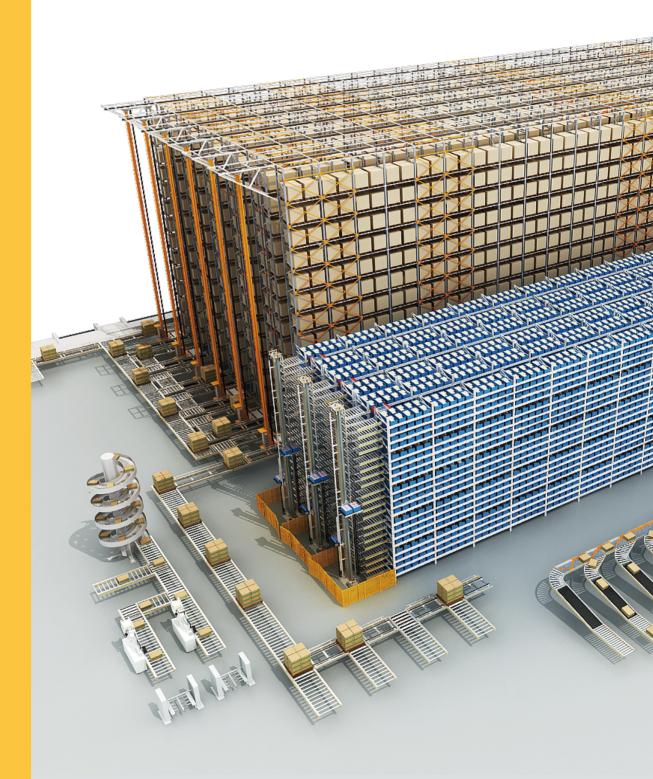
GALAXIS TECHNOLOGY

Technology Empowers Logistics





CONTENTS

About Us	03—08
Development history	03
About Us	05
Company Profile	07

Solutions	09—24
Intelligent logistics information system	09
ASRS system	11
Tote shuttle	13
Transportation Robot	15
Conveying and sorting system	17
Semiconductor automated material handling system	19
New energy lithium battery logistics equipment	21
New energy lithium battery production automation	23

Service & Support	25—26
Galaxis project reference	27—32
Cases	27

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Technology Empowered Logistics, Machine Replaces Manual Operation

PHILOSOPHY

Scenario-oriented, technology-based, value creation

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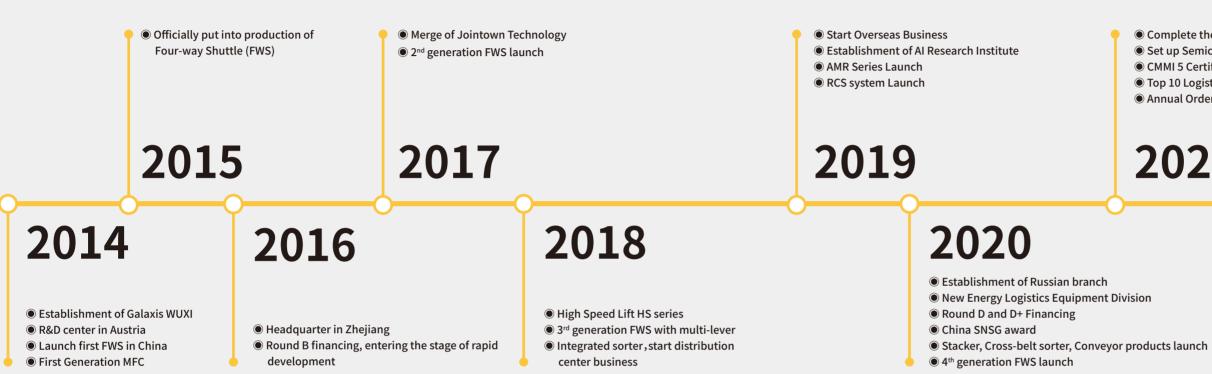
A leading provider of logistics robots, intelligent equipment and technology services

