

Geek+



**MOVING
THE WORLD
INTELLIGENTLY**

Successful Project Implementation

NO.1

Market share of
global AMR market *

20,000+ AMRs

Sold Worldwide

300+

Global Customers

40

Fortune 500 Companies

30+ countries

Provide Global Sales, Operation & Service Capabilities

* Data obtained from a Global Market Research Report by Interact Analysis

World Leading Technology

Geek+ provides AI-driven robotics solutions for warehousing and manufacturing. Powered by exceptional perception, accurate navigation, and powerful motion control, Geek+ solutions can be applied to a variety of industry scenarios.

750+

Patents Globally

20+ Countries

Product Certifications

CARE Strategy

To Drive Growth & Global Expansion

C

Customer
Focused

A

AI
Driven

R

Robot as
a Service

E

Ecosystem
Enabling

Customer Focused

Real Value with Smart Logistics

AMR-driven technology reduces costs & streamlines warehouse operations

2-3x

Efficiency

99.99%

Accuracy

1-3 years

ROI

1-3 months

Implementation

Creating an Agile Supply Chain

Resilience

Secure the supply chain through sustainable and continuous operations

Speed

Quickly respond to business needs

Flexibility

Flexibly meet unpredictable changes in demand

Successful Cases

Geek+ solutions apply to a wide range of industry scenarios such as e-commerce, retail, apparel, 3PL, pharmaceutical, automotive and manufacturing.

E-commerce



Apparel



Retail



Pharmaceutical



Manufacturing



Logistics



Global Footprint



- 24/7 Help Desk
- Residential Service
- Service Package
- On-Site Repair
- Training & Certification
- Remote Technical Support
- Spare Parts Service
- System Maintenance & Upgrade
- Preventive Maintenance

Geek+ has more than 750 patents globally as well as 20 certifications that meet the strictest standards around the world. For its international growth, Geek+ has implemented a 'localization' strategy by setting up regional sales teams as well as channel and service partners. All products and services are proved in local languages and adapted to customers' needs and requirements. Geek+ after-sales support provides in-depth support and superior quality service to reduce downtime of on-site equipment and systems, maximizing system availability and efficiency.

Awards



Global Top 50
Robotics Business Review
Consecutive award winner in 2019 & 2020



Supply Chain Excellence Award
Consecutive award winner in 2018 & 2019



Fast Company Award 2021



IFOY AWARD
international intralogistics and
forklift truck of the year

IFOY Best of Intralogistics
Geek+ won the award with Roboshuttle® in 2020



reddot award 2018
winner

Germany Red Dot Design Award 2018

FROST & SULLIVAN

China New Economy Award
by Frost & Sullivan



Logistics Technology
Award

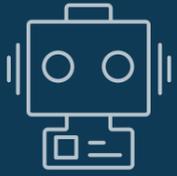
LT Summit Innovation Award



DELIVER
THE ROBOTICS BUSINESS REVIEW AWARDS

Rising Star Award
Consecutive award winner in 2019 & 2020

Technical Advantages



Outstanding AMR Performance

Stable, reliable, flexible and efficient



Business-driven Software Platform

RMS、WES、WCS、WMS and other business systems



AI Algorithms and Data Platform

Large-scale data mining, machine learning and cloud application

Full Range of Smart Robotics Products



Picking System

2-3x

Efficiency

99.99%

Accuracy



Geek+ picking system improves picking efficiency and employee productivity by 3 times. The system employs smart algorithms at its core to realize multiple functions such as order optimization, product popularity analysis and shelf recommendations, and RFID inventory.

It enables smart optimization of warehouse operations and can be configured to specific industry characteristics. It is flexible, scalable, and can be deployed in under two months. The picking system is suitable for warehouses of many industries such as apparel, e-commerce, retail, 3PL, pharmaceutical, automotive, and 3C manufacturing.

