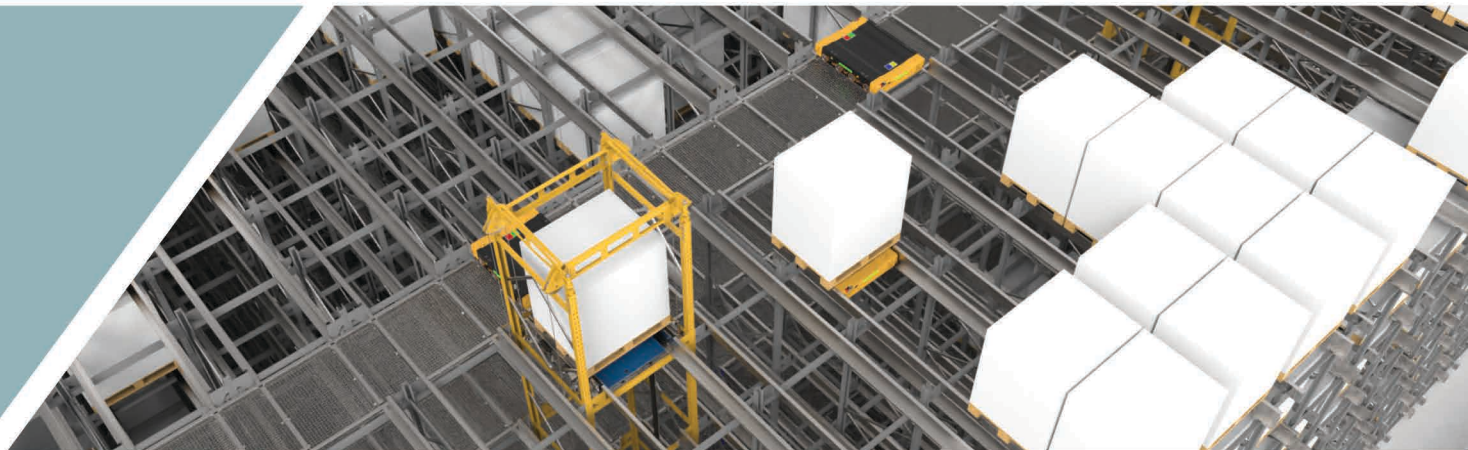




**TYT
CORPORATION**

iCUBE

The intelligent storage-retrieval system



www.tytcorp.com.sg

WHY SHOULD YOU CHOOSE THE ICUBE AS/RS

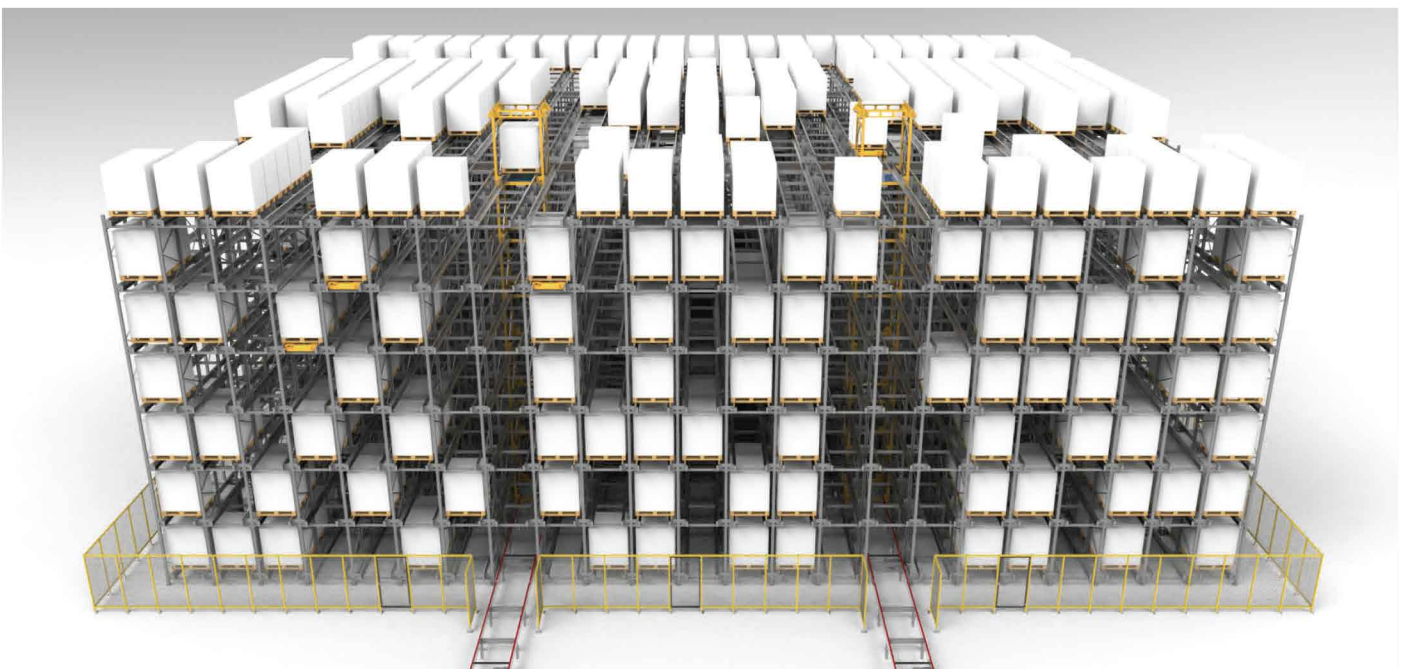
THE ICUBE AS/RS IS DESIGNED FROM THE GROUND-UP TO SOLVE THE CHALLENGES YOU ARE FACING.



Experience the iCUBE advantage: A state-of-the-art AS/RS system designed to revolutionize your warehousing operations with safety, **redundancy, intelligent automation, and energy efficiency** for maximum performance and flexibility.



- High-density storage without sacrificing **flexibility**
- A highly **modular and scalable** solution
- Enhanced safety with **collision avoidance and disruption prevention**
- Robust **design** with no single point of failure
- Energy-efficient operation for **reduced environmental impact**
- Intelligent software for **full configuration and automation control**



KEY FEATURES

Our cutting-edge iCUBE AS/RS system is tailored to meet your warehousing needs, providing **flexible storage** for multiple types of pallets and enabling easy configuration of storage and dispatch strategies.