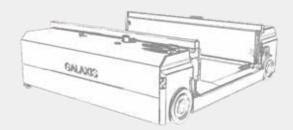
VISION

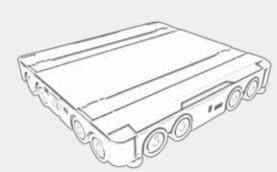
VALUES

Customer-oriented

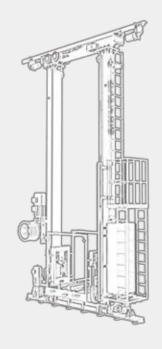
About Us













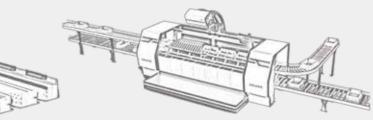


- Complete the share Reform, Establishment of Zhejiang GALAXIS Group • Set up Semiconductor Logistics Division and launch OHT & EFEM Products CMMI 5 Certification
- Top 10 Logistics Tech Startups in APAC Annual Order achieve RMB 1.5 billion

2021

2022

- Establishment of Lithium-ion Battery Manufacturing Equipment Division
- Set up Conveyor Division
- FWS-TP Pallet Shuttle launch
- Pallet Transportation Robot(PTR) Launch
- Round E Financing
- Annual Order achieve RMB 2 billion





Established in 2014, GALAXIS Technology is a high-tech Enterprise dedicated to the R&D and manufacturing of logistics robots and intelligent logistics equipment, we are committed to offer intelligent logistics system solutions in the field of industrial manufacturing and commercial circulation.

Headquarter locates in Zhejiang, with its five R&D and manufacturing bases in China, GALAXIS technology has successively launched the Full roaming 3D tote Shuttle System, Stacker System, Pallet Shuttle System, and the Pallet Transport Robot System, which can handle all types of container units from the tote, carton to pallet, with all types of AS/RS to fulfill the various requirement from our clients.

GALAXIS Technology adheres to the concept of "scenario-oriented and technology-based value creation". By virtue of its advanced robot technology, strong AI algorithm and software capability accomplished at planning, design and integration, achieved the recognition by global customers in over 30 industries including Pharmaceutical, Li-ion battery production, Semiconductor, Automotive, Retail & e-commerce, Garment, Computer & Communication & Consumer Electronic, etc.

300 +

Customers







150 Software copyrights







Mission **Technology Empowers Logistics** Scenario-oriented, technology-based, Philosophy value creation GALAXIS A leading provider of logistics robots, intelligent Vision equipment and technology services Values **Customer-oriented, Continuous innovation**

About Us

R&D, Manufacturing and Global Business Distribution



GALAXIS Project Distribution



Zhejiang GALAXIS Semiconductor Equipment Technology Co., Ltd. Zhejiang, China AMHS R&D center



Wuxi GALAXIS Technology Co., Ltd. Jiangsu, China Shuttle R&D Center



Shenzhen GALAXIS Technology Co., Ltd. Guangdong, China Lithium-ion battery Production Manufacturing Center



Guangdong GALAXIS Technology Co., Ltd. Guangdong, China Lithium-ion battery Production Equipment Manufacturing Center



Zhejiang GALAXIS Technology Group Co. Ltd Zhejiang, China Group Headquarter



Hubei GALAXIS Technology Co., Ltd Hubei, China Al Research Institute / Software Center





Guangzhou GALAXIS Technology Co., Ltd. Guangdong, China AMR R&D center



Anhui GALAXIS Technology Co., Ltd. Anhui, China Conveyor System Manufacturing Center