RoboShuttle System

High Flexibility

High Efficiency

High-density storage

High Cost-Performance



RS2 Single Tote-picking Robot

2-3x Efficiency of Manual Picking

AMR solution with Highest Picking Efficiency

Flexibly Implement on Existing Infrastructure

Storage Capacity 2.5x of Traditional Warehouses

Double Deep Technology for Efficient Space Utilization

Operates Single & Multi-Floor Layouts



RS5-D Double Deep Tote-picking robot

RoboShuttle is the Geek+ award-winning Tote-to-Person system, featuring high picking efficiency, high-density double-deep storage capabilities, and narrow aisle design. Make full use of vertical warehouse space with RS2 robots, compatible with multi-floor layouts, or maximize storage capacity with RS5-D robots' multiple tote-picking function and modular design, suitable for single-floor layouts. Further optimize space with RS5-DA, the double-deep tote-picking robot that can access totes of varying width.

Sorting System

Efficient | Accurate | Flexible
10x Efficiency of Manual Sorting



S 20C



S 20T



S 100C

Geek+ sorting system adapts to various parcel sorting scenarios. It utilizes robots to effectively improve operational efficiency and minimize overall costs. Geek+ currently has two solutions for floor-based sorting and multi-level sorting. The system's efficiency is 10 times higher than manual sorting, reducing labor intensity while improving overall accuracy. It is suitable for sorting scenarios in industries such as apparel, 3C, FMCG and express delivery.

Moving System

Precise Positioning

Flexible Implementation

Open-Box Solution

Safe & Reliable



M1000C



M200C



M1000R



M600C

Geek+ moving system replaces traditional fixed production equipment. With SLAM technology and multi-sensor assisted navigation method, the system is highly adaptable to the fast and flexible industrial production cycles. The moving system's interface is open, modular, and able to dock with customers' existing systems. It can connect to various types of equipment to realize fully automated moving and can also optimize inventory management and increase storage utilization.

Geek+ moving robots have a maximum load of 1,000 kg. The integrated laser and vision SLAM technology ensure that the robots follow consistent paths and have precise start and endpoints.

Forklift System

0 to 12 meters

Effective Height Lifting

50%-80%

Reduced Costs

1 to 3 tons

Moving, Storage & Retrieval



Based on proprietary SLAM navigation, the smart forklift can adapt to various complex factory and storage environments. Combined with the Geek+ AI vision algorithm, which has powerful perception capabilities, it can easily respond to various application scenarios such as unloading on the production line, high-level shelf stacking and warehouse stacking. Currently, smart forklifts have served customers in industries such as apparel, e-commerce, retail, 3PL, pharmaceutical and manufacturing.

