



BOTZ LN

IE00BLCHJB90

Global X Robotics & Artificial Intelligence UCITS ETF

THEMATICS



A fund that invests in companies poised to benefit from increased adoption and utilisation of robotics and artificial intelligence (AI), including those involved with industrial robotics and automation, non-industrial robots, and autonomous vehicles.

For Professional Investors only.

The fields of robotics and AI have advanced rapidly in recent years. As these technologies continue to mature and converge, costs are expected to decline and use cases to expand. This could materialise in both software (e.g., ChatGPT), as well as in more tangible applications like industrial robots and autonomous vehicles. We are still in the early stages of this broader automation trend, which is poised to disrupt a range of industries including manufacturing, healthcare, transportation, and more.

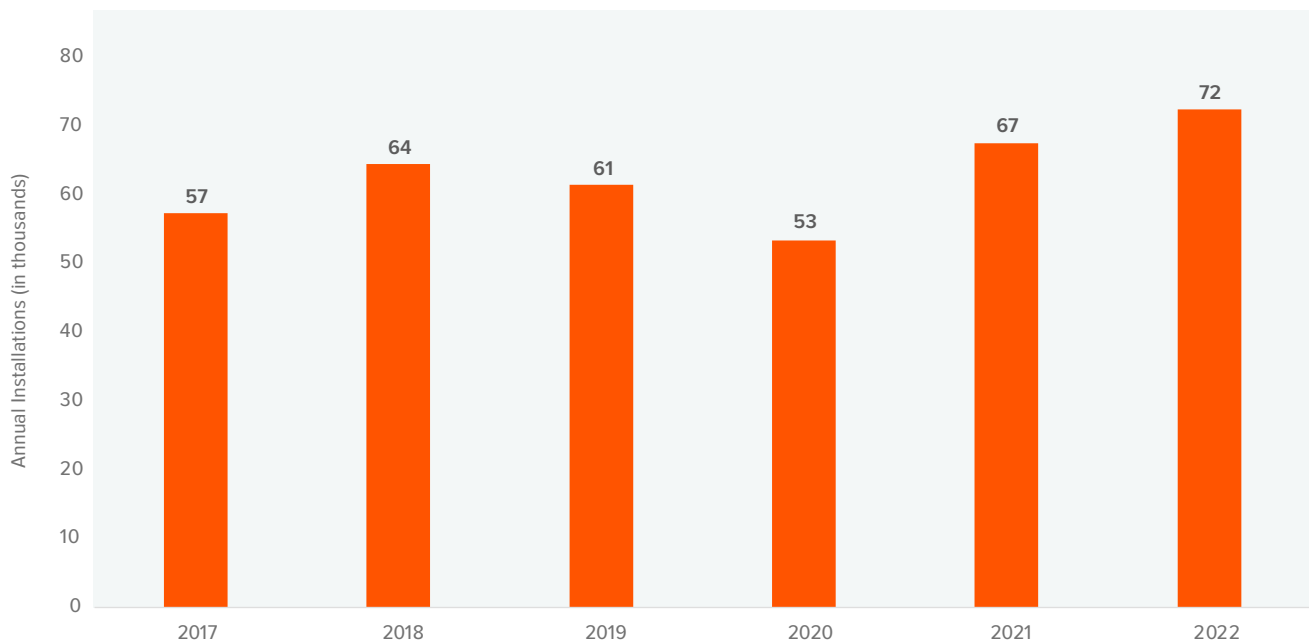
DID YOU KNOW?

- The global robotics technology market size was valued at **\$89.3B (USD)** in 2022 and is projected to reach **\$225.6B (USD)** by 2030.¹
- The cost of robotics solutions has been decreasing in recent years, a trend that is expected to continue, thereby aiding adoption. It is estimated that the cost of industrial robots has decreased by **over 30%** during the last two decades.²
- Forecasts suggest annual global spending on AI could more than double and top **\$300B (USD)** by 2026.³
- Annual spending on AI chips is projected to increase at a compound annual growth rate (CAGR) of **over 30%**, to roughly **\$165B (USD)** by 2030.⁴
- Companies can now use robots-as-a-service (RaaS) subscriptions to scale robotics into their manufacturing processes. The total addressable market for RaaS is expected to grow **nearly threefold by 2028**, as barriers to technology acquisition decline.⁵

INDUSTRIAL ROBOTS IN EUROPE ARE ON THE RISE

The top five adopting countries within the EU are Germany, Italy, France, Spain and Poland. This cohort of nations accounted for “70% of all industrial robots installed within the EU in 2022. Source: IFR.

ANNUAL INSTALLATIONS OF INDUSTRIAL ROBOTS IN THE EU (2017-2022)



Capital at Risk. All financial investments involve an element of risk. Therefore, the value of your investment and the income from it will vary and your initial investment amount cannot be guaranteed.

