

July 27, 2023

Kawasaki Kisen Kaisha, Ltd.

Start of Operation of Freezing and Refrigerating Warehouse No. 3 in Bangkok

Kawasaki Kisen Kaisha, Ltd. (“K” LINE) is pleased to announce that its Thailand-based Group company Bangkok Cold Storage Service Ltd. (BCS) will commence, on August 1, the operation of a new warehouse in the Bang Na district of Bangkok.

The new warehouse is situated in a prime location 30 km from Bangkok’s city center, the largest consumption area in Thailand, and it fulfills its functions as a storage and shipping base for foods, drugs and commodities that require freezing or refrigeration. By employing the latest version of ASRS (Automated storage and retrieval system<sup>\*1</sup>), as a new storage facility in the freezing storage, storage, acceptance and delivery tasks are automated. Also, by employing mobile racks in chilled and constant temperature storage, it has increased the speed of loading and unloading operations. The warehouse also includes two processing rooms, where food processing is possible, to meet the diverse needs of customers. BCS has obtained the ISO 9001, ISO 14001, ISO 45001, and HACCP & GHP certification at its existing warehouses and plans to obtain these same international standard certifications for the new warehouse within days.

“K” LINE has been promoting carbon reduction and the decarbonization of the company and society and has designed and constructed this new warehouse based on an ultra energy saving concept. The building is covered with double heat-insulating panels. The freezing system employs an energy-saving secondary loop method, which uses natural refrigerants (ammonia and CO<sub>2</sub>), and only CO<sub>2</sub> circulates in the storage area. Furthermore, a 600 Kwh solar panel is installed on the roof, aiming to reduce power consumption during the day approximately 60% compared with conventional refrigerating warehouses.

[Overview of the New Warehouse]

Name: Bangkok Cold Storage Service Ltd. No.3 COLD STORAGE

Address: 199/9 MOO 9 TAMBON BANGCHALONG AMPHUR BANGPLEE SAMUTPRAKARN  
10540.

Service Launch Date: August 1, 2023

Main Business Activities: Freezing/refrigerated cargo storage, distribution processing, food processing, packaging, domestic refrigerated delivery, etc.

Total Floor Area: 7,000 m<sup>2</sup>

Storage warehouse temperature: Freezing -25°C

Chilled 0 - 15°C

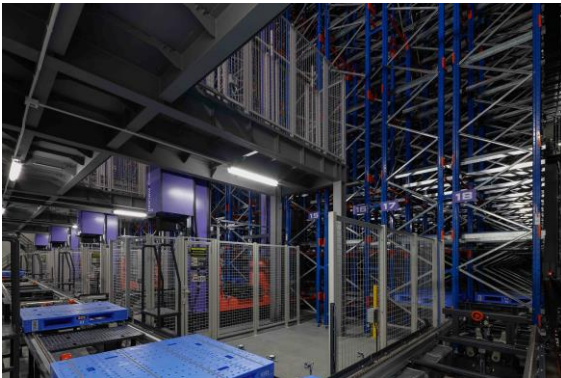
Constant temperature +25°C

[Exterior View of the New Warehouse]



[Interior View of the New Warehouse]

ASRS



Mobile racks



“K” LINE has been operating regular warehouses and freezing and refrigerating warehouses with close ties to the community in Thailand for over three decades. We have provided logistics services by situating each warehouse in a prime location, such as on the outskirts of Bangkok, within an industrial zone with a high concentration of Japanese companies, at Suvarnabhumi Airport and near Laem Chabang, one of Thailand’s major ports.

In addition, its group company K Line Container Service (Thailand) Ltd. (KCST) commenced the operation of general warehouses on the same premises on April 1 of this year.

In its management plan, “K” LINE has positioned the logistics business as a major business contributing to stable revenue. Going forward, “K” LINE will continue to provide high-quality logistics services and solutions to meet increasingly diverse customer needs and growing demand, with a focus on Southeast Asia, which will continue to show remarkable economic growth.

**[Overview of Warehouses in Thailand]**
**BCS Freezing and Refrigerating Warehouses**

	Area	Land Area (m <sup>2</sup> )	Total Floor Area (m <sup>2</sup> )
Warehouse No. 1	Outskirts of Bangkok (Bang Na district)	6,744	4,300
Warehouse No. 2	Outskirts of Bangkok (Bang Na district)	12,331	6,300
Warehouse No. 3 (new warehouse to commence operations in August 2023)	Outskirts of Bangkok (Bang Na district)	17,741	7,000
Freezing and Refrigerating Warehouse Total		36,816	17,600

**KCST General Dry Warehouse**

	Area	Land Area (m <sup>2</sup> )	Total Floor Area (m <sup>2</sup> )
Warehouse No. 1	Outskirts of Bangkok (Bang Na district)	28,817	8,900
Warehouse No. 3	Amata City, inside Chonburi Industrial Estate	49,767	21,907
Warehouse No. 4 (attached to a 6,000 TEU container depot)	Laem Chabang area	92,000	16,600
Warehouse No. 5 (commenced operations in April 2023)	Outskirts of Bangkok (Bang Na district)	19,317	10,638
Regular Warehouse Total		189,901	58,045

Reference Link: Medium-term Management Plan (Released on May 9, 2022)

<https://www.kline.co.jp/en/ir/management/strategy.html>

\*1 ASRS (Automated storage and retrieval system):

It refers to a search system that automates tasks for storage (shelving), separation and retrieval (picking).

(Related Press Release)

November 17, 2021: "K" LINE Group Companies Establish New Cold and Dry Warehouses in Thailand

<https://www.kline.co.jp/en/news/logistics/logistics4947569946710464310/main/0/link/211117EN.pdf>

March 30, 2023: Start of Operations of New General Dry Warehouse in Bangkok (KCST Warehouse No. 5)

<https://www.kline.co.jp/en/news/logistics/logistics-3663324382152778563/main/0/link/230330EN.pdf>

**[Contact Information]**

Manager of Business Management Team  
 Logistics, Port and Affiliated Business Group  
 Kawasaki Kisen Kaisha, Ltd. ("K" LINE)