

MENAM
MECHANIKA



**MENAM
MECHANIKA**

ABOUT US

MENAM MECHANIKA is SYSTEM INTEGRATOR who offers Engineering Design as well as Full Range Service associated with forward thinking DC (Distribution Center) and Warehouse by applying ASRS (Auto Storage and Retrieval System) and Automated Item Pick (AIP) plus Digital Embedded Technologies and Smart Devices to enhance clients' efficiency. Menam Mechanika is Thailand's front runner and first introducer of ASRS into the region by allied with global leaders since 2001.



• 1999

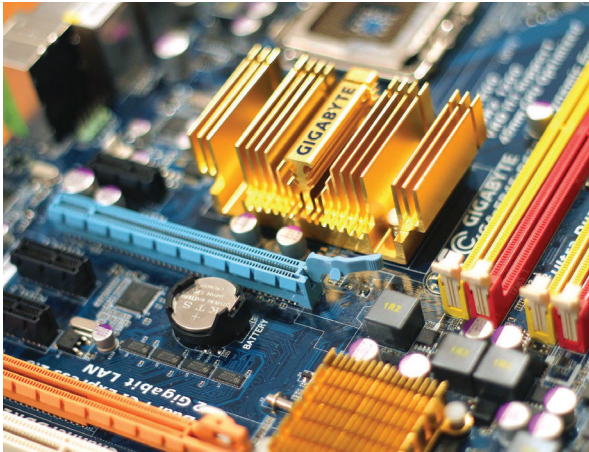
MENAM MECHANIKA was founded in 1999 by industry veteran of metal manufacturing, construction, engineering design, and assembly material handling. The company began by manufacturing stand-alone machines related to loading and unloading conveyors, painting booths, overhead cranes, transferring cars, x-lifter, turntable station, and etc.

• 2004

Until 2004 the company first began initiating ASRS Project at Suvarnabhumi International Airport in Bangkok Thailand by alliance with MITSIAM INTERNATIONAL and MURATEC MACHINERY and becoming MMM Consortium. The turnkey project comprised of rack, stacker crane, RTN-X, WMS (Warehouse Management System) and after sales maintenance for THAI AIRWAY INTERNATIONAL.

Since then the company has seriously deflected to become pioneer of the Engineering and logistic System Integrator for the Public and Private sectors endlessly.

