

Monthly Tech Megatrend Market Report

December 2021

HANetf & GInSGlobal

HAN-GINS Tech Megatrends UCITS ETF

ITEK

59bps

IE00BDDRF700

Product Inception Date: 05/10/2018

For Professional Clients Only. Capital at risk.

All data as of 30.11.21

This report was written by, and is the opinion of, the ITEK index providers GInSGlobal.



Key Takeaways

- President Biden's \$1 trillion Infrastructure plan passed, big boost for EV vehicles.¹
- ITEK is up 16.0% for 2021 and 24.9% over one year. (Source: HANetf fact sheet)
- Robotics gained 8.2% just in November - in demand due to offshore supply chain problems and US onshoring. (Source: Solactive, data as of 30.11.2021)
- Top subtheme performers in 2021 are led by Blockchain up 37.9%, Robotics 27.2%, Future Cars 15.5%, Genomics 11.4% and Cloud Computing 9.8%. (Source: Solactive, data as of 30.11.2021)
- Top 20 contributors in 2021 - represent all 8 subthemes - all producing 30%+ gains. Led by BioNTech (312.5%), Nvidia (150.5%), Riot Blockchain (120.0%), Fortinet (123.6%), Galaxy Digital (78.3%), Tesla (62.2%), ZScaler (73.7%) and Cloudflare (46.9%). (Source: Solactive, data as of 30.11.2021)
- Over 85% of enterprises to embrace Cloud by 2025. Require Cloud to fully execute their digital strategies. (Source: www.datamation.com/cloud/cloud-computing-market-474b-2022/)
- Recent Cyberattacks – SolarWinds, Colonial Pipeline, Meat factories, boosting cybersecurity demand.²
- Biden Budget set to unleash government contracts in EVs, Genomics and Cybersecurity.³
- ITEK's global mix boosting gains - US weighting at 54.2%, China 16.0%, Canada 7.3%, Japan 5.0%, Germany 4.3%.⁴
- Diversified 115 holdings; Equal Weight across 8 subthemes and per holding.⁴
- Top 5 holdings equal just 8%, and Top 10 only 14% of the portfolio.⁴
- Unlike Nasdaq and other Tech indices which are overweight Big Tech; ITEK's FAANG weight is under 6% - versus 40% in the Nasdaq 100.⁴

Please note that all performance figures are showing net data. Past performance is not an indicator for future results and should not be the sole factor of consideration when selecting a product.

Macro Outlook

- COP26 influencing Future Carmakers: World's biggest Carmaker Toyota - to spend \$35bn on EV Vehicles. (Source: https://www.wsj.com/articles/toyota-in-reversal-says-it-will-shift-more-rapidly-to-evs-11639465002?mod=Searchresults_pos5&page=1)
- Plans global sales of 3.5 million EVs by 2030 - intends Lexus brand 100% electric. (Source: <https://www.cnbc.com/2021/12/14/toyota-ceo-announces-automakers-battery-ev-plans.html?&qsearchterm=toyota%20ev>)
- Ford aiming to have 40%+ of sales from EVs by 2030. (Source - https://www.wsj.com/articles/toyota-keeps-its-ev-options-openmaybe-too-open-11639498979?mod=Searchresults_pos4&page=1)

¹ <https://www.nytimes.com/2021/11/15/us/politics/biden-signs-infrastructure-bill.html>

² <https://www.reuters.com/technology/colonial-pipeline-halts-all-pipeline-operations-after-cybersecurity-attack-2021-05-08/>

³ <https://www.whitehouse.gov/briefing-room/presidential-actions/2021/05/12/executive-order-on-improving-the-nations-cybersecurity/>

⁴ Source: Bloomberg / HANetf

- Volkswagen, car maker closest in size to Toyota, expects 50% of sales to be EVs by 2030. (Source: <https://www.cnbc.com/2021/07/13/volkswagen-wants-half-of-its-vehicle-sales-to-be-electric-by-2030.html>)
- Toyota to launch 30 battery-powered models by 2030. (Source: <https://www.greencarcongress.com/2021/12/20211214-toyota.html>)
- EVs benefiting from Biden polices - including huge upgrades for EV charging stations and infrastructure.⁵
- COVID continues to be a huge gamechanger for both the Tech & Healthcare industries.⁶
- Big Tech deals to continue in Healthcare – Oracle just agreed on \$30bn deal for electronic medical company Cerner. (https://www.wsj.com/articles/oracle-to-pay-more-than-30-billion-for-erner-11640006531?mod=hp_lead_pos4)
- COVID continuing to propel the Digital Revolution forward with recent 3rd quarter record Big Tech earnings continuing into the 4th quarter.⁶
- Digital Healthcare space is experiencing an influx of Big Tech deals. The US Healthcare industry is ripe for Tech upgrades, with healthcare representing almost 20% of US GDP. (Source: <https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/NationalHealthExpendData/NationalHealthAccountsHistorical>)
- By 2025, over 95% of new digital workloads to be deployed on Cloud, up from 30% in 2021. (Source www.datamation.com/cloud/cloud-computing-market-474b-2022/)
- Demand for cybersecurity protection is expanding – particularly in the US boosted by recent large hack attacks and WFH trends. More cybersecurity data breaches occurred in 2020, than the prior 15 years.⁷
- Blockchain is a new exciting area that will provide further trust in Internet-based transactions. We see it reducing the cost of trade globally, via the use of transparent shared/distributed ledgers.⁸
- US manufacturers increasingly onshoring their plants - creating huge demand for industrial robots, often cheaper than employing US workers.⁹

