

The logo for Geek+ features the word "Geek" in a blue sans-serif font, followed by a stylized plus sign composed of three horizontal bars in blue, green, and orange.

Geek+

ROBOTICS FOR LOGISTICS

Robotic Solution for Logistics: **Innovative Technology Towards Agility**

Geek+ Mr. Zheng Yong

60M_{USD} **>1,000_{units}** **>100,000_{m²}** **30_{sites}**

The Largest Single Round of
Fundraising Globally

The Most Robots Delivered in China

Robotic Warehouse Area Implemented

30 projects in different industries

<3_{years}

Founded less than 3 years





Focus on robot technology
in logistics and warehousing



Founded in 2015, and
launch Geek Picking System



Implement in
Tmall, VIP.com, Suning



Leading brand in logistics robot



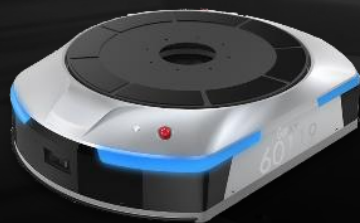
Geek Picking System



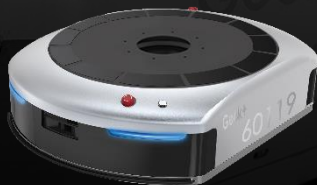
Geek Moving System



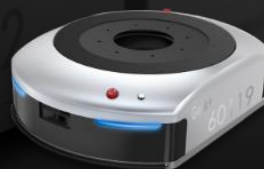
Geek Sorting System



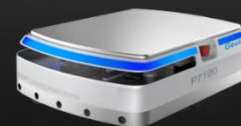
P1000



P800



P500



M100



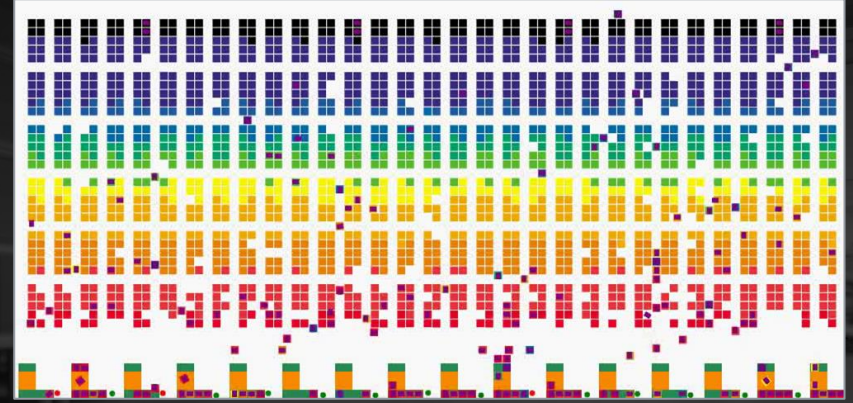
S10



- Many repeated work in warehouse leads to 60% time waste.
- Problems of Labor cost and demographic dividend

- Kiva robot system succeed in USA.
- Amazon acquired Kiva, 45K units of robot in operation till 2016.

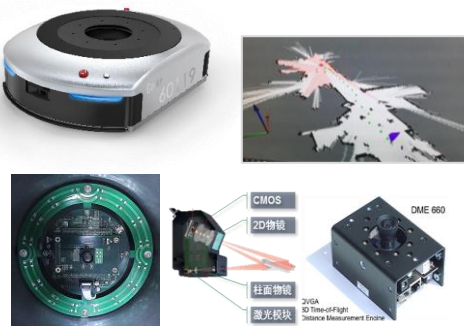
“Goods-to-person” Picking System



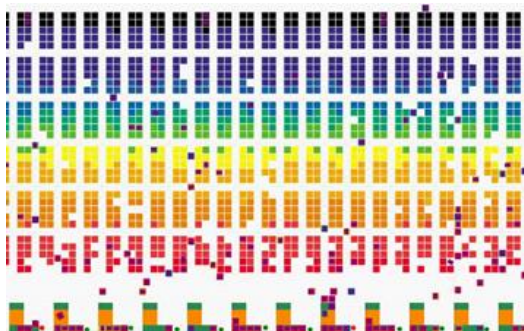
- **Inventory Mgmt.:** split storage strategy, layout dynamic optimization
- **Order Mgmt.:** batch optimization, shelf mix strategy
- **Robot Schedule:** task and path planning, congestion control
- **Seamless interface with WMS/ERP**

