



# NASDAQ YEWNO GLOBAL INNOVATIVE TECHNOLOGIES EX DISPUTABLE ACTIVITIES EUR ER 5% INDEX

MARKETING COMMUNICATION PRODUCED FOR INFORMATION PURPOSES AND FOR THE EXCLUSIVE USE OF PROFESSIONAL CLIENTS | MARCH 2022

The Nasdaq Yewno Innovative Technologies Index is a rules based Index aiming to generate positive returns by providing exposure to 100 stocks of leading companies that are positioned at the forefront of innovation in the world by investing extensively in 6 innovative fields

## A SMART ACCESS TO THE WORLD OF TECHNOLOGY INNOVATIONS...



### ARTIFICIAL INTELLIGENCE

Annual worldwide revenue is expected to grow from \$3.2b in 2016 to **\$89.8b** by 2025<sup>1</sup>. Recently, many of the world's leading tech companies are investing in the development of the new "metaverse" evolution<sup>2</sup>.

<sup>1</sup>Tractica research, Q4 2019. <sup>2</sup>What is the metaverse? And why should we care, WEF, 2021.



### HEALTHCARE INNOVATION

The **Human Augmentation Market** is projected to reach a total market size of **\$206.9b** by 2024, from \$70.9b in 2019<sup>1</sup>. The **bioinformatics market** is projected to reach **\$24.731 million** by 2027<sup>2</sup>.

<sup>1</sup>Marketsandmarkets research as of November 2019. <sup>2</sup>Allied Market Research as of November 2020.



### ROBOTICS

The **3D printing market** was valued at **\$11.58b** in 2019 and is expected to grow at a CAGR exceeding 14% from 2020 to 2027<sup>1</sup>, the **drones market** was valued at **\$5.80b** in 2018 with an anticipated CAGR of 56.5% from 2019 to 2025 while the global **nanotechnology market** is expected to grow from **\$5.2b** in 2021 to **\$23.6b** in 2026<sup>2</sup>.

<sup>1</sup> Grand View Research "3D Printing Market Size & Share" as of February 2020 and "Commercial Drone Market Size" as of June 2019. <sup>2</sup>BBC Research as of December 2021.



### DATA COMPUTING & PROCESSING

Worldwide revenues for big data and business analytics was valued at **\$37.34b** in 2018. Revenues will be more than **\$105.08b** by 2027 with a CAGR\* of 12.3% from 2019 to 2027.

Research and Markets "Big data analytics industry report 2020" as of 02 March 2020. \*Compound Annual Growth Rate



### INTERNET OF THINGS

About **43b** more connected things will be connected by 2023<sup>1</sup>. Spending on IoT was \$726.4b in 2019 and is forecast to reach up to **\$1.12 trillion** in 2023<sup>2</sup>.

<sup>1</sup> McKinsey & Company "Growing opportunities in the Internet of Things", July 2019. <sup>2</sup>idc.com as of June 2019.