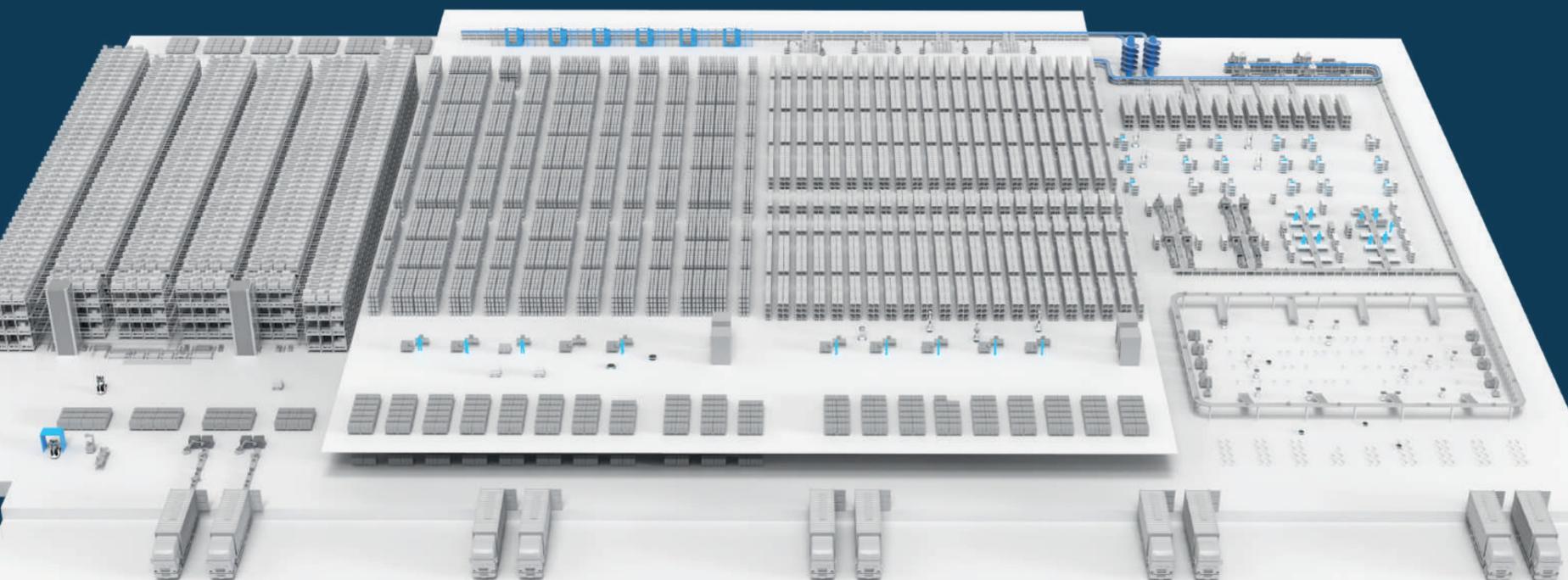
Geek+ intelligent forklift series reduces costs by 50%-80%, ensures safe operations, and effectively reduces goods damage. The forklifts can meet moving, storage, and retrieval needs at 0 to 12 meters and 1 to 3 tons. All systems have 360° obstacle avoidance and a standard pallet recognition algorithm to ensure safe and efficient unmanned operations.

Smart Warehouse

Comprehensive | Agile | Modular

Geek+ Smart Warehouse solution provides customers with flexible solution designs and simulations of the entire automated warehouse process. It also provides a one-stop service for robot warehouse applications. The Smart Warehouse system is highly modular and integrates a picking system, a moving system, a sorting system and an access system. It can also be connected to other automation equipment. The system's modular combination solves the actual needs of customers while remaining compatible to existing processes and systems.

It improves operational efficiency, saves costs and can be flexibly adjusted to handle sudden changes in required throughput capacity.



Geek+ Smart Factory

Robots making Robots

Geek+ smart factory uses robots, AI algorithms and other automated solutions to manufacture new Geek+ robots.

Powered by the Smart Factory system, Geek+ factory guarantees more precise process control and higher accuracy with a straight-through rate for the final assembly exceeding 98%. Higher traceability of processes reduces overall management costs.

- Modifications can be made to the system configuration to flexibly deal with bottlenecks, realize quick expansion as well as change production.
- The one-time pass-through rate of the assembly area exceeds 98%
- Realize multi-product production lines
- Connect WMS and MES for end-to-end traceability of over 95% of materials
- Reduce training time of warehouse operators by more than 92%



Robot-as-a-Service

The Industry's First Robot-as-a-Service (RaaS)

Released in 2018, Robot-as-a-Service or RaaS is a product developed with Geek + robots, systems and AI algorithms, providing an integrated service solution for intelligent warehouse operations and distribution. Through flexible business cooperation models, RaaS reduces the capital and capability barriers for businesses to access advanced technologies.

RaaS provides customers with robot-based operational capabilities to help them quickly achieve supply chain enhancements.

Robot Rentals

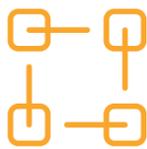
Geek+ provides robot rental services, tailored to customer demand.



Solution + Equipment

Comprehensive Management Service

In addition to the robot rental services, Geek+ provides on-site operations and management support.



Solution + Equipment + Operators

Integrated Distribution Service

Comprehensive smart logistics solution - Geek+ provides customers with integrated storage and distribution services via our smart warehouse express delivery partners.