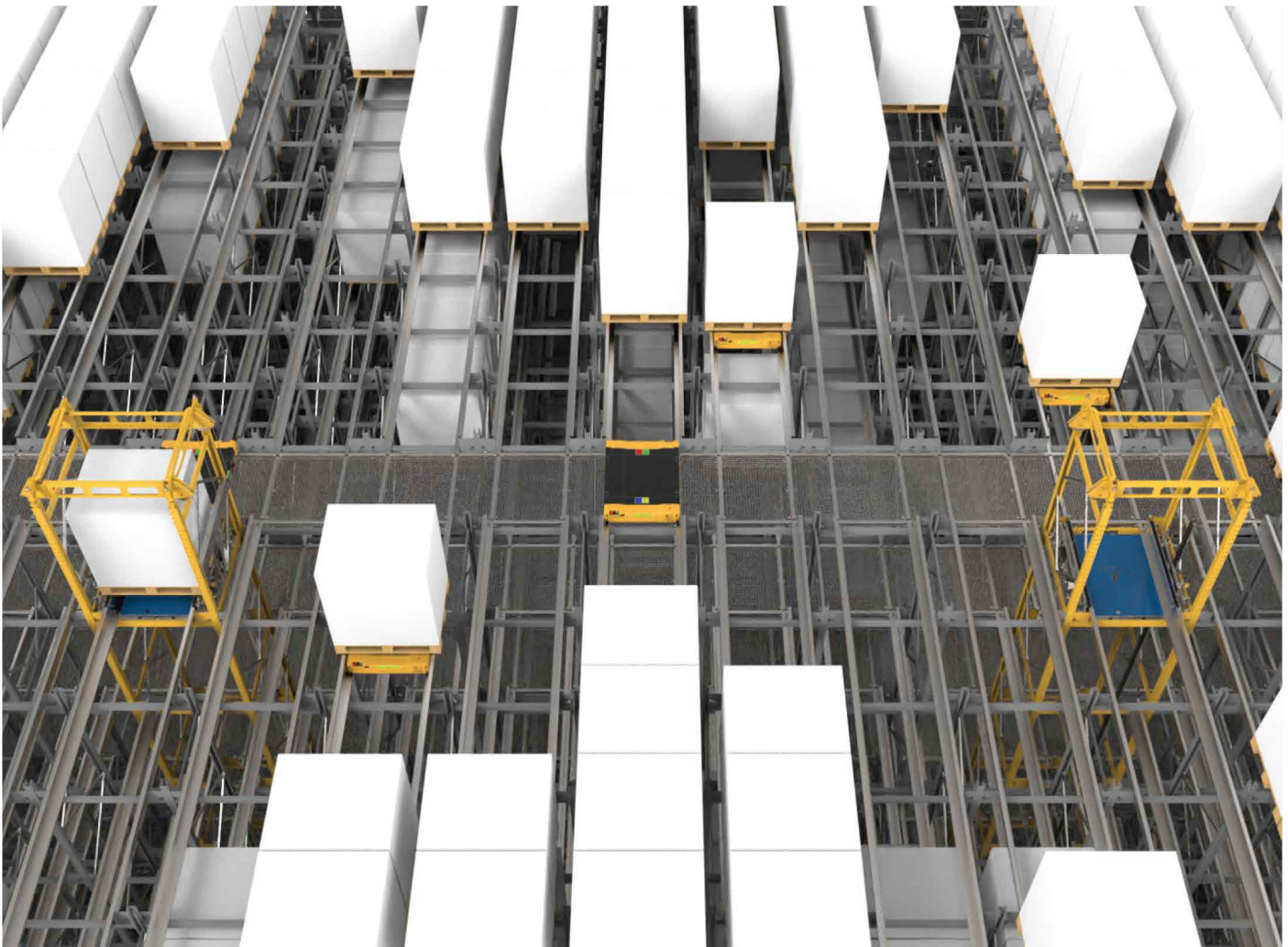


The iCUBE system uses an array of energy-efficient **E-Carriers and Lifts**, ensuring redundant operation while allowing parallel fulfillment of inbound, outbound, and order picking processes.



Easily scale the system's throughput by adding E-Carriers, Lifts, or additional racking to accommodate your growing business needs.

The iCUBE is designed for highly safe operation, **avoiding collisions and disruptions** commonly found in conventional warehouses, while also minimizing energy consumption for a more sustainable solution.



SYSTEM COMPONENTS

Pallets are transported within the iCUBE AS/RS by our proprietary **E-Carriers**. These industry leading carriers can **handle pallets of up to 1,6 tons and operate up to 16 hours on 1 charge.**



The E-Carrier is now powered by a 48V electrical system that leads to higher efficiency. The electro-motor of the E-Carrier is equipped with regenerative braking and has a cruising speed of 1 m/sec.

The lifting mechanism of the E-Carrier now operates **25% faster**, while maintaining a consistent and level lift. This is partly due to the integration of new self-braking spindles, which not only improve the efficiency of the lifting process, but also enhance its energy- saving capabilities.

