

CASE STUDY

Reference: DCH Auriga: cost-saving semi-automated solution for the pharmaceutical healthcare logistics



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Exclusive storage lift functions provide compact, durable, safe, and ergonomic solutions – discover more information about SSI LOGIMAT®.

<https://pages.ssi-schaefer.com/en-sg/dch-auriga-vertical-lift-module>

SSI LOGIMAT®

DCH Auriga is an Asian-based integrated market management provider specialising in healthcare. For over 50 years, DCH Auriga helped their partners bring essential pharmaceutical and life science offerings to Asia. Offering both commercial and logistics solutions, Auriga has operations in Hong Kong, Macau, mainland China, Singapore, Thailand, Indonesia, Brunei, Malaysia, Vietnam and the Philippines, distributing more than 500 brands at over 10,000 points of sale.

With key market presence and infrastructure in place, DCH Auriga ensures their partners business needs are served regionally and supports businesses to access the fragmented market through the use of integrated technology platforms and processes, quality access and their comprehensive distribution network.

USING TECHNOLOGY TO BRING ESSENTIAL PHARMACEUTICALS AND LIFE SCIENCE OFFERINGS TO ASIA - THAILAND

Pharmaceutical distribution is complex, with the industry's own set of unique challenges, a pharmaceutical distributor or wholesaler who can cope with inventory delays or shortages, quality assurance, and global regulatory agency compliance would be more likely to succeed in their supply chain distribution.

picking and packing in the warehouse. To resolve these challenges, Pharmaceutical distributors such as DCH Auriga looks into better warehousing storage and picking solutions that will provide them a bigger advantage to be at the forefront of the industry.

Inventories shortages are an adverse effect of poor planning, inaccurate forecasts or human errors induced by long hours of



Thanks to SSI SCHAEFER's vertical lift module - SSI LOGIMAT®, the solution has enabled DCH Auriga to handle the storage of medical related goods safely and efficiently. By achieving a leaner warehouse process (picking and replenishment), we could focus on delivering medical supplies properly to the hospitals and clinics. By being one of the best healthcare logistics providers in the industry, we take pride in every single stage of the process, and to serve the industry with only the highest quality of goods.

Rathakorn Patharawetwong
Assistant General Manager
Operations and Commercial Excellence



THE REQUIREMENTS

Inside one of DCH Auriga strategically located distribution centers in Thailand - Bangkok, the 10,000 m² warehouse is one of their latest warehouses that distributes pharmaceutical related products to hospitals, clinics, independent and chain pharmacies and end-customers' homes.

To effectively store, pick and prepare the products from inbound to delivery, DCH Auriga turned to SSI SCHAEFER Thailand for solutions to not only provide optimized storage space for the delicate items, but to ensure the storage system is housed in a temperature-controlled environment, equipped with the right technology to prevent errors during their picking process.

DCH Auriga learned about storage in lift modules is an optimize way to reduce the storage footprint in a warehouse through different satisfied clients of SSI SCHAEFER in the region. Therefore, it was not difficult for DCH Auriga to modify and integrate the solution into their warehouse.



The storage lift is equipped with numerous standardized functions. These eliminate the need for expensive expansions for additional options. discover more information about SSI LOGIMAT®

<https://pages.ssi-schaefer.com/en-sg/dch-auriga-vertical-lift-module>

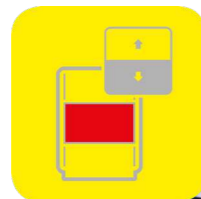
THE SOLUTIONS



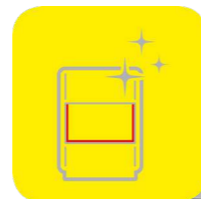
Space Optimization

Located in a 24 m² cold room, the 8.65-meter-tall SSI LOGIMAT[®] Vertical Lift Module is the vault to 1,300 SKUs of pharmaceutical and healthcare supplies. Co-sharing the vertical space of the 10,000 m² warehouse is the two-story office space where more than 50 DCH Auriga employees would work in, 4 to 6 staff working in 2 shifts would access the SSI LOGIMAT[®] daily to store the goods received, pick and pack the orders for deliveries.

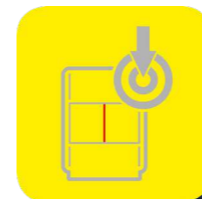
With more than 20 different options to flexibly configure the SSI LOGIMAT[®], the vertical lift module is equipped with the LOGIGATE, LOGISTAINLESS, LOGI POINTER, LOGITILT, a 17-inch TOUCH PANEL and the WAMAS LOGIMAT[®] software.



