

CASE STUDY

Reference Teerachaiphaisarn Corporation, Thailand:
Electrical equipment distributor ensures fast supply
chain with a seven-level mezzanine system

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Teerachaiphaisarn
Corporation Company Limited
บริษัท ทีระชาไพสาร์ คอร์ปอเรชั่น จำกัด



SSI SCHÄFER

ABOUT TEERACHAIPHAISARN CORPORATION

Teerachaiphaisarn Corporation is a leading importer and wholesaler of electrical components in Thailand. For over 40 years, the company has been offering quality products such as control components and accessories for control systems. Currently, Teerachaiphaisarn Corporation handles over 500 dealers and continues to set new standards for product reliability and excellent customer service.



PROJECT OBJECTIVES

- Provision of a 1,300 m² for approx. 12,000 SKUs
- Maximize storage capacity with multi-tier storage system
- Process optimization of goods across the various levels of shelf platform system
- Improve work efficiency and operation productivity





Fast-moving items stored at the ground floor



Goods lift integrated into platform system for access to all floors



THE CHALLENGE

Teerachaphaisarn Corporation wanted to provide customers with a comprehensive product range for complex applications. The aim is to increase product range and create a better overall customer experience. In addition, the growing demands created an issue of storage space to ensure a fast supply chain to serve the Thai market demand.

Teerachaphaisarn Corporation built a new distribution center and worked closely with SSI SCHAEFER to optimize space utilization and product traceability.

THE SOLUTION

Teerachaiphaisarn Corporation selected SSI SCHAEFER to conduct an analysis of the warehouse activity and propose a cost-effective storage solution. The solution comprises of a 7-level multi-tier Mezzanine fitted with the Interlock 600 Long-span Shelving to provide customizable storage for a wide range of SKUs.

The shelving systems include multiple adjustments to provide ideal ergonomics for the storage of cartons, small parts boxes and loose items. Thanks to the superior materials, the structural design offers not only

a high load capacity but also a maximum amount of safety to the warehouse.

In order to optimize the flow of the supply chain in the warehouse, goods are categorized on specific floors of the mezzanine. Goods with fast-moving categories are stored on the 1st to 3rd floor, slower-moving items are on the 4th floor and buffered stocks are on the 5th and 6th floor. The rooftop on the 7th floor is catered for air ventilation.



Multi-level Mezzanine platform for maximum space capacity and more work space

THE RESULT

With 2,314 compartments to store part items of various SKUs, SSI SCHAEFER solution for Teerachaphaisarn Corporation has successfully catered the storage space for over 12,000 SKUs. Most importantly, the solution improves operation productivity throughout the warehouse to serve customers efficiently and quickly.



“With a very cost-effective solution that delivered an increase storage capacity perfectly. So we were very happy with SSI SCHAEFER as our implementation partner.”

Mr. Chayamporn Taeratanachai
 Managing Director
 Teerachaphaisarn Corporation



Extensive selection of accessories for fire safety and ventilation requirements

FACTS AND FIGURES

System Key Figures

Warehouse size	50 x 26 x 18 m (L x W x H)
SKUs	12,000
Activity peaks	Approx. 1,500 order lines per day on average. Dependent on construction season. No seasonal influences.

Scope of Supply and Services by SSI SCHAEFER

Design Conceptualization	
Concept design	- Creation of a logistics concept - Data analyzing and execution planning
Storage	
Mezzanine	Interlock 600 long-span shelving Shelf depth: 600 / 1,000 / 1,200 / 2,000 / 2,500 mm Shelf height: 2,700 mm per floor Total shelf: 140 bays
Storage locations	2,314 shelf compartments
Size	7-level facility 33 x 40 x 16 m (L x W x H)
Accessories	Mesh grating, wire mesh decking panel



Flexible storage of items from large cartons to loose items



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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