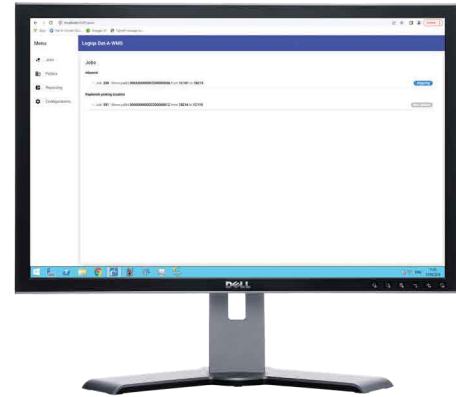
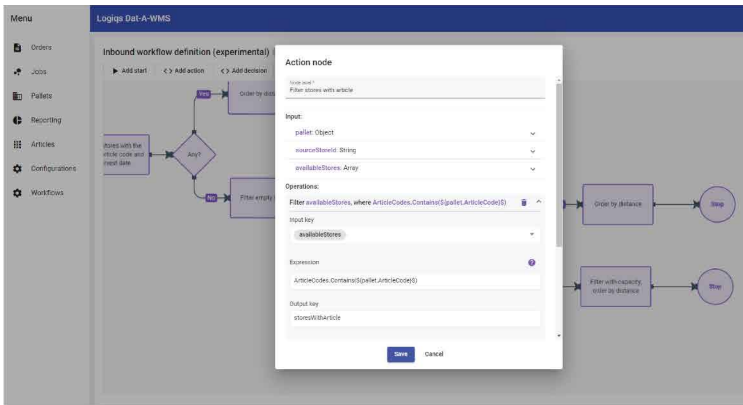
The VT's can be equipped with chain drive, and can therefore be attached to a conveyor.

The VT's can transport either just the E-Carrier, just the pallet or both. During peaks more E-Carriers can be deployed to one level of the iCube.



DAT-A-WAREHOUSE SOFTWARE SUITE

Take control of your warehouse operations with the Logiqs Warehouse Execution Software, featuring:



- Real-time overview and control of the system
- Alarm and troubleshooting for warehouse robotics
- Manual transport task assignment via user interface
- Fully automated procedures for inbound and outbound execution
- Inbound buffering and reorganizing
- Outbound buffering and order pre-sorting
- Order picking procedures
- User-configurable inbound and outbound strategies
- Pocket App with manual control possibilities

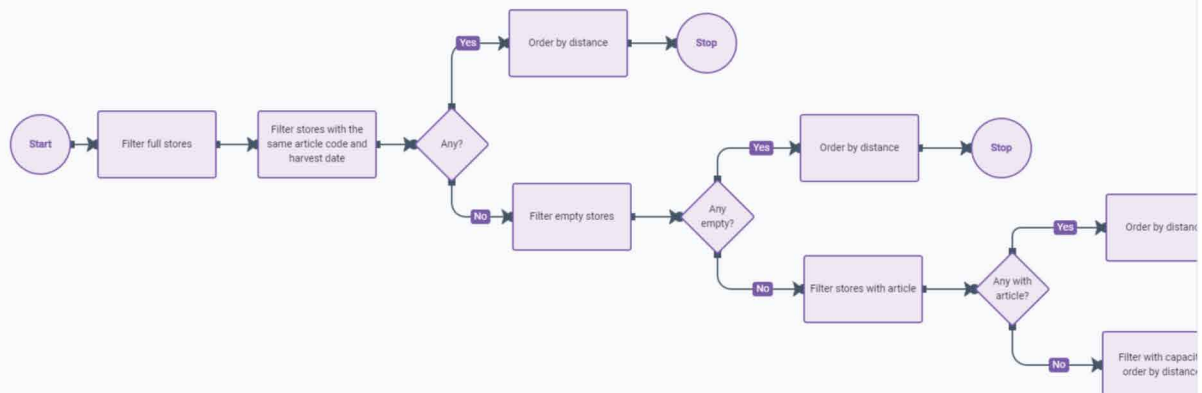
Menu

- Orders
- Jobs
- Pallets
- Reporting
- Articles
- Configurations
- Workflows

Logiqs Dat-A-WMS

Inbound workflow definition (experimental)