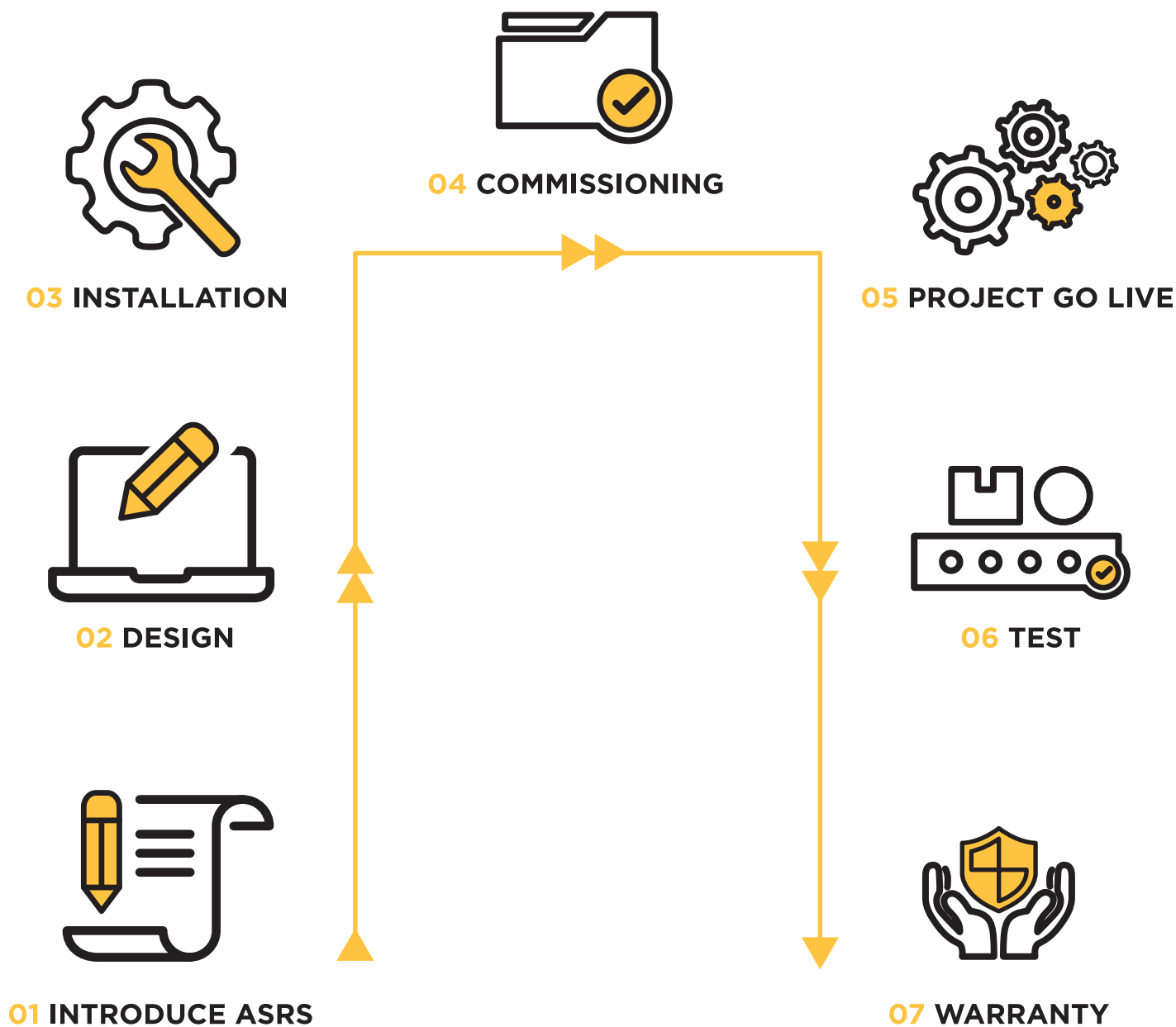
SYSTEM APPLICATIONS



HISTORICAL MASTERPIECES

- E -COMMERCE
- DISTRIBUTION CENTER
- INDUSTRIAL STORAGE AND WAREHOUSE
- AIR CARGO
- POSTAL AND PARCEL
- PHARMACEUTICAL AND MEDICAL
- FOOD AND BEVERAGE
- AUTOMOTIVE
- MOLD AND DIE
- DOCUMENT STORAGE IN SERVICE SECTOR ,BANK, INSURANCE, HOSPITAL , ETC.
- CONSUMER PRODUCT
- RETAILER
- SUPER STORE
- ELECTRONICS AND IT APPLIANCES
- CHILL AND FROZEN ROOM
- CHEMICAL

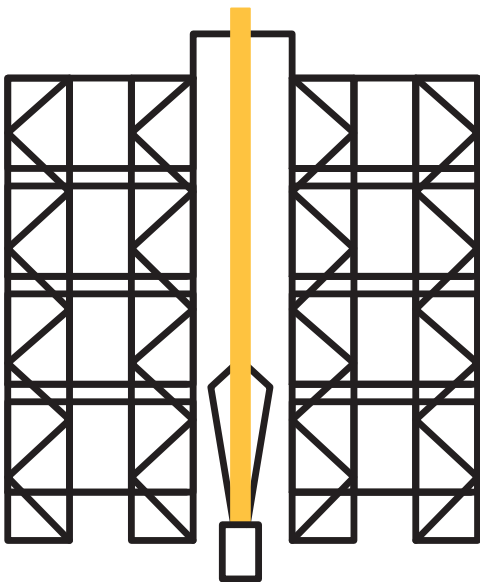




PRODUCT SERVICE &

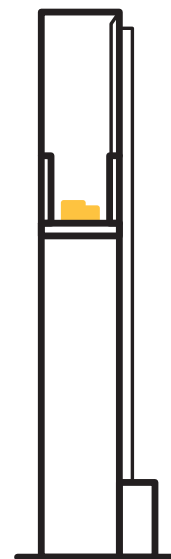
01

ASRS RACK



02

STACKER CRANE



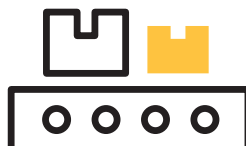
03

AGV



04

CONVEYER



05

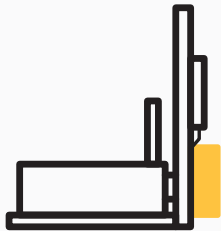
SORTER



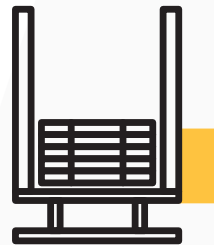
06

SPECIAL EQUIPMENT

WRAPPING MACHINE



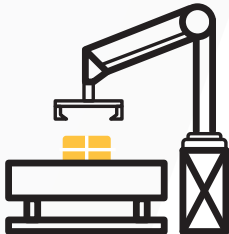
PALLET STACKER



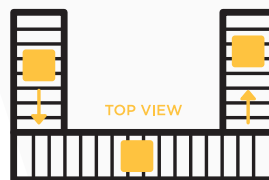
PALLET WEIGHT SCALE



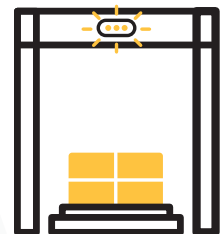
ROBOTIZER



U-PICKING UNIT



PICK / PUT TO LIGHT



07

WMS

(WAREHOUSE MANAGEMENT SYSTEM)



08

ERP

(ENTERPRISE RESOURCE PLANNING)