LOGIGATE
Protects the stored goods against unauthorized access and soiling



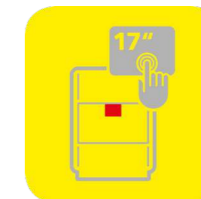
LOGISTAINLESS
Stainless, corrosion-resistant paneling of the access opening in chrome steel



LOGI POINTER
Optical indication of the storage position through a laser pointer



LOGITILT
Tilting mechanism of the tray for ergonomic operation



TOUCHPANEL 17''
Large, clearly structured touch surface for high operating comfort within the access opening



Learn more on the topic WAMAS[®] logistics software.

<https://pages.ssi-schaefer.com/en-sg/dch-auriga-wamas>

WAMAS[®] logistics software provides live updates of the material flow within the facility

Temperature Control

DCH Auriga ensures all their products storage procedure complies with the Food and Drug Administration (FDA) regulations. Using a conventional static storage solution, DCH Auriga would have required 80 m² of storage space, more electricity to bring the temperature to a range of 2°C to 8°C, a controlled temperature requirement according to the FDA regulations for the storage of medical supplies.

SSI SCHAEFER Thailand and DCH Auriga came up with a creative concept of building a SSI LOGIMAT[®] Vertical Lift Module in a shaft model, this concept would reduce the storage footprint to 20 m², bringing the electricity

cost down by 60% and save up to 90% storage space. The top of the vertical lift module is uncovered deliberately so that the blower fixed on the highest point of the shaft is able to constantly circulate cold air into the storage system, this guarantees air circulation consistency and reduces humidity in the storage.

With hourly recording of the humidity and temperature in the SSI LOGIMAT[®], DCH Auriga team is determined to protect the integrity of the medical products, fulfilling their promise to deliver quality and healthcare supplies safely to their customers.

Preventing Error in the picking process

A seamless warehouse storage and retrieval process starts from the moment the goods arrive at DCH Auriga warehouse. The 8.65-meter-tall SSI LOGIMAT[®] is used to store small to medium size goods which are high in value, medium moving and consist of a variety of SKUs. The general shelving and pallet shelving are used for the storage of lower value and faster moving goods. Since the process to pick from 50 trays consisting of

26 SKUs each on an hourly basis can become labour intensive and time consuming if not done properly and efficiently, it is important to eliminate unnecessary work steps and include intuitive movements whenever possible. The following SSI LOGIMAT[®] options enhanced the goods-to-person process and increased the picking performance by 20 percent.

FACTS AND FIGURES

System Key Figures

Storage space	10,000 m ² in total (SSI LOGIMAT® warehouse area = 24 m ²)
Stock keeping units (SKUs)	Approximately 1300
Activity peaks	Approximately 680 lines per month, 1,940 units per day

SSI LOGIMAT® Vertical Lift Modules

Specifications	
Number	1
Width	4,570 mm
Depth	3,092mm
Height	8,650 mm
Number of trays	50

Options	
LOGIGATE	Protects the stored goods against unauthorized access and soiling
LOGITILT	Tilting mechanism of the tray for ergonomic operation
LOGISTAINLESS	Stainless, corrosion resistant paneling of the access opening in chrome steel
LOGIPOINTER	Optical indication of the storage position through a laser pointer
17-inch TOUCH PANEL	Large, clearly structured touch surface for high operating comfort within the access opening

Software	
WAMAS LOGIMAT®	With order handling



Case study:
Cost-saving semi-automated solution for
the pharmaceutical healthcare logistics

https://pages.ssi-schaefer.com/en-sg/dch-auriga_case-study

SIX REASONS FOR CHOOSING SSI SCHAEFER

- **Stability**

As a financially independent family business, SSI SCHAEFER is committed to long-term solutions. You can trust that our team of experts will be there for you today, tomorrow and in years to come.

- **Efficiency**

SSI SCHAEFER solutions are scalable and able to grow with your business. You can always upgrade or retrofit.

- **Quality**

As a systems specialist and original equipment manufacturer, SSI SCHAEFER provides tailor-made and high-quality solutions from a single source, specifically designed to meet your challenges.

- **Reliability**

Thanks to our worldwide Customer Service & Support network, SSI SCHAEFER ensures smooth operation of your system, both during and after installation.

- **Know-how**

SSI SCHAEFER solutions are always up-to-date with the latest technological standards and can be easily integrated into an existing (IT) landscape.

- **Internationality**

As a global organization, SSI SCHAEFER has local offices worldwide. With over 70 operative subsidiaries, our team of experts speak your language.

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