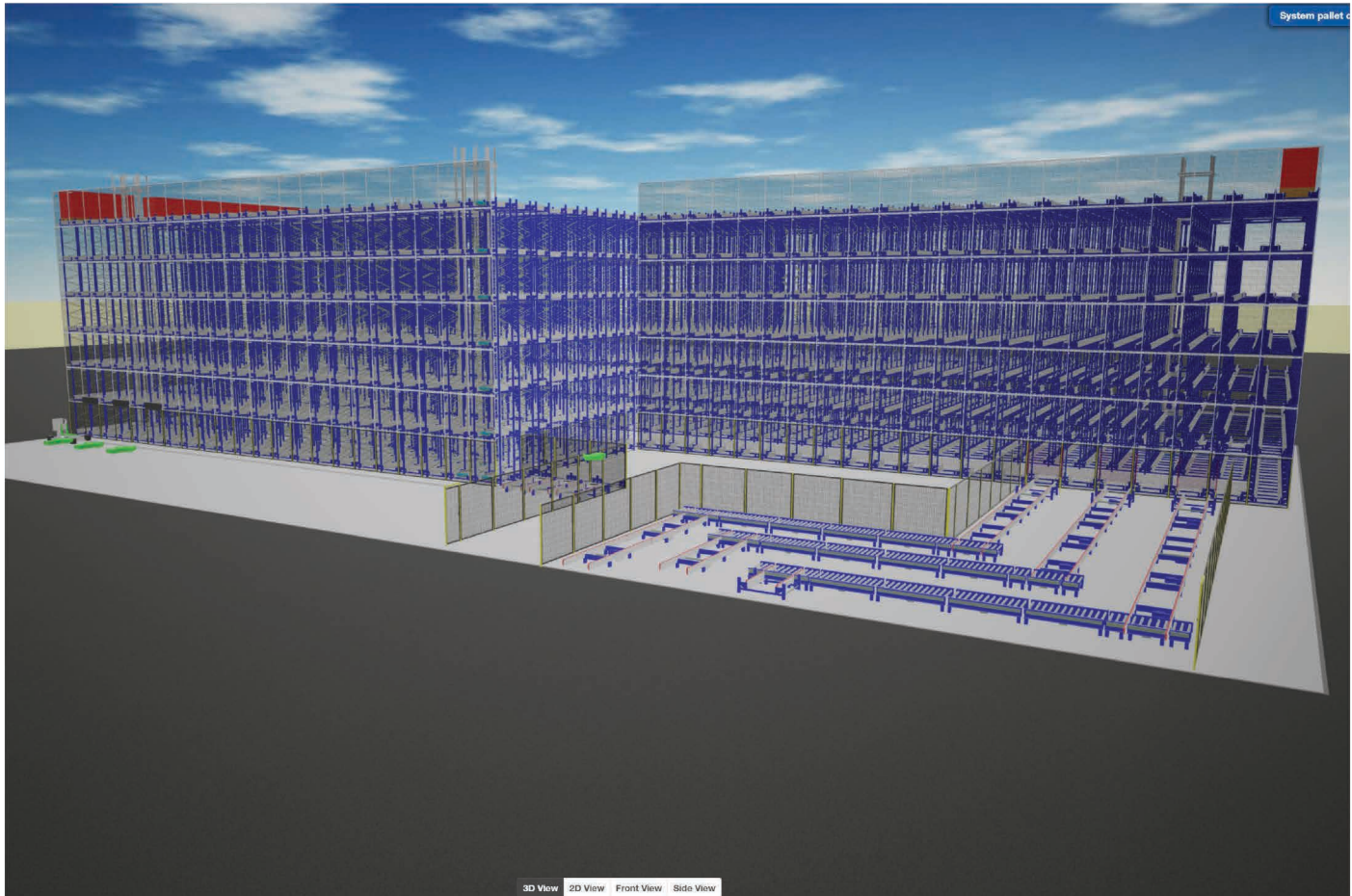
▶ Add start ◀◀ Add action ◀◀ Add decision ■ Add stop 📁 Save strategy