Solution + Equipment + Operators + Warehousing and distribution

*Available in select locations (check with your Geek+ representative)

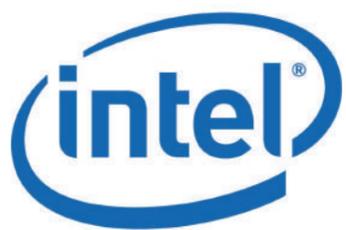
Ecosystem Enablers

Transforming the Global Supply Chain

Geek+ believe technology and industry partnerships are key to transforming the global supply chain.

Working with technology leaders in the fields of cloud computing, Internet of Things and robotics Geek+ provides customers with integrated smart logistics solutions.

We also partner with logistics real estate developers, 3PLs, manufacturers, retailers and brands to open up upstream and downstream supply chain,, promote synergies and accelerate the overall transformation of the supply chain.



Case Studies



Nike brings Same-Day Delivery to Japan

Challenge:

With a fast increase of clothing and shoe sales in Japan, more and more warehouse operators have to walk long distances back and forth between the storage area and delivery area. Additionally, an aging population increased scarcity and cost of labor.

Solution:

In July 2019, Geek+ deployed more than 200 picking robots to Nike's distribution center in Tokyo, Japan, which spans more than 10,000 square meters. The goods-to-person picking method improved Nike's warehouse sorting efficiency and reduced labor requirements.

Results:

Reduced

Costs

Improved

Sorting Efficiency

Same-day delivery

For the first time in Japan



ASDA launches UK's first national sortation project

Challenge:

With more customers shopping online, followed by surges in forward and reversed volume, ASDA wanted to boost its toyou e-commerce service to better serve online shoppers and respond to fluctuating order volumes without having to invest in additional warehouse space.

Solution:

60 Geek+ conveyor top S20C robots were deployed on a sorting area of 360 sqm in Asda's cross-docking facility.

Results:

99.99%

Accuracy

2000

Parcels / Hour

Safer Operations



3PL

eStore Logistics elevates Australian e-commerce with Goods-to-Person Picking

Challenge:

Serving over 50 leading online retailers, eStore Logistics has a wide SKU range. In turn, the 3PL needed a solution that would help them support its multi-customer business, flexibly meet rapidly changing SKUs, and enable retailers to improve fulfillment performance while remaining profitable.

Solution:

On the company's 26,000 sqm warehouse Geek+ deployed 200 picking robots.

Results:

30 %

Reduced Costs

3x

Productivity

Same-day

Delivery

99 %

Accuracy



Pharmaceutical company overcomes bottlenecks with AMRs

Challenge:

The customer wanted to adopt a goods-to-person solution to raise its split case picking efficiency, reduce the number of warehouse operators, and lower the labor intensity.

Solution:

Geek+ provided the pharmaceutical company with a customized solution that took into account industry-specific practices, including lot management, quality status management, separated management, and first-in, first-out.

Results:

Nearly **3x**

Efficiency of Manual Picking

Significantly reduced

Labor Intensive Operations



Siemens Switchgear joins industry 4.0 with Smart Logistics

Challenge:

With low warehouse storage efficiency, Siemens Switchgear was unable to meet regular storage demands while manual operations were unable to meet efficiency and accuracy requirements.

Solution:

A full-scale integrated logistics solution combining four-way shuttles, picking robots, RoboShuttle® robots, and heavy-load moving robot.

Results:

2-3 x

Storage Capacity

99,99 %

Accuracy

2,15 x

Outbound Collection
Efficiency

**More Visible
Production Flow**



Yanfeng Transforms Factory operations with Intelligent Automation

Challenge:

Yanfeng was faced with high operational costs and bottlenecks caused by slow logistics processes. Fast paced manufacturing was creating a demanding and unsafe work environment for employees while low automation led to difficulties gaining traceability of production processes.

Solution:

Geek+ provided Yanfeng with a comprehensive picking and materials handling solution. A Geek+-developed inventory process management system was introduced for managing product inventory and handling materials before and after processes.

Results:

2x

Efficiency

99.99%

System Management Accuracy

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