Robotic Solution for Logistics

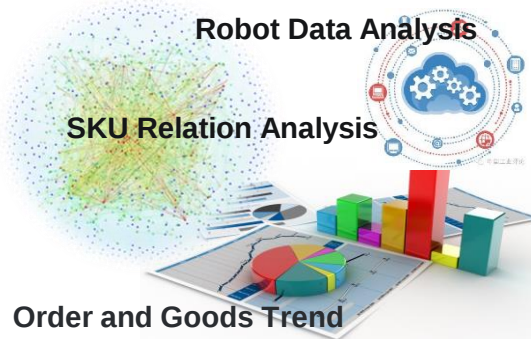
1 Hardware and Sensor Tech



2 Software and Algorithm



3 Data Mining and Analysis



4 Logistics System Design

Application Scenario

Business Characteristics

System Integration

Robotic Solution for Logistics > Kiva System

E-Commerce/Order Picking



Manufacturing/Automatic Moving



Express/Automatic Sorting



Kiva/"Goods-to-person"



Locus/Picking



Fetch/Follow Picking



Geek+/"Order-to-person"



Automation

Accurate and Efficient

Intelligence

Continuous Optimization

Fast Deployment

Respond to Market

Scalability

Lower Investment Risk

Sale

One-time Purchase

Lease

Lease by time

Operation Service

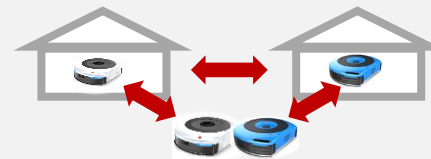
By order volume



Economies of Scale

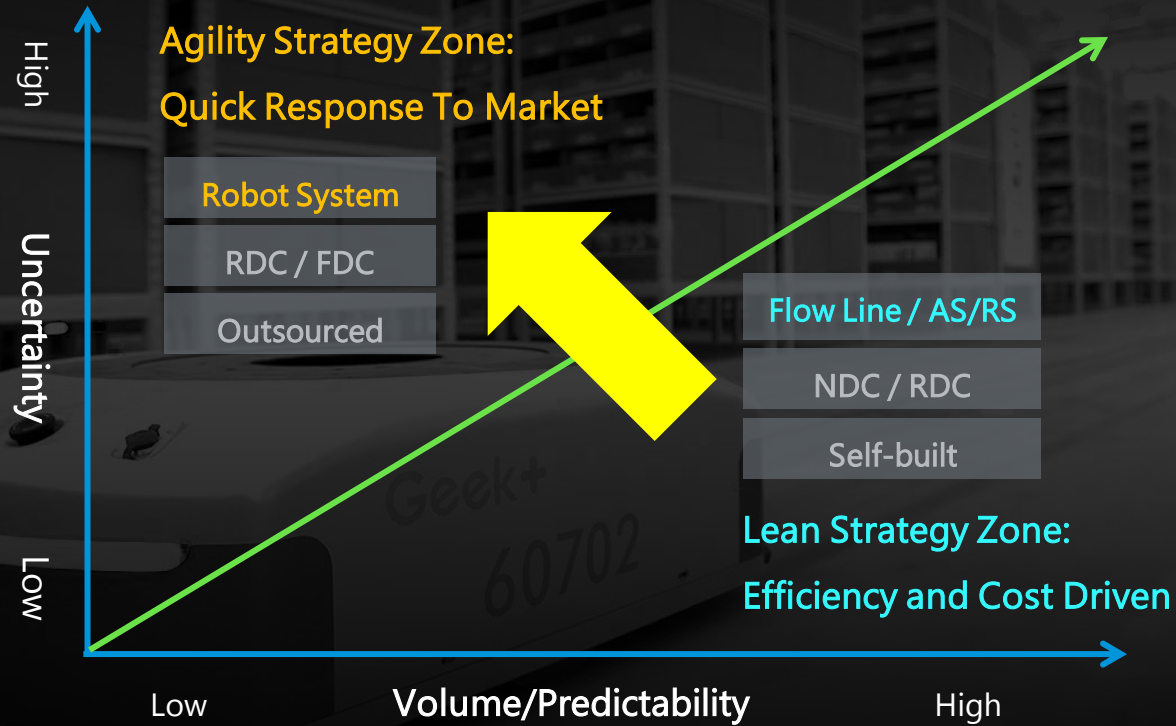


Optimal Choice



Network Effect / Sharing Economy

Flexible Automation: From Lean To Agility



The Biggest Robot Warehouse in China



- 5000m² / 100 units robot /
2000 shelves
- Storage Capacity: 1M
pcs (cosmetic mainly)
- Outbound Efficiency:
5000pcs/hour
- Picking Efficiency:
~400pcs/hour/person

Prospect Of Robotic Solution For Logistics

Intelligent Warehousing



Intelligent Delivery





Geek+
ROBOTICS FOR LOGISTICS



Intelligent Technology to
Upgrade Supply Chain