3D-CONFIGURATOR TOOL

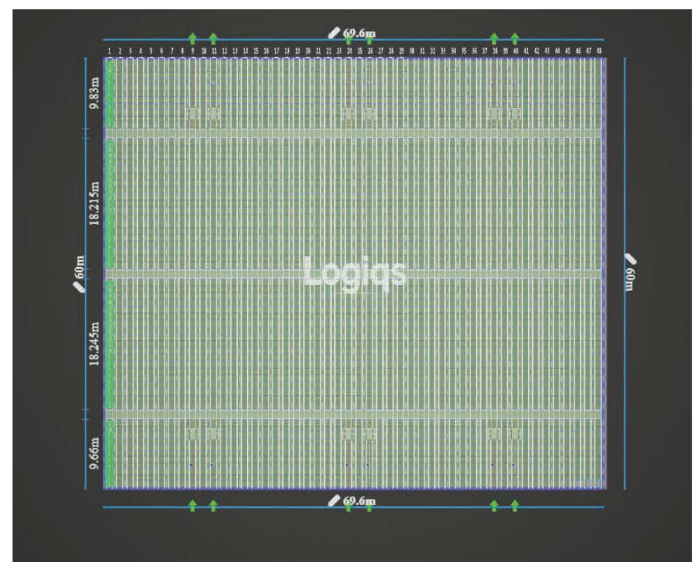
Bring Your Vision to Reality:

Design your AS/RS now with our 3D Configurator and have your warehouse up and running in less than 12 months.



We developed this tool specifically for our customers to quickly iterate on the design of their warehouse layout.

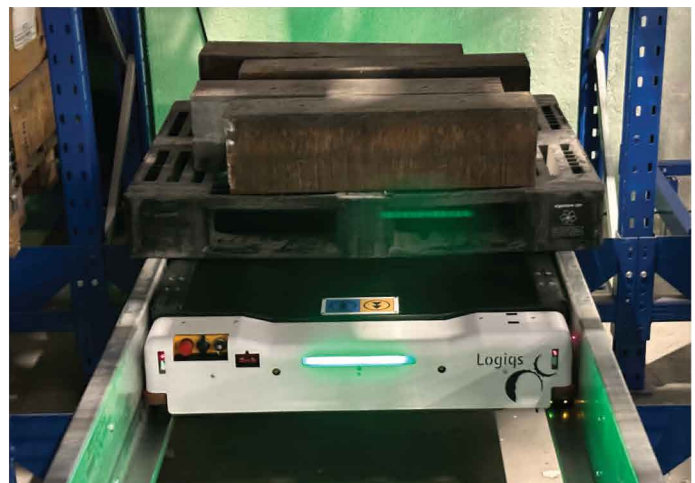
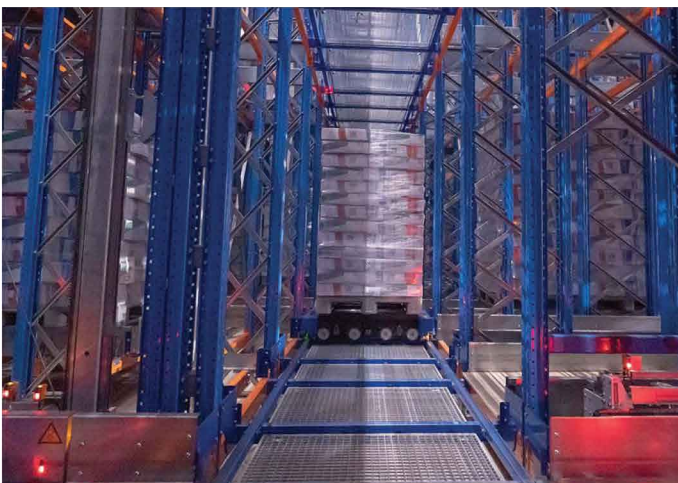
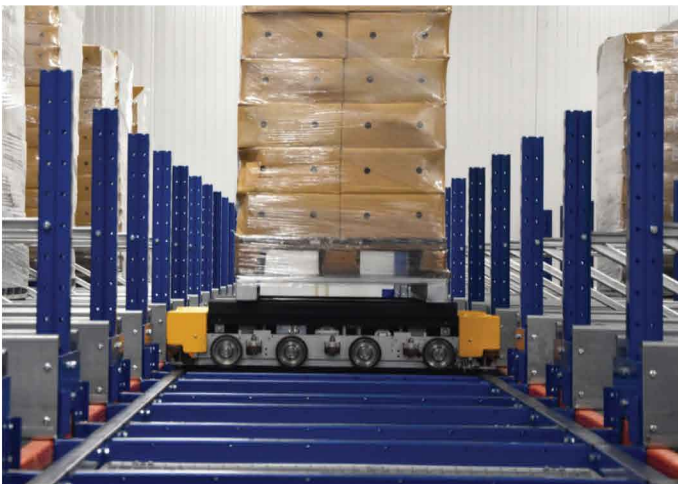
With just a click you can request a quote for your designs or assistance from a Logiqs sales engineer.



