

智能化貨倉或無人倉的運作， 能否有效減低物流成本？



高繼維
集團副總裁及物流科技總監
威裕環球集團

Challenge of Automation in Hong Kong



High Capex and Long Payback

- Automation is expensive
- Very long term investment decision
- Automation is not flexible but market is fluid
- Big investment decision as solution is not scalable



THE
TIME
IS
NOW

Changes in Landscape

- E-commerce drives up Service Level
- Labour shortage and rising labour costs
- Rental increases spurring needs to optimise space usage
- Under certain circumstances automation is only way to match customer demands, with flexibility and scalability
- Technology can payback in months
- Can optimise space to save rental

About Us

- Founded in 1992 and headquartered in Hong Kong
- A leading provider of warehousing and logistics infrastructure
- Business Footprints in Beijing, Shanghai, Guangzhou, Shenzhen and Singapore
- Focuses on industrial and logistics sectors
- Diverse portfolio spanning across multiple industries, including engineering construction, logistics technology and investment & real estate

BPS Global at a Glance

Core Business



Engineering Construction



Logistics Technology



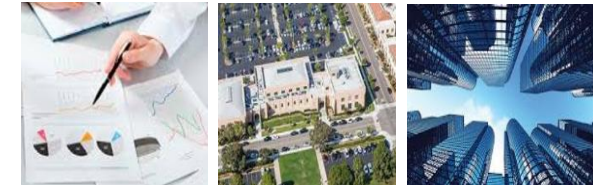
Investment & Real Estate



New Build	Alterations & Additions	Fitting Out	Design & Build	Building Services	Project Management
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Solution Design & Consultancy	Logistics Automation	Project Execution & Maintenance
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Investment Management	Investment & Development	Real Estate Agency
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Space Optimisation





Tmall Robots



Employs Robot as Pickers

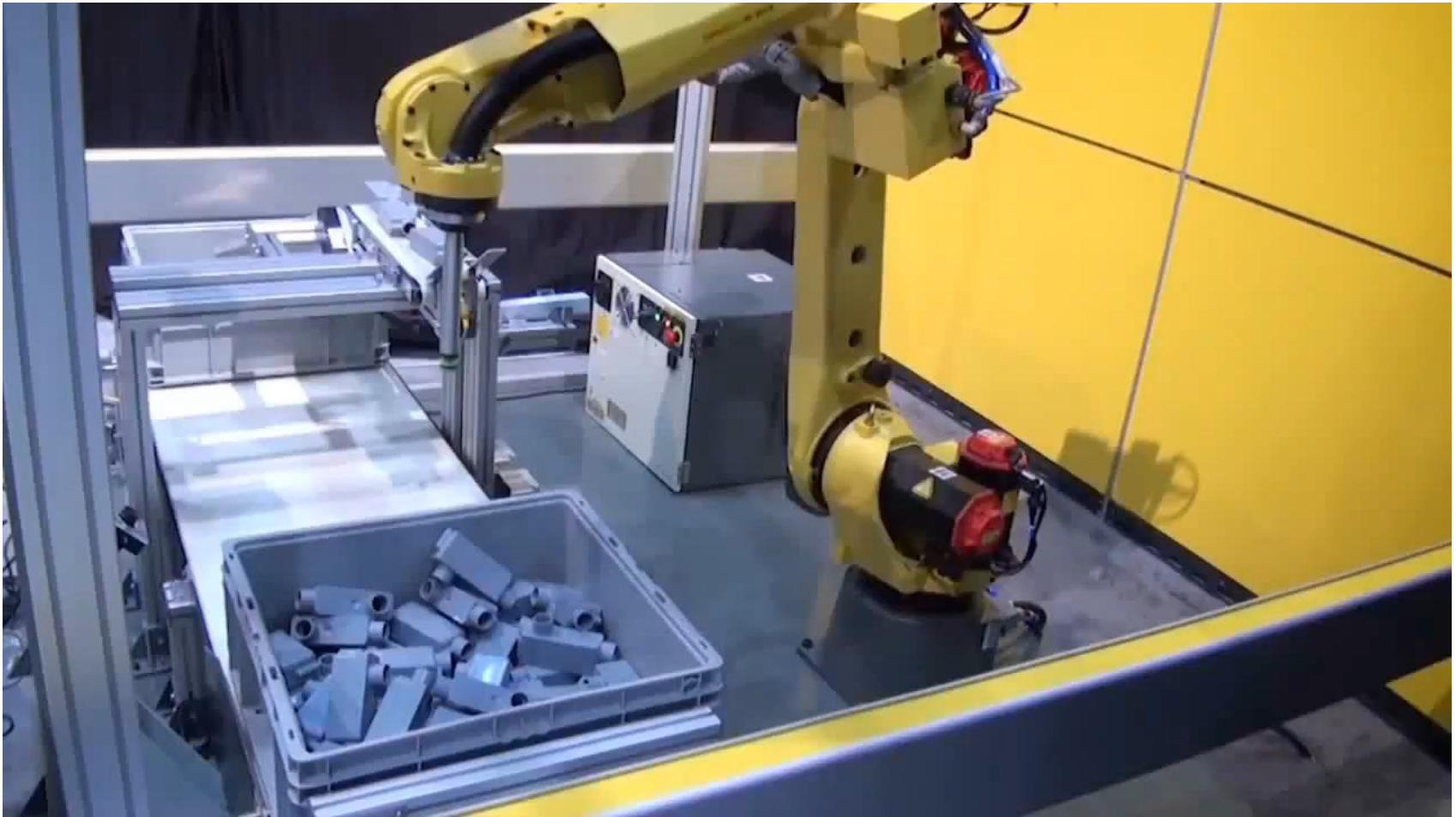


Robotic Warehouse



Robots in situ
at the Ocado warehouse

Bin Picking Robot



JD.com Unmanned E-commerce Fulfilment Warehouse



The Key to Success



The Key to Success

- Allow sufficient time and resource to validate data and assumptions
- Review the SOP to eliminate non value added process
- Engage operations team and fully consider exceptions. Very often a hybrid approach is more effective than attempting to automate everything
- Consider scenarios and validate the sensitivities by Simulation model
- Solution matters more than Technology



HAPPY 開心企業
COMPANY



ISO 9001 : 2015
Certificate No.: CC 6127



ISO 14001 : 2015
Certificate No.: CC 6243



OHSAS 18001 : 2007
Certificate No.: CC 6244



Thanks



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