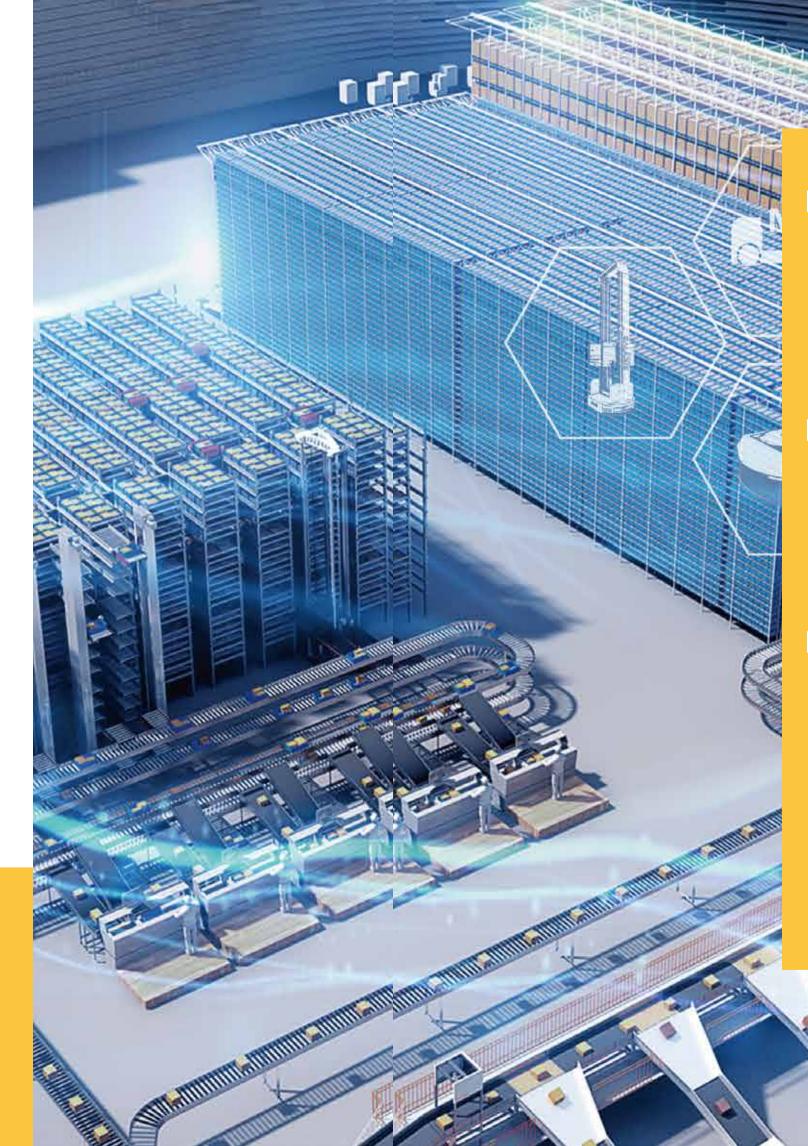
Software

GALAXIS Artificial intelligence

Along with the rapid development of cloud computing, 5G, IoT and other technologies, modern logistics is gradually transforming from automation to intelligence. GALAXIS AI Research Institute keeps tapping the application and innovation of AI technologies such as data mining, image processing, and intelligent optimization algorithms in the logistics industry, expands the application scope and collaboration scale of intelligent logistics equipment systems, and greatly improves operational efficiency, thus providing customers with solutions which are highly intelligent, flexible, highly reliable and cost-effective.

- Extreme high density storage location management
- Route selection optimization
- Automatic equipment scheduling
- Intelligent task planning based on order features





GALAXIS Warehousing System

WMS (Warehouse Management System)

Helps to boost the efficiency and productivity of warehouse processes and adapt to changing requirements is the key of Warehouse Management system developed by GALAXIS. Modular WMS designed to meet customers' large-scale automated material handling applications. A distributed technology architecture, we ensure stable and efficient performance level for B2B, B2C business.

- Various warehousing needs in supply chain.
- Strong operation strategy.
- Refined operation process design and management.
- Integrated withexternal systems.

WCS (Warehouse Control System)

GALAXIS WCS adopts a distributed system architecture for effective and direct control of warehouse equipment or subsystems (MFC, RCS etc.), thereby displaying and optimizing the efficiency of logistics equipment, and greatly improving ROI of customers.

- Available for ultra large system.
- Significantly improved communication efficiency with PLC.
- Independent of WMS and master database and capable of independent operation.
- When software partially fails, it can still run at reduced efficiency.