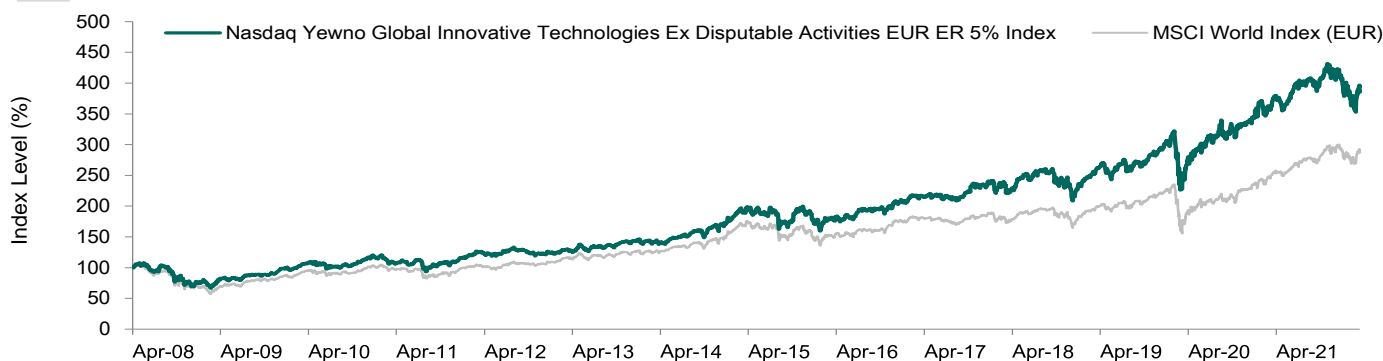


### AUTOMOTIVE INNOVATION

Industry players are accelerating the speed of **automotive technology innovation** as they develop new concepts of electric, connected, autonomous, and shared mobility. The industry has attracted more than **\$400b** in investments **over the last decade**. By 2030, almost all new cars will have some level of connectivity, enriching the experience for car drivers and riders.

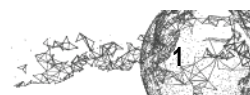
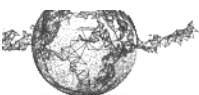
MCKinsey&Company "Why the automotive future is electric", September 2021.

## PERFORMANCE



Apr. 08 – Mar. 22	Nasdaq Yewno Innovative Technologies Ex Disputable EUR 5% Index	MSCI World Index (EUR)
Annualised Performance	10.14%	7.84%
Annualised Volatility	18.67%	16.98%
Sharpe Ratio	0.54	0.46
Maximum Drawdown	-38.50%	-45.82%

Sources: BNP Paribas, Bloomberg as of 31 March 2022. Performances of NASDAQ Yewno Global Innovative Technologies Ex-Disputable EUR ER 5% Index in EUR. Simulations from 18 April 2008 to 23 February 2020, historical data thereafter. Comparative index: MSCI World Index, Bloomberg Code: <MXWO Index>, rebased using historical data. Simulated or historical past performance is not an indicator of future performance.



# INDEX SUMMARY

## METHODOLOGY



### STARTING UNIVERSE

Nasdaq Global Index<sup>1</sup>  
~ 9000 stocks

### SECTORIAL FILTER

Selection of the **Most Innovative Companies** from the **25 Technologies Sub-Themes**<sup>2</sup>



**SELECTION OF TOP 100 BY MARKET CAPITALISATION**

## THROUGH YEWNO FINANCE ARTIFICIAL INTELLIGENCE TECHNOLOGY FILTERING

Making use of Yewno's AI-Augmented system, the index analyses the extent to which a company has intellectual property and invests in research and development through their **patent data** linked to **6 innovative technologies** (Artificial Intelligence, Robotics, Automotive Innovation, Healthcare Innovation, Internet of Things and Data Computing & Processing), comprising **25 sub-themes**.

Nasdaq then considers the **Top 25%** companies in each sub-theme, according to Yewno's Pure and Contribution scores, for the next step in the selection process.

- **Pure score:** number of patents in a particular sub-theme as a percent of all patents by a given company;
- **Contribution score:** number of patents identified as part of a sub-theme for a given company as a percent of all patents from all companies for a given sub-theme.

As determined by **Oekom/ISS Ethix**, companies are not eligible if they derive **more than 5%** of their revenue from the following activities:



Source: Yewno as of September 2018.