09

SOFTWARE INTEGRATION



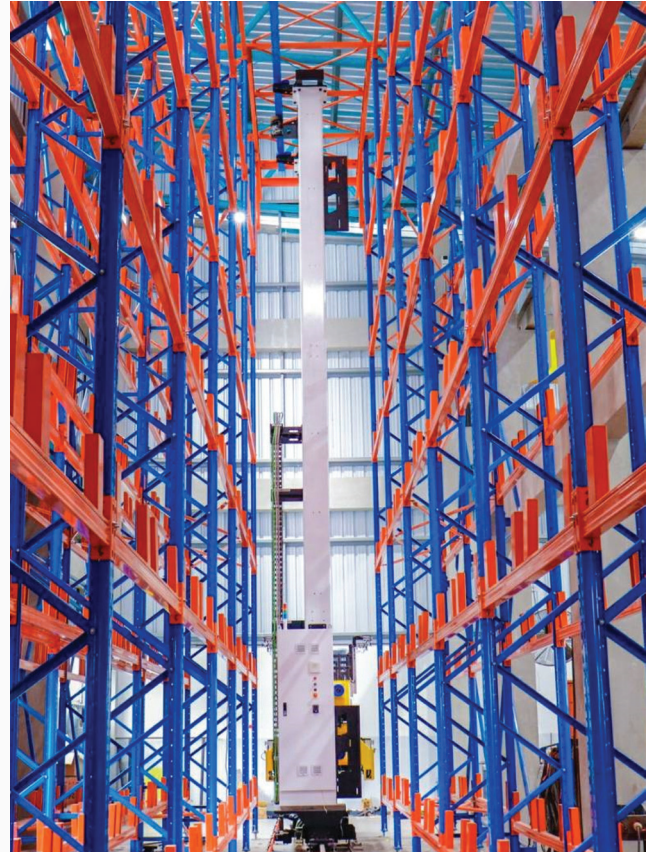
10

BARCODE RFID

BARCODE AND RFID EQUIPMENT



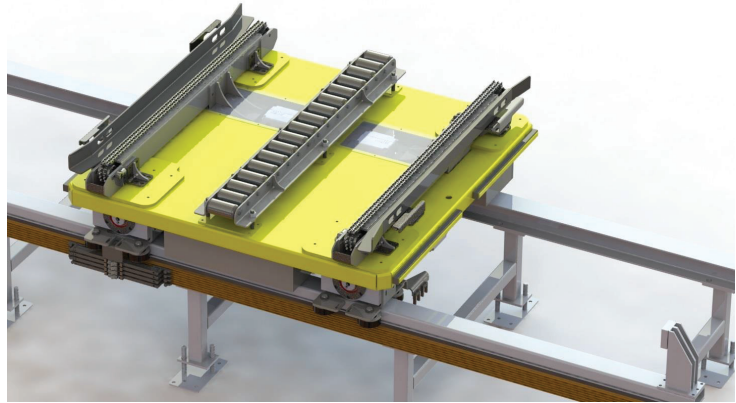
STACKER CRANE



SPECIFICATIONS

Rated Load (Max.)		1,500 kg.
Traveling Speed		90 m/min 180 m/min
Load Transfer Speed	High-Speed Transfer Type	40 m/min
	Standard Transfer Type	15 m/min
Operation Method		On-Line/Manual
Temperature		Temperature: -20 to 40 °C
Control Type		PLC Control
Power Supply		3phase x 380V x 50Hz

RAIL TRANSFER VEHICLE (RTV)



SPECIFICATIONS

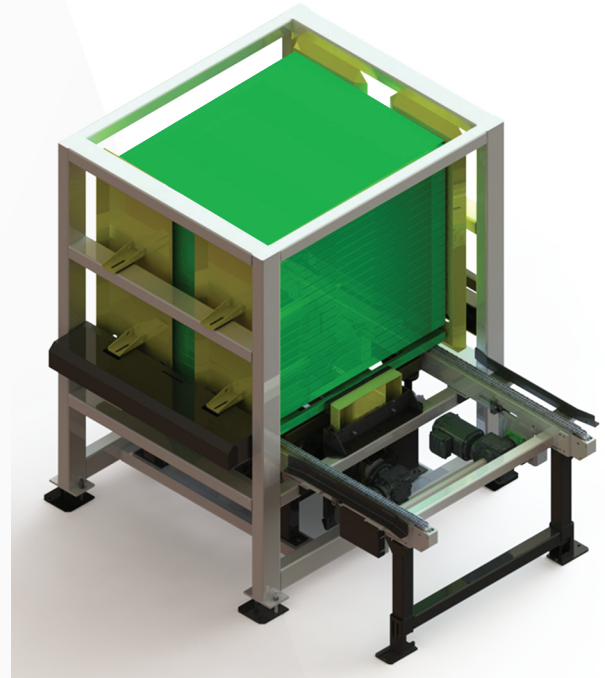
Rated Load (Max.)		1,200 kg.
Traveling Speed		140 m/min 160 m/min
Load Transfer Speed	High-Speed Transfer Type	30 m/min
	Standard Transfer Type	12 m/min
Temperature		Temperature : 0-40 °C
Communication Between Vehicles		Optical Transmission Device
Power Feeding Method		Insulated Trolley Power Feeding
Remote Controller		Wired Connection
Communication Method		Wireless Connection
Power Supply		3ø 200/220V 400V 50/60Hz

FEATURES

- Fast, high throughput
- Flexible
- Reliable
- Remote Controller by PC or Tablet