RCS (Robot Control System)

The Robot Control System, also known as Galaxis intelligent multi-device cluster control system, is specially designed to meet customers' needs for large-scale intelligent logistics, factory upgrades and robot cluster equipment scheduling and control, with a reliable, stable and cluster equipment efficient cluster scheduling control system for controlling AMR, shuttle boards and other intelligent equipment.

- Task distribution: centralized task receiving, intelligent task assignment, system load balancing.
- Equipment scheduling: Scheduling a variety of equipment (AMR, RGV, etc.) to work together to plan the optimal route which is most efficient.
- Traffic control: traffic control on complex road sections to prevent collisions and locks .
- Alarm service: multiple reminder methods work simultaneously .
- Integrated with WMS/WCS/MES/ERP via standard interfaces, coordinated with robotic arms, conveyor, elevators and other equipment.

ASRS System

GALAXIS AS/RS

GALAXIS provides high quality AR/RS to optimize the clients' business efficiency. We are committed to the development of intelligent storage and retrieval equipment for pallets and boxes. With the deep understanding of the logistics, GALAXIS can help clients quickly adapt the increase of competition, and the shift of consumer preferences.

- Maximize the space utilization and system performance.
- High flexibility.
- High redundancy.
- Reduced operating costs.
- Digital management function of warehouse information.

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System Scalability.