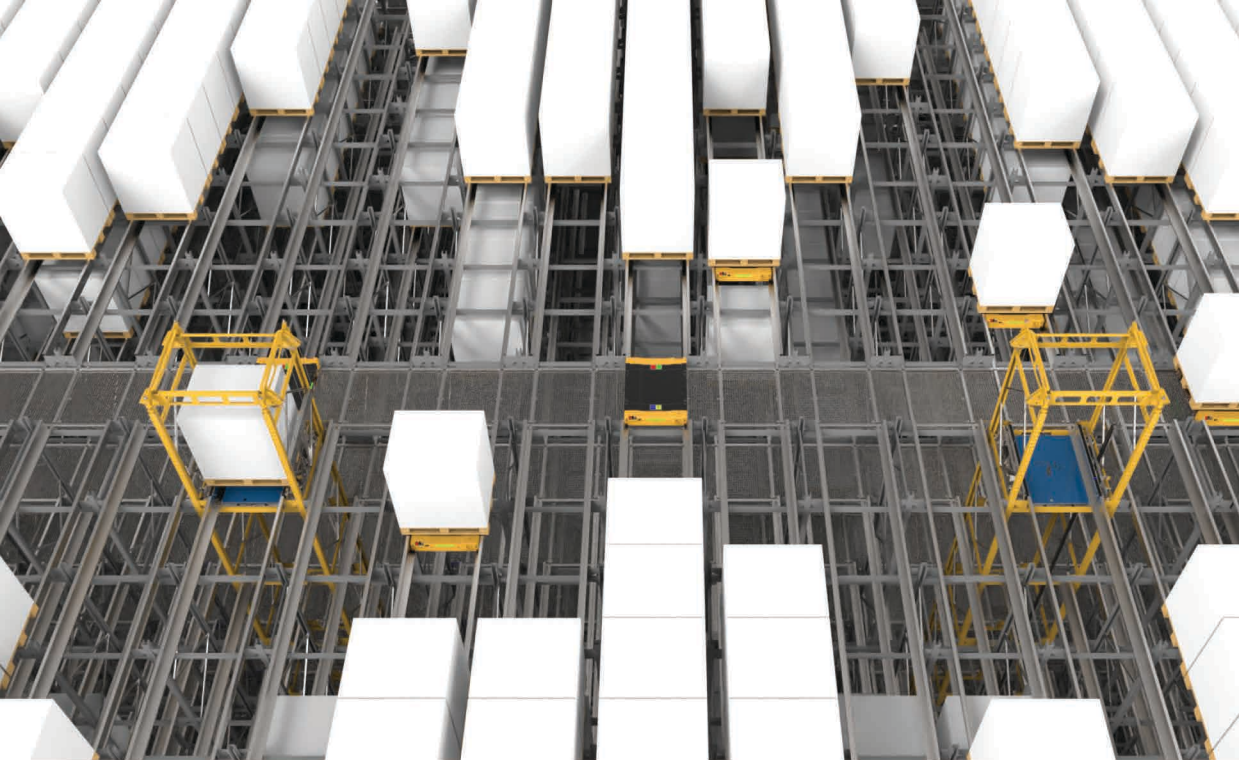
INTEGRATION AND COMPATIBILITY

Example industries compatible with the iCUBE AS/RS:

- Food and beverage industries
- Refrigerated storage
- Manufacturing (raw materials and finished goods)
- Third-party logistics
- Pharmaceutical industry
- Retail (with pallet order picking)



Seamless integration with existing warehouse management systems (WES).



**TYT
CORPORATION**

Experience the future of warehousing automation with iCUBE AS/RS, a cutting-edge, energy-efficient pallet storage solution that scales with your operation.

TYT Corporation Pte Ltd

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