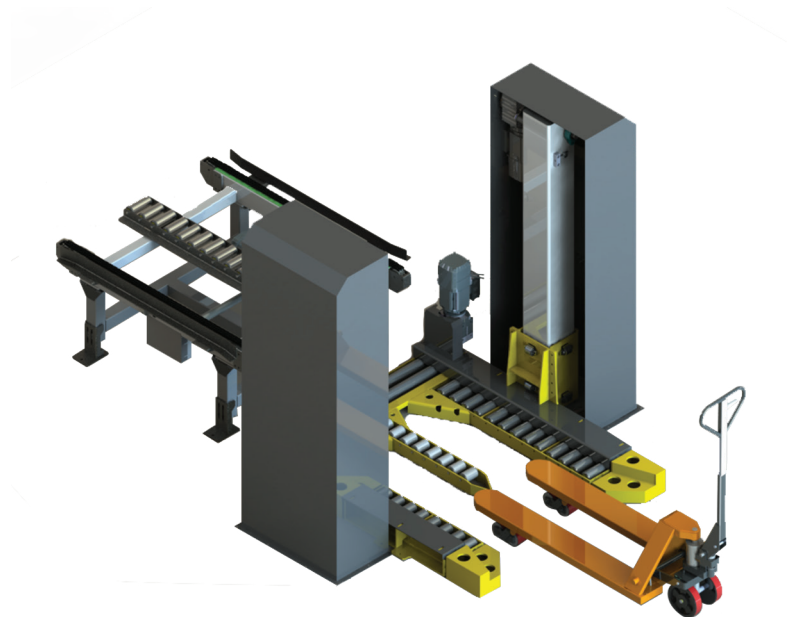
PALLET STACKER / PALLET DISPENSER



SPECIFICATIONS

Type		Pallet Stacker / Pallet Dispenser
Quantity		1 set
Load	Load weight (with pallet)	Max. 500 kg
	Pallet size	1,000W x 1,200D x 180H (mm)
Stack Capacity		Max. 15 pallets
Speed	Feeding	12 m/min
Power Source		3 Phase x 380V x 50Hz,
Control Method		PLC

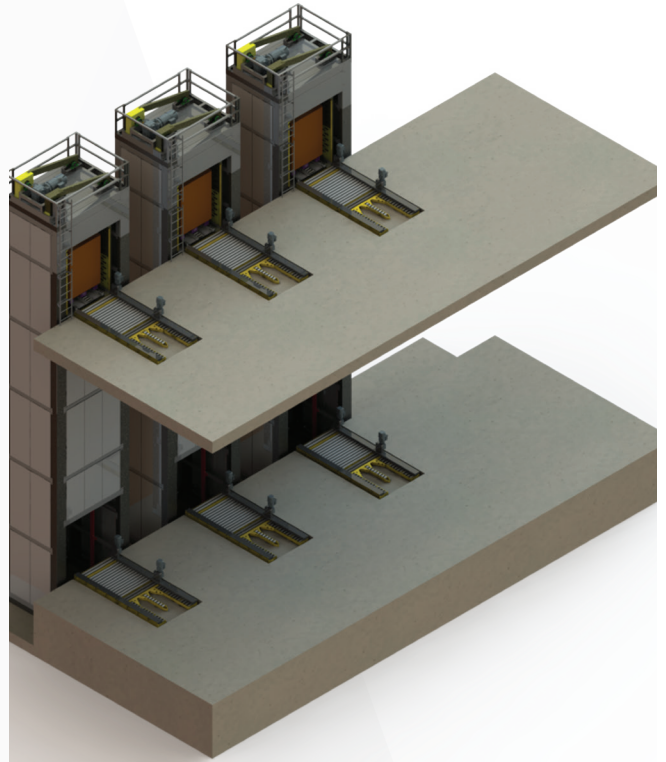
GROUND PALLET LIFTER



SPECIFICATIONS

Type		Ground Pallet Lifter
Load Weight (with pallet)		Max. 1200 kg/plt
Load Transfer	Lifting	0~40 m/min (0~131 ft./min)
	Feeding	0~15 m/min (0~49 ft./min)
Temperature		Temperature: 0 – 40 °C
Power Source		3 Phase x 380V x 50Hz,
Control Method		PLC

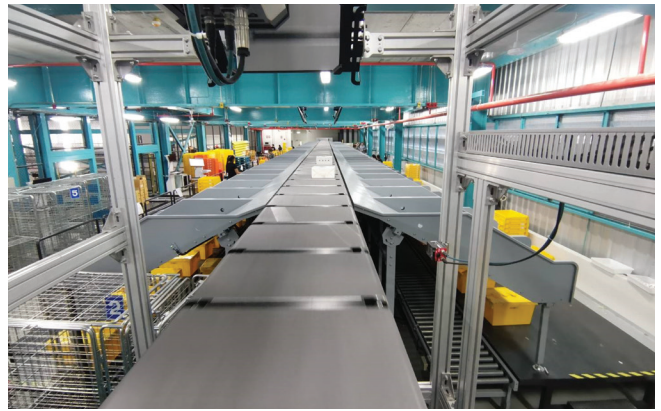
AUTO PALLET ELEVATOR



SPECIFICATIONS

Type		Auto Pallet Elevator
Rated Load (Max.)		Max. 1200 kg/plt
Load Transfer	Lifting	0~40 m/min (0~131 ft./min)
	Load size	Max 1,100W x 1,200D x 1,800H (mm)
Speed	Feeding	80 Pallets/hour
Power Source		3 Phase x 380V x 50Hz,
Control Method		PLC

SORTER



SPECIFICATIONS

Type		Belt Sorter
No. of Chutes		30~200
Goods Dimension (L * W * H)	Min Size	L 100mm * W 100mm * H 5mm
	Max size	L 600mm * W 350mm * H 400mm
Max Capacity		10800 Items/hr.
Max Weight per goods		≤30 kg
Max Operating Speed		2.0m/s
Carrier Pitch		600 mm

2021

I.P. ONE CO., LTD.