Pallet shuttle system



GALAXIS





2D Shuttle system Full Roaming

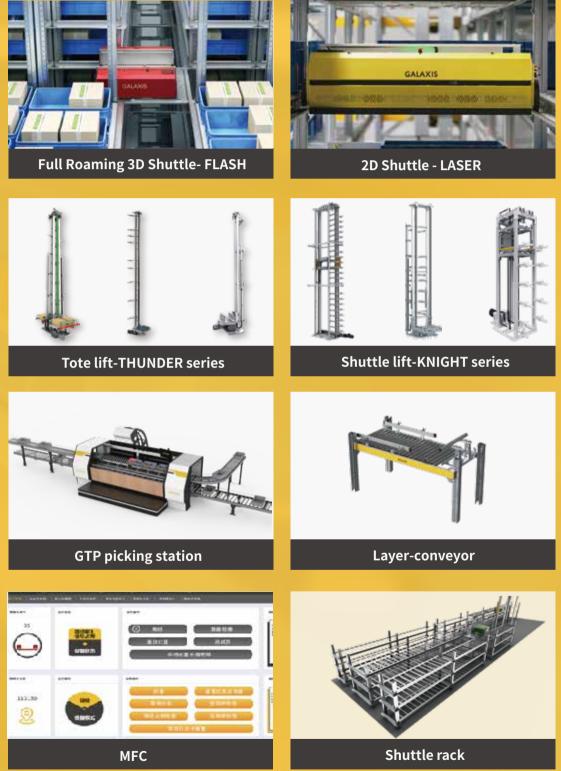
AMR system

Tote shuttle

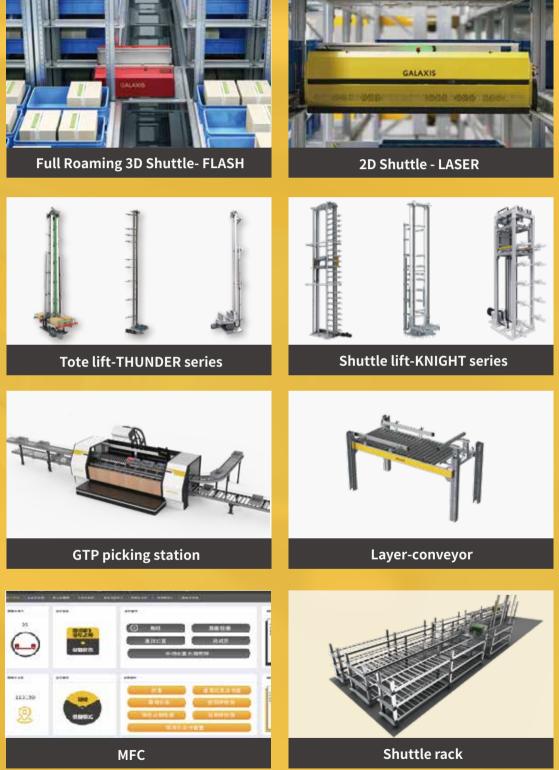
Tote Shuttle

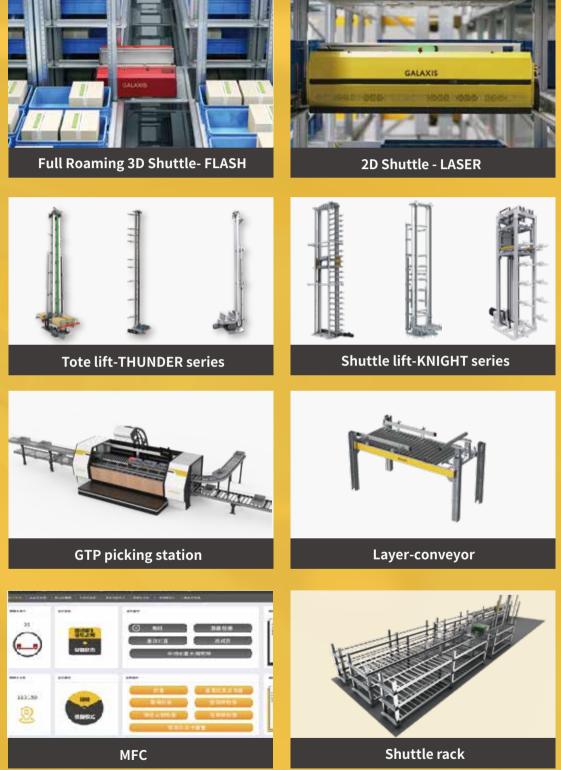
GALAXIS Full roaming shuttle FLASH is a kind of box and tote handling equipment, with lift and conveyor it can achieve AS/RS functionality. Special designed chassis makes shuttle to move in X and Y direction, with shuttle lift can makeshuttle roam in the racking system.

- First in Europe to complete development and mass produc tion of Four-way Shuttle
- CE certified, all parts and components conforming to high international standards
- Shorter time for order delivery
- Super capacitors used, 10-second charge for 3-minute operation
- Various system configurations to handle various sizes of goods
- Applicable to business models that feature fast-changing SKUs or product category









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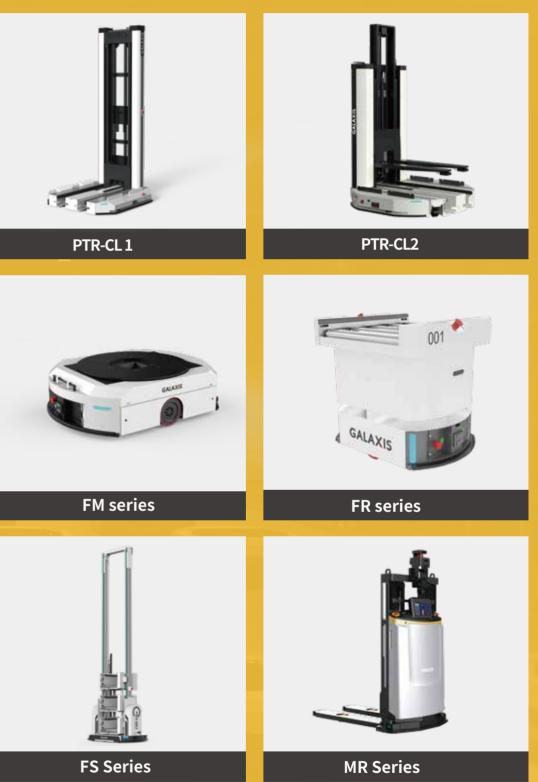
Autonomous Mobile-Robot