YEAR TO DATE (November 30th 2021)

Contribution	Total Return (%)	% Average Weight	% Performance of category
Genomics	1.97	17.22	11.44
Cyber Security	1.35	17.22	7.84
Social Media	-0.12	11.47	-1.05
Future Cars	2.78	17.95	15.49
Cloud Computing	1.45	14.80	9.80
Robotics & Automation	4.35	16.01	27.17
Digital Entertainment	-1.37	16.31	-8.40
Blockchain	5.79	15.26	37.94

Source: Solactive (November 2021 data) For illustrative purposes only. Please note that all performance figures are showing net data.

5 <https://edition.cnn.com/2021/11/23/politics/biden-electric-vehicle-chargers-climate/index.html>

6 <https://www.mckinsey.com/business-functions/risk-and-resilience/our-insights/covid-19-implications-for-business>

7 <https://cybersecurityventures.com/cybersecurity-market-report/>

8 <https://hbr.org/2017/01/the-truth-about-blockchain>

9 <https://www.mckinsey.com/business-functions/operations/our-insights/automation-robotics-and-the-factory-of-the-future>

HAN-GINS Tech Megatrend Equal Weight UCITS ETF – Performance

As of 30.11.21

	1M	3M	6M	YTD	12M	2Y	3Y	SI
HAN-GINS Tech Megatrend UCITS ETF	-1.81%	0.04%	6.72%	16.00%	24.86%	92.94%	126.77%	115.10%
<i>Solactive Innovative Technologies Index (NTR)</i>	-1.77%	0.13%	6.97%	16.39%	25.34%	94.59%	130.60%	118.40%

Past performance for the index is in USD. Past performance is not an indicator for future results and should not be the sole factor of consideration when selecting a product. Investors should read the prospectus of the Issuer (“Prospectus”) before investing and should refer to the section of the Prospectus entitled ‘Risk Factors’ for further details of risks associated with an investment in this product. Source: Bloomberg / HANetf. Data as of 30/11/2021. **Please note that all performance figures are showing net data.**

Product Details

HAN-GINS Tech Megatrend Equal Weight UCITS ETF (ITEK) is a UCITS compliant ETF domiciled in Ireland. ITEK tracks the Solactive Innovative Technologies Index (Net Total Return), an index of leading companies that are driving innovation in sectors including Robotics & Automation, Cloud Computing & Big Data, Cyber Security, Future Cars, Genomics, Social Media, Blockchain and Augmented & Virtual Reality.

The Solactive Index is managed according to a published, rules-based methodology. It is designed to measure the performance of an investable universe of publicly-traded companies that are involved in innovative and disruptive technological trends across a broad range of industries mentioned. To be included, companies must derive a majority of revenue from one of these themes.

Please remember that the value of your investment may go down as well as up and past performance is no indication of future performance.

Visit the [ITEK Fund Page](#) for more information.

Exchange	BBG Code	RIC	ISIN	Valoren	SEDOL	Currency	TER
London Stock Exchange	ITEK LN	ITEK.L	IE00BDDRF700	-	BYVJ8Y3	USD	0.59%
London Stock Exchange	ITEP LN	ITEP.L	IE00BDDRF700	-	BYVJ9D9	GBP	0.59%
Borsa Italiana	ITEK IM	ITEK.MI	IE00BDDRF700	-	BFX1C86	EUR	0.59%
Deutsche Boerse Xetra	T3KE GY	T3KE.DE	IE00BDDRF700	-	BFX38M8	EUR	0.59%
SIX Swiss Exchange	ITEK SW	ITEK.S	IE00BDDRF700	43915667	BMYC3Q2	CHF	0.59%



Anthony Ginsberg, GinsGlobal Index Funds

Anthony Ginsberg is the co-creator of the HAN-GINS Tech Megatrend UCITS ETF (ITEK), enabling investors to gain exposure to the eight leading subthemes driving the Fourth Industrial Revolution, across Developed and Emerging markets. ITEK tracks a rules-based index that equally weights these eight subthemes, including cybersecurity, social media, future cars to digital entertainment, gene editing and robotics.

Anthony Ginsberg is the Managing Director of GinsGlobal Investment Management, a global asset management company offering a broad range of innovative index-linked products, for both retail and institutional investors. GinsGlobal designs index products for a number of leading financial institutions, including global insurers, banks and asset managers. GinsGlobal was founded in 2000 and has operations in North America, Africa, Middle East and Asia-Pacific.

Important Information

Please note that all performance figures are showing net data.

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