AUTOMATIC TRUCK LOADING SYSTEMS WAREHOUSE 7

SYSTEM SUPPLIED:

Auto Loading from Production to Truck
Auto Unloading from Truck to Warehouse
Fully Integrated with Production WMS

CAPACITY:

1MT/Pallet x 10 Pallets/Truck



► Conveyor for Loading
& Unloading to Truck



► Ground Pallet Lifter Conveyor
& Conveyor With Lifter Transfer



2021

AGILITY FOR WESTERN DIGITAL

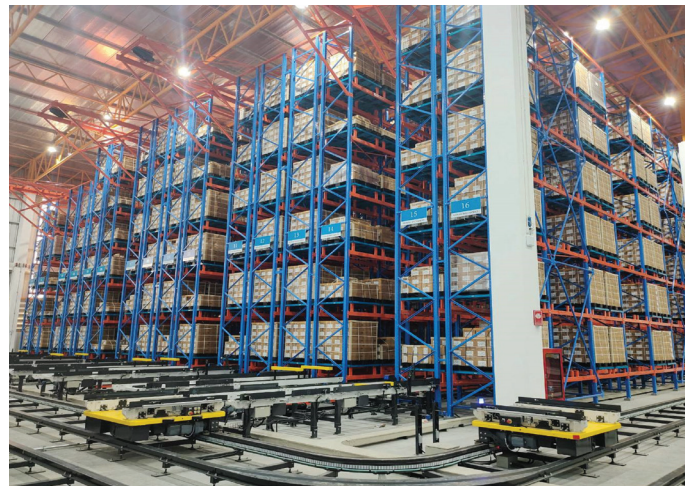
FREE TRADE ZONE ASRS WAREHOUSE

SYSTEM SUPPLIED:

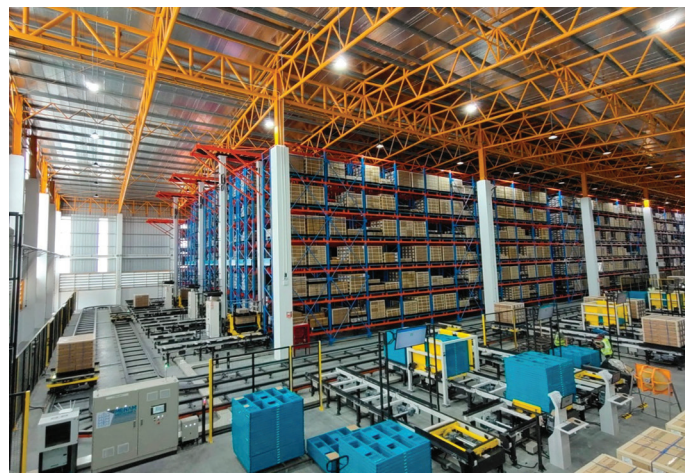
4 Cranes 11.5 meters high Double reach
RTV 6 sets
Auto Master Pallet Dispenser
Auto Master Pallet Stacker

CAPACITY:

10,856 pallets



Loop RTV and Low Rise Crane ◀



▶ Auto Master Pallet Dispenser / Stacker

2021

SIPHYA CONSTRUCTION CO., LTD.



AUTOMATION WAREHOUSE

SYSTEM SUPPLIED:

2 Cranes 14.6 meters high Double reach
1 Crane 13.4 meters high Mini-load



CAPACITY:

2,304 pallets
8,700 boxes

► Pallet auto storage and retrieval System



► Conveyor System

2020

FRASERS PROPERTY (THAILAND) LTD.

CENTRAL RETAIL CORPORATION PUBLIC CO., LTD.

FREE TRADE ZONE ASRS WAREHOUSE

SYSTEM SUPPLIED:

4 Cranes 11.5 meters high Double reach

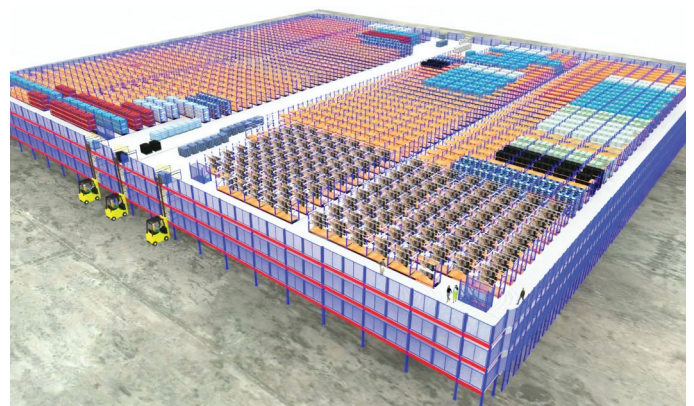
RTV 6 sets

Auto Master Pallet Dispenser

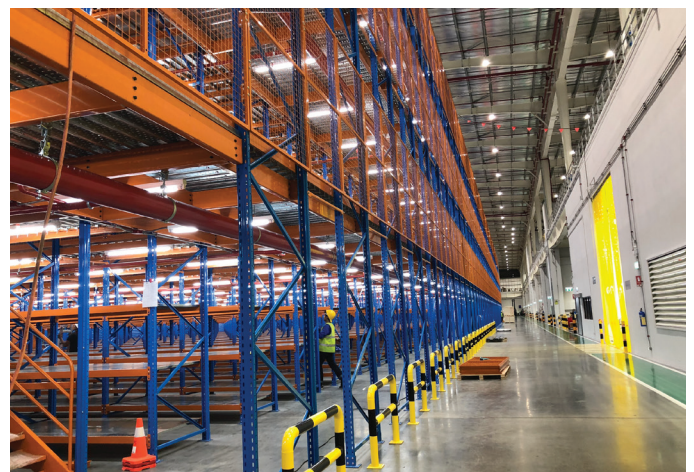
Auto Master Pallet Stacker

CAPACITY:

10,856 pallets



Loop RTV and Low Rise Crane ◀



► Auto Master Pallet Dispenser / Stacker

2020

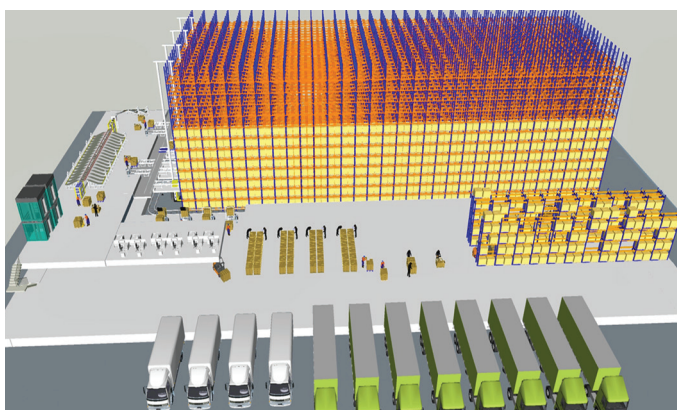
MENAM DC CO., LTD.



DISTRIBUTION CENTER

SYSTEM SUPPLIED:

2 Cranes 30 meters high Double reach
RTV 4 sets
Sorter system 1 set



CAPACITY:

6,720 pallets

► Pallet auto storage and retrieval System



► U-Picking & Sorter System

2019

FRASERS PROPERTY (THAILAND) LTD.

HAVI LOGISTIC (THAILAND) LTD.

**FROZEN FOODS
WAREHOUSE -20 °C**

SYSTEM SUPPLIED:

1 Crane 32 meters high Double reach

2 Cranes 30 meters high Single reach

CAPACITY:

7,488 pallets



Ground Pallet Lifter & U-Picking Station ◀



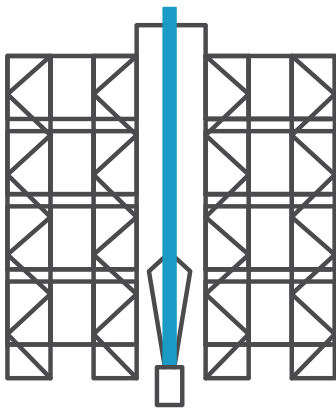
▶ Conveyor System

2018

BANK OF THAILAND



AS/RS AUTOMATED WAREHOUSE



STACKER CRANE

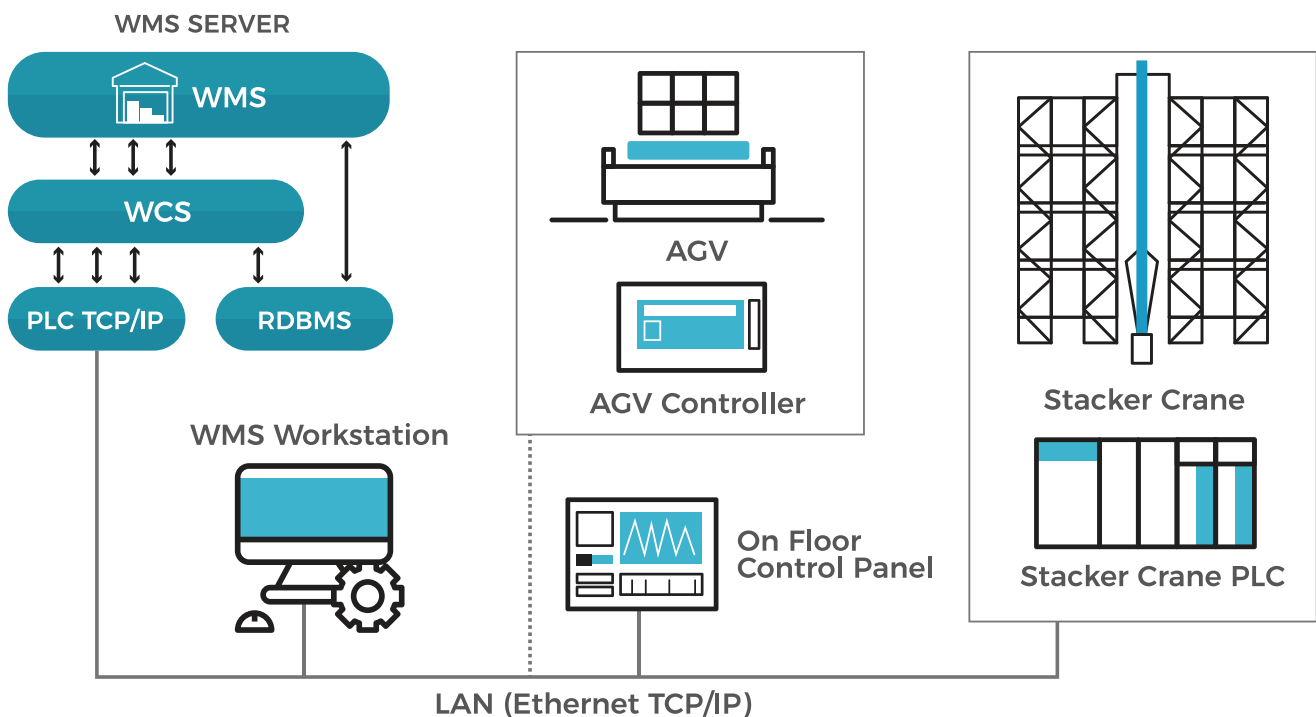
SYSTEM SUPPLIED:

1 Crane 8.3 meters high
Double reach

3 Cranes modification of
equipment and control systems.

CAPACITY:

240 pallets



2018

CPF (THAILAND) PUB CO., LTD.