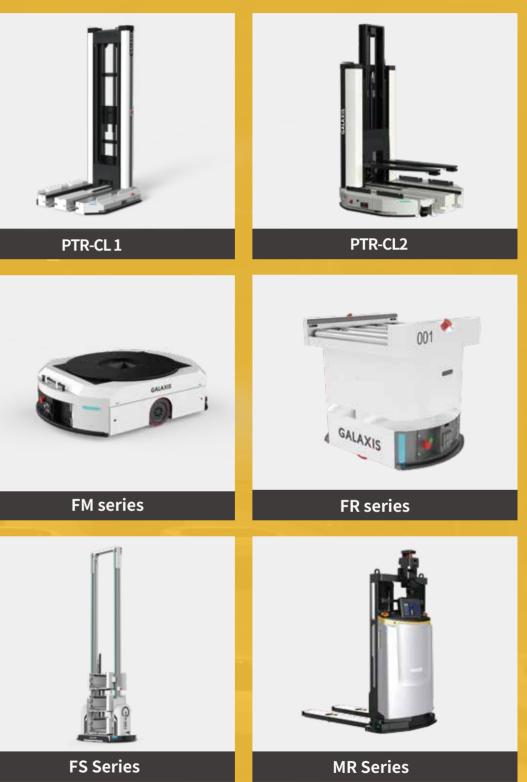
GALAXIS Transportation Robot

High flexibility in production process boosts the booming of intelligent manufacturing. The independently developed Robot Control System and AMR series products by GALAXIS, combing with SLAM visual hybrid navigation technology and modular hardware, which can be applied in flexible intelligent solutions that meet multi-industry and cross-scenario needs, support the achievement of full-process logistics automation and data visualization, driving the intelligent upgrade of manufacturing and logistics enterprises.

Rapid deployment, 1 day to complete.

- Improve work efficiency, 3-4 times more efficient than labor. Customizable, standard chassis supports multiple scenarios of customization.
- Fast and efficient, maximum operating speed 2.2m/s .
- Accelerating your investment recovery.









Conveying and sorting system

GALAXIS Conveying and Sorting Solutions

GALAXIS intelligent conveying and sorting solution can efficiently process large quantities of goods, extremely low rate of sorting errors, low noise, and low failure rate. The automated fast sorting technology can reduce the labor cost, and improve the sorting efficiency and accuracy.

- Significantly enhanced operating efficiency, high flexibility to meet different needs.
- Optimum use of warehouse space and efficiency. Reduced operating costs.

Digital management function of warehouse information. Meet operation needs of industries such as ambient, cold storage, freezers, high temperature resistance, and antistatic.







Semiconductor automated material handling system

Material Control System

The Material Control System (MCS) receives handling commands from the MES, finds the shortest path between the "tool or equipment" (hereinafter referred to as "facility") where a specific material is located and the destination facility, and issues this task to the subordinate subsystems. By monitoring the execution of each material facility task of the subordi.

- Real-time monitoring of AMHS equipment and internal transport equipment for materials (wafer cassettes).
- Support SEMI standards (SECS, GEM, Stocker SEM, IB-SEM).
 Deployment of shortest path finds efficient optimal dynamic
- Deployment of shortest path finds efficient optimal dynamic path based on plant status .
- Active-Active fault tolerance capability .
- Powerful scalability mainframe / AMHS gear, etc., can be easily integrated .









Lithium-ion battery production logistics equipment

GALAXIS logistics solutions

With years of accumulation of logistics technology and understanding of battery production process, GALAXIS acts boldly to introduce new approaches. Our business covers Raw Material warehouse, Forming and Grading Storage, automatic battery cell assembly line. And over 30 projects in China and North America.

- The core electrical & software team has more than 15 years of manufacturing experience.
- Over 25 years of experience in intelligent logistics system planning and more than 10 years experience on Lithium-ion batteries industry.
- A number of patents with self-developed software & equipment includes SRM, lift, conveyor, etc.
- Professional implementation team guarantee the delivery of Global projects.