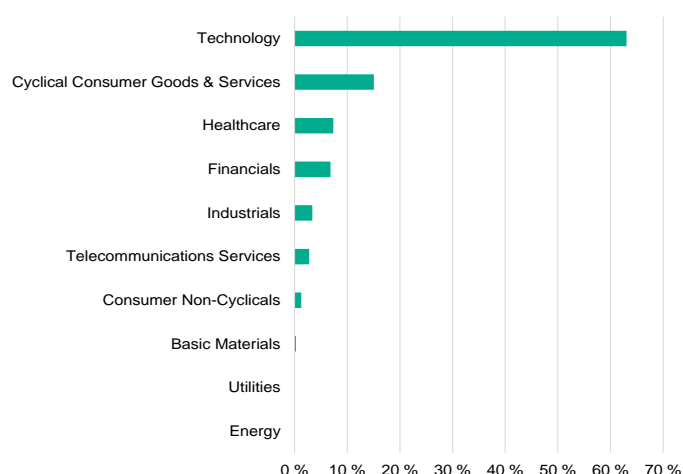
Source: <sup>1</sup>Nasdaq Global Index or any security listed on Nasdaq, NYSE or NYSE American outside of the Nasdaq Global Index. <sup>2</sup>Companies that invest the most into innovative technologies, both compared to their other investments and the industry wide investments.

## INDEX COMPOSITION\*

1	SAP	11	VISA 'A'	21	ADOBE (NAS)	31	HONEYWELL INTL.	41	NIPPON TELG. & TEL.
2	AT&T	12	BROADCOM	22	WALT DISNEY	32	LOCKHEED MARTIN	42	ROYAL BANK OF CANADA
3	APPLE	13	MICROSOFT	23	T-MOBILE US	33	META PLATFORMS A	43	JP MORGAN CHASE & CO.
4	INTEL	14	COMCAST A	24	TOYOTA MOTOR	34	TENCENT HOLDINGS	44	TATA CONSULTANCY SVS.
5	NVIDIA	15	MEDTRONIC	25	CISCO SYSTEMS	35	WELLS FARGO & CO	45	TORONTO-DOMINION BANK
6	ORACLE	16	ALPHABET A	26	APPLIED MATS.	36	AMERICAN EXPRESS	46	VERIZON COMMUNICATIONS
7	INTUIT	17	AMAZON.COM	27	VOLKSWAGEN AG	37	JOHNSON & JOHNSON	47	ADVANCED MICRO DEVICES
8	BOEING	18	MASTERCARD	28	SALESFORCE.COM	38	ACCENTURE CLASS A	48	THERMO FISHER SCIENTIFIC
9	TARGET	19	BLACKSTONE	29	BANK OF AMERICA	39	SAMSUNG ELECTRONICS	49	TAIWAN SEMICON.SPN.ADR 1:5
10	BYD 'H'	20	SONY GROUP	30	PAYPAL HOLDINGS	40	ABBOTT LABORATORIES	50	ALIBABA GROUP HOLDING ADR 1:8

Sources: BNP Paribas as of 31 March 2022. \*50 largest floating market capitalisation of the Nasdaq Yewno Global Innovative Tech EUR NTR 5% Excess Return are presented, the other 50 stocks are available by consulting the dedicated pages.

### Sectorial distribution



## FIXED-PERCENTAGE DEDUCTION

Reinvestment of net dividends paid on the equities that comprise the index  
Fixed-percentage deduction of 5% per year

- This fixed deduction, set when the index was designed, has a negative impact on the level of the index compared to the same index with net dividends reinvested without a fixed fee.
- If the net dividends paid out are lower (higher) than the fixed deduction, the index performance will be lower (higher) than that of a traditional index with dividends not reinvested.
- Similarly, if the net dividends paid out are lower (higher) than the fixed deduction, the probability of automatic redemption of products linked to this index will be lower (higher) and, as applicable, the risk of capital loss on these products during their lifetime or at maturity will be higher (lower).

Sources: BNP Paribas as of 31 March 2022.

## TABLE OF CHARACTERISTICS

CURRENCY	TYPE OF INDEX	BLOOMBERG CODE	REUTERS CODE	LAUNCH DATE
EUR	Decrement Index	NYGITXE5 Index	.NYGITXEE5	24 February 2020

For more details on the index, please visit the dedicated page:

<https://indexes.nasdaqomx.com/Index/Overview/NYGITXEE5>

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