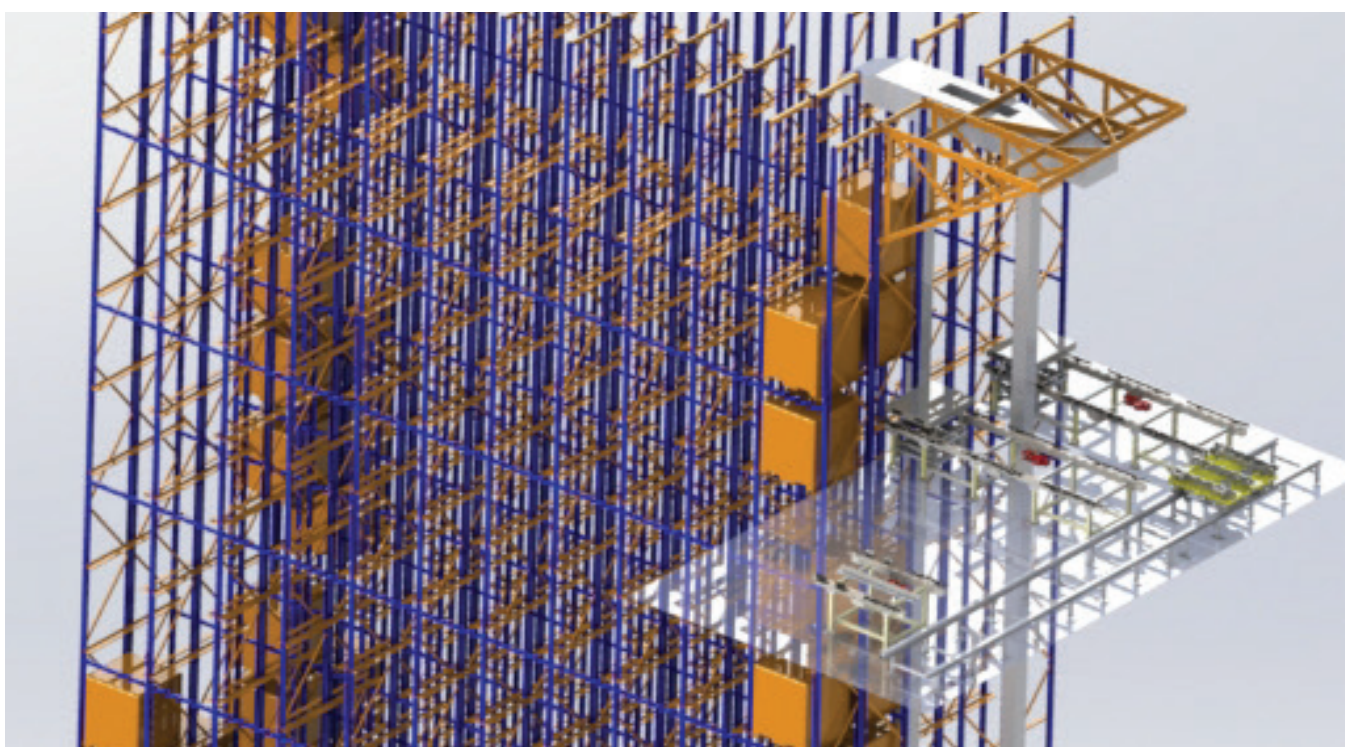
WAREHOUSE FOR FEED MILLS

SYSTEM SUPPLIED:

1 Crane 24 meters high
Double reach
RTV 1 set

CAPACITY:

600 pallets



2018

MITRPHOL SUGAR CORP CO., LTD.



AS/RS IN_HOUSE PARKING MPDC PROJECT

SYSTEM SUPPLIED:

2 Cranes 30 meters high
Double reach
RTV 2 sets

CAPACITY:

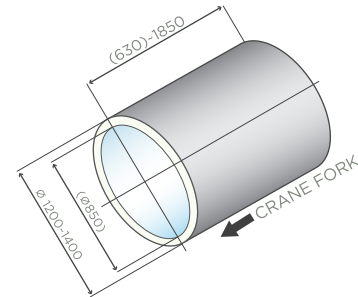
1,248 pallets



2017

MENAM STAINLESS WIRE PUB CO., LTD.

WAREHOUSE FOR WIRE ROD



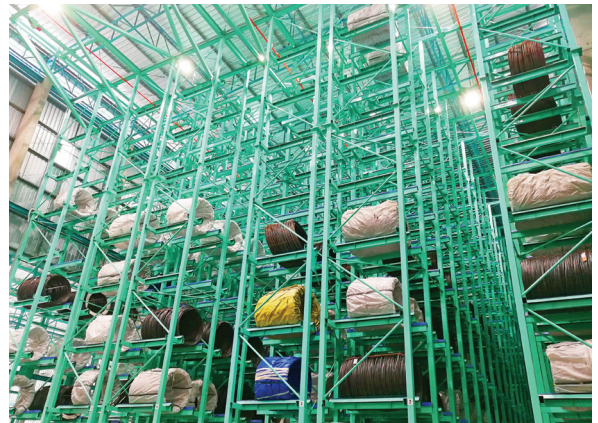
Loading=MAX.2300KG/PCS
Load Size=ø1200-ø1400*630L-1850L

SYSTEM SUPPLIED:

3 Cranes 18 meters high
Single reach open faced
Load 2.3 tons [Oversized]

CAPACITY:

2,304 pallets



2015

BOONRAWD BREWERY CO., LTD.