GALAXIS



Stacker (with firefighting facilities)



Racking (with fire fighting facilities)

9



Conveyor



Lithium-ion battery production automation

Lithium-ion production automation

We have created nearly 200 applications in the Lithium- ion batteries production equipment , with the support from three main sections which are mechanical engineering, electrical engineering and technological development of new projects.

- PC and PLC option on equipments, individual development team with independent intellectual property rights.
- The PC base program writing is adjusted through structure realization, and the mechanical structure is more closely coordinated, makes the equipment operating more smoothly.
- EHMI protocol human-machine interface adopted facilitating programmng and debugging.
- Open resource, scalable, flexible and modular.







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Service & Support

Customer service and support

After-sale services

GALAXIS intralogistics solutions continually aim the standard for quality and innovation and it's the same for our commitment to customer service. Our team of experts from Service are there for you around the clock, in all conditions.





24/7 Support

Ensure maximum uptime with 24x7 Support for your operation.



Maintenance

Highly trained, dedicated field service engineers provide preventive as well as scheduled maintenance eliminating downtime.



Spare Parts

Fast and easy access to +120,000 genuine parts with different delivery/stock options to suit your needs.



System Upgrade & Optimize

Get comprehensive support for secured future growth, and by upgrading during operation, enable your business to carry on without interruption.



Technical support

A diverse range of remote support as diagnose, trouble-shooting, technical clarification and operation optimization, as well as site support on request.

Al research institute

GALAXIS is committed to promote smart warehousing and logistics services into every industry, which, by means of in-depth integration of data, robots, algorithms, system software and services with various industries, can meet users' needs for efficient, intelligent and personalized applications. It conducts in-depth researches in 3D vision palletizing/de-palletizing system, 3D vision case pick, SLAM technology, ultra-large-scale multi-agent scheduling, 5G applications, and digital twin, and keeps creating new intelligent logistics products and solutions to contribute to the rise of China's intelligent logistics.



Consultation and planning

With experience in logistics consulting and planning in medicine, e-commerce, 3PL, manufacturing, etc., with core business application scenarios running through all aspects of raw material procurement, production, transportation, distribution, and retail. It provides customers with end-to-end one-stop solutions including logistics system consulting and planning, software development, advanced R&D and manufacturing, project implementation, and operation guidance.



Raw material storage

Internal logistics

Project implementation management

With project management experience and risk management capabilities, providing customers with such services as system development, equipment manufacturing and procurement, project implementation, and operation guidance. We provide design, selection and optimization of logistics automation equipment, and offer cost-effective solutions.





storage

25













Wholesale logistics center



Regional allocation



Retail distribution center





Project Reference

Pharmaceutical

Pharmaceutical Circulation



Medicine distribution center (China)



Medicine distribution center (Korea)

Pharmaceutical Manufacturing



Finished product warehouse (China)



Raw material warehouse (China)

Medical Related



Medical equipment manufacturing (China)



Health product manufacturing (China)

🐺 Retail & E-Commerce

Retail



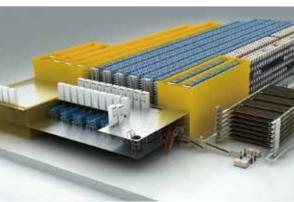
Medicine distribution center (China)

E-Commerce



E-Commerce Distribution Center (China)

Others



Fresh food Distribution Center (Israel)







Fashion industry Logistics Center (China)



Cross-board E-Commerce DC (China)





Luxury Distribution Center (Dubai)

Project Reference

Computer, communication and consumer electronics

Communication



Raw material and spare parts warehouse (China)



Regional logistics center (China)

Consumer Electronics



Electric appliances production logistics (China)



Electronic components production logistics (China)

Semiconductor



Wafer storage and transportation (China)



Data storage device warehouse (China)

🚍 Industrial Manufacturing

Automobile



Parts warehouse in automobile factory (China)

Lithium Battery



Forming and Grading storage (China)

Others



Instrument manufacturing logistics center (China)

Parts production line side warehouse (China)



Row material warehouse (China)





Heavy equipment spare parts center (China)

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