GLOBAL X

by Mirae Asset

Beyond Ordinary UCITS ETFs™

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FUND DETAILS

Inception Date	16 November 2021
Total Expense Ratio	0.50%
Ongoing Charges	0.50%
Primary ISIN	IE00BLCHJB90
Primary Ticker	BOTZ LN
SFDR Classification	Article 6
Underlying Index	Indxx Global Robotics & Artificial Intelligence Thematic v2 Index

FUND INVESTMENT APPROACH

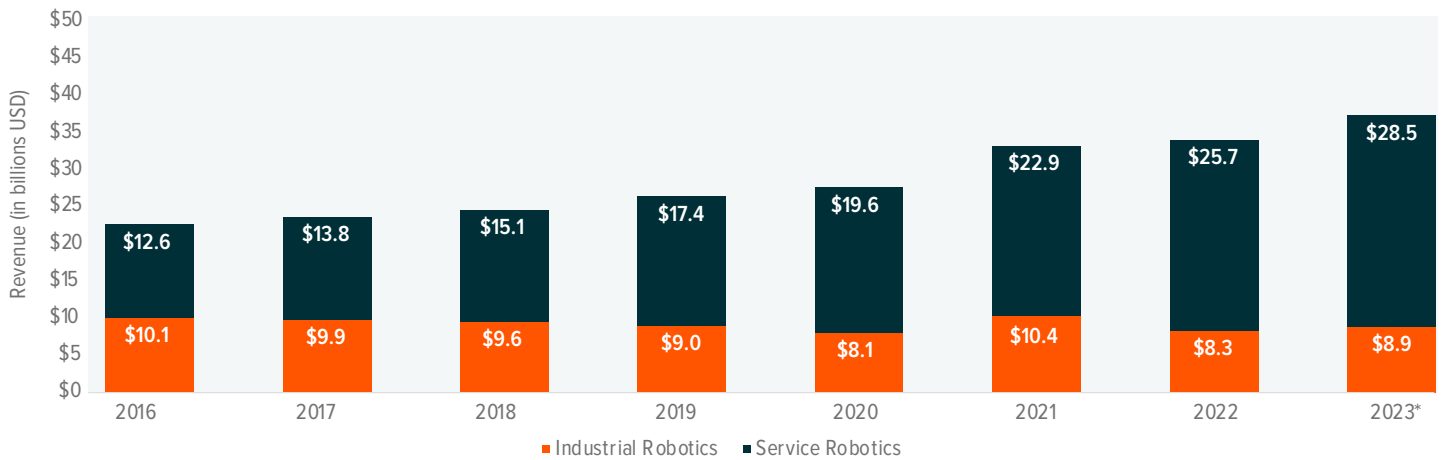
- The Global X Robotics & Artificial Intelligence UCITS ETF (BOTZ LN) provides access to a broad range of innovative robotics and AI companies, with global exposure across multiple sectors and industries.
- The initial universe of stocks includes companies that have significant revenues generated, or expected to be generated, from the adoption, development, and production of robotics and AI.
- Index components are subject to a **maximum weight of 8%**, but may exceed this level between rebalances.
- The index is reviewed **semi-annually**.

Industrial robots, such as those utilised for manufacturing in controlled industrial surroundings, were the frontrunners in deploying robotics and automation (particularly within automotive and consumer electronic companies). However, in recent years, most of the growth in robotics can be attributed to service robots, which are designed to interact and aid humans in various tasks, such as cleaning and medical aid.

THE ROBOTICS INDUSTRY SERVICE ERA IS FULLY UNDERWAY

Source: Statista *indicates forecast.

GLOBAL ROBOTIC MARKET REVENUE BY CATEGORY



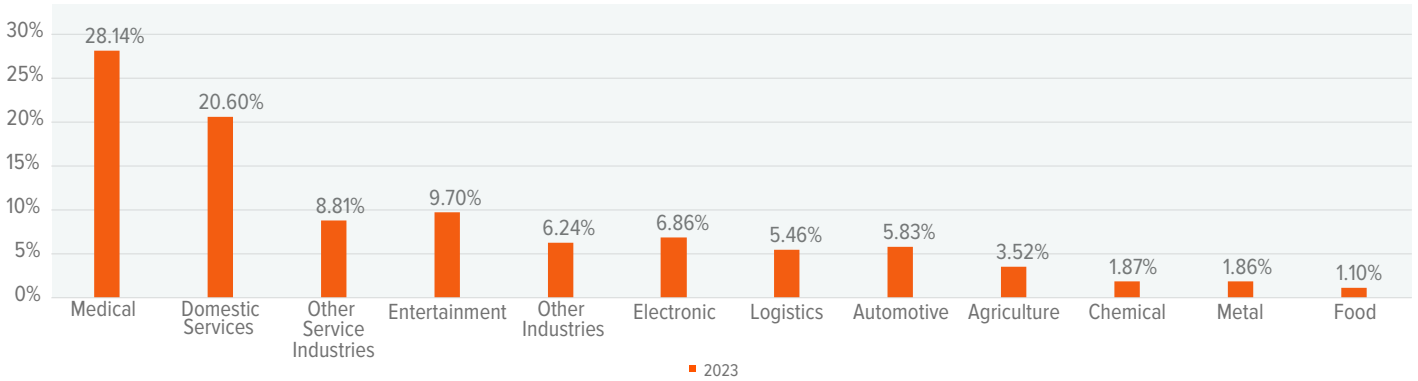


As the field of service robotics has expanded, industries such as medical and domestic services have emerged as the largest revenue verticals and are expected to maintain this position in the future.

GLOBAL ROBOTICS INDUSTRY SHARE - SERVICES + INDUSTRIAL (2023)

Source: Statista Market Insights, 2023.

REVENUE INDUSTRY SHARE

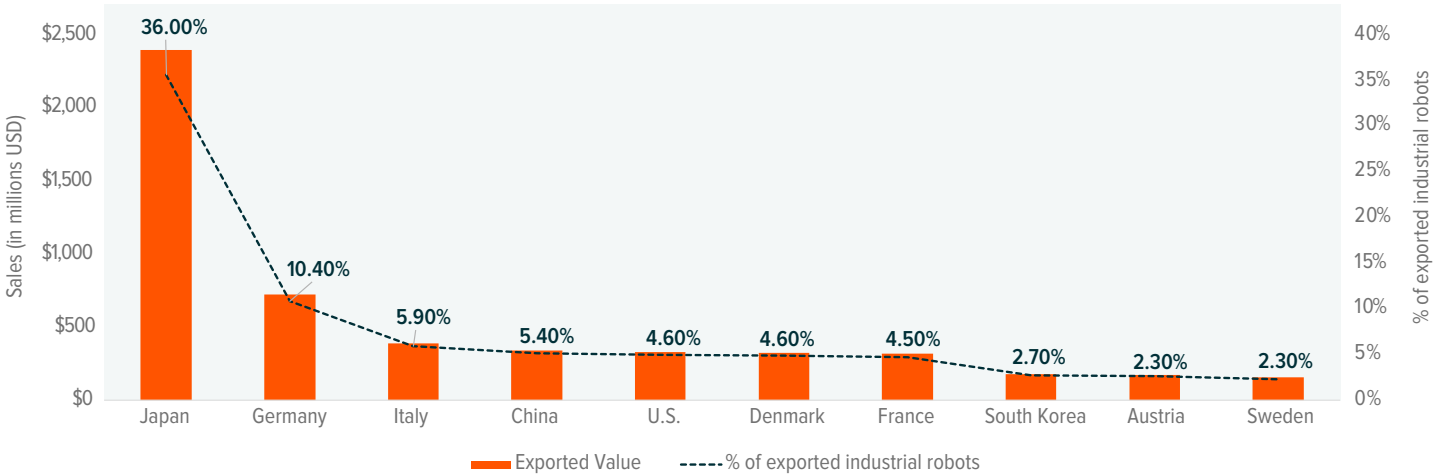


Almost half of the world's industrial robotics are manufactured in Japan. Historically, global robotics demand is highly correlated with Japanese industrial robotic production which in turn is a leading indicator of Japan's gross domestic product (GDP) growth. This coincides with BOTZ having a significant exposure to Japanese robotic companies.

JAPAN DOMINATES THE INDUSTRIAL ROBOTICS EXPORT MARKET BY A SIGNIFICANT MARGIN

The 5 largest global suppliers of industrial robots are Japan, Germany, China, the U.S. and Denmark. This quintet of countries accounted for more than three-fifths (62.3%) of globally exported industrial robots in 2022. Sources: Worldstopexports.

TOP INDUSTRIAL ROBOTS EXPORTERS BY COUNTRY (2022)





¹ Source: Precedence Research (2022, October). Robotics Technology Market.

² Source: Global X analysis of data derived from: Jurkat, A., Klump, R., Schneider, F. (2021, September 20). Tracking the rise of robots: A survey of the IFR database and its applications. Munich Personal RePEc Archive.)

³ Source: IDC. (2022, Sept 12) Worldwide Spending on AI-Centric Systems Will Pass \$300 Billion by 2026.)

⁴ Source: Global X ETFs forecast with information derived from StratView Research. (2023, Jan). Artificial Intelligence Chips Market Projected to Reach \$127.7 Billion by 2028.)

⁵ Source: Facts & Factors. (2022, March 14). At 16.5% CAGR, global robot as a service (RaaS) market size & share worth USD 44 billion by 2028 | service robotics industry trends & forecast report by facts & factors. Globe News Wire.)

Disclosures

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