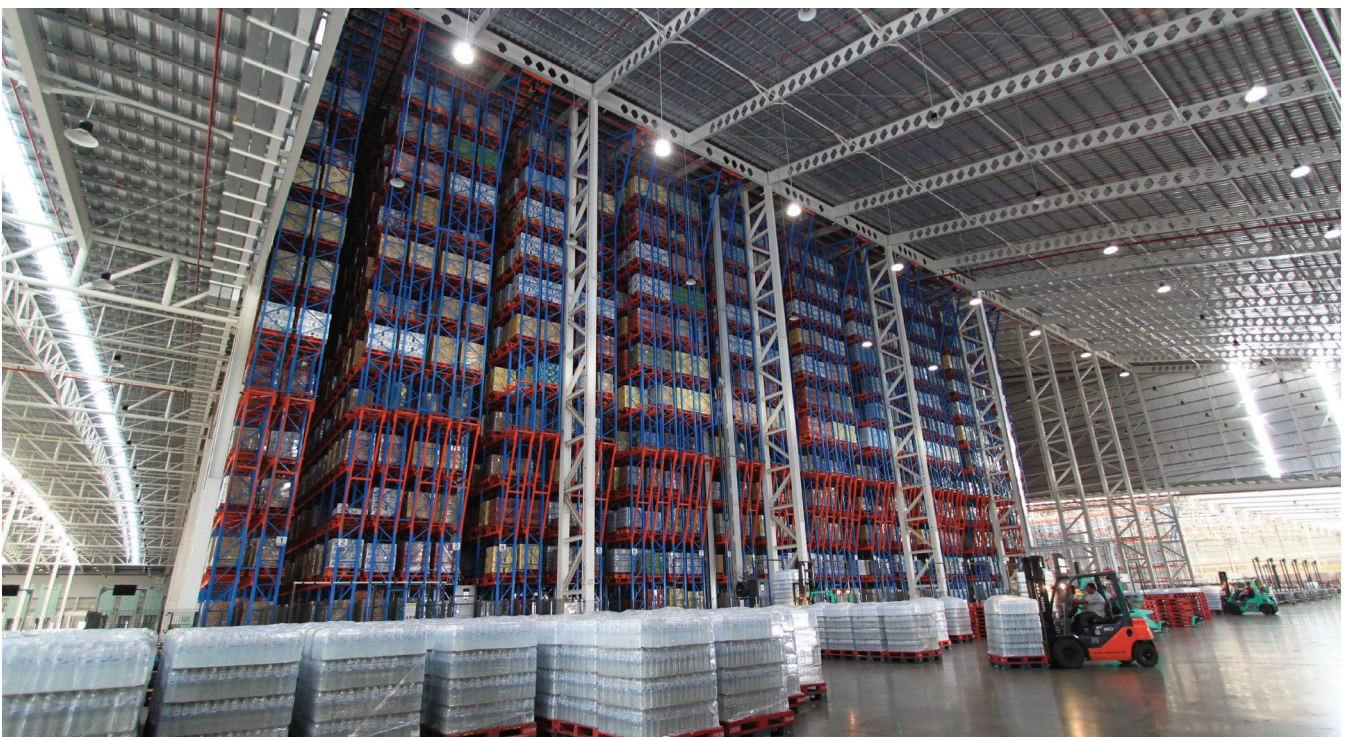
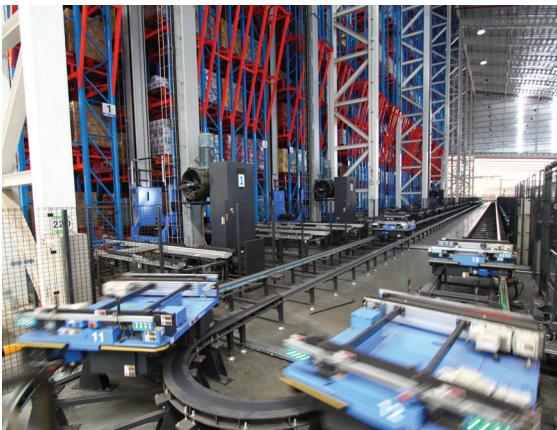
DISTRIBUTION CENTER WAREHOUSE

SYSTEM SUPPLIED:

9 Cranes 29.2 meters high
Double reach
RTV 24 sets
PTL 1 Crane 12.8 meters high
Single reach

CAPACITY:

42,640 pallets



2014

THAI UNION MANUFACTURING CO., LTD.

FROZEN TUNA
-25 °C

SYSTEM SUPPLIED:

3 Cranes 23 meters high
Double reach open faced
RTV 1 set

CAPACITY:

9,440 pallets



2012

JSR BST ELASTOMER CO., LTD.



WAREHOUSE FOR ELASTOMER PRODUCT

BUILