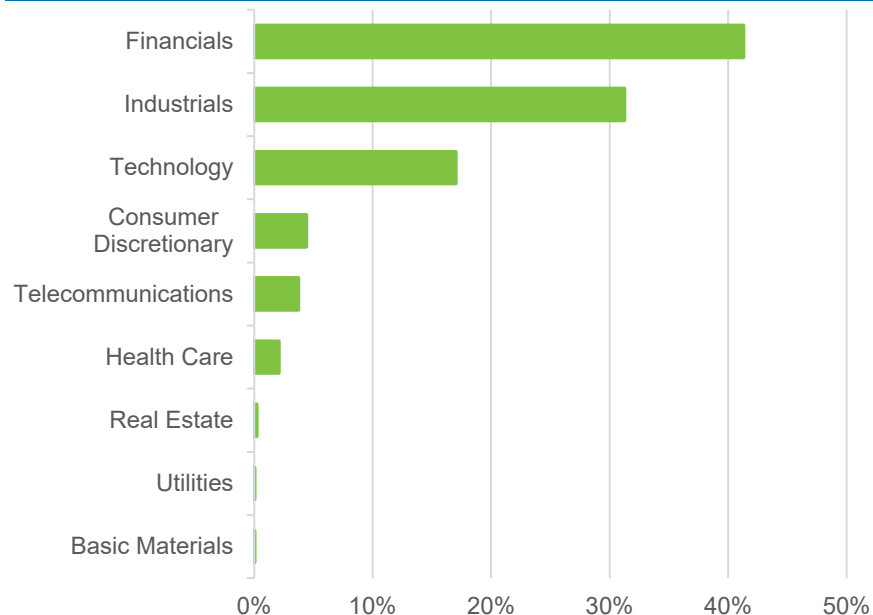
iSTOXX Yewno Developed Markets Blockchain Index

Country and Industry Allocation

Country Allocation¹⁾



Industry Allocation¹⁾



1) Source: Qontigo. Data as of Jun 30, 2021.

iSTOXX Yewno Developed Markets Blockchain Index – Top 10 Constituents

| Name | Supersector | Country | Weight (%) |
|--------------------------------|-------------------------------|---------|------------|
| Microsoft Corp. | Technology | USA | 8.43 |
| MasterCard Inc. Cl A | Industrial Goods and Services | USA | 8.02 |
| Bank of America Corp. | Banks | USA | 7.92 |
| JPMorgan Chase & Co. | Banks | USA | 7.76 |
| Accenture PLC Cl A | Industrial Goods and Services | USA | 4.67 |
| VISA Inc. Cl A | Industrial Goods and Services | USA | 4.50 |
| Northern Trust Corp. | Financial Services | USA | 4.45 |
| International Business Machine | Technology | USA | 4.39 |
| American Express Co. | Industrial Goods and Services | USA | 4.32 |
| Royal Bank of Canada | Banks | Canada | 3.98 |

1) Source: Qontigo. Data as of Jun 30, 2021.

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Qontigo's global client base includes the world's largest financial products issuers, capital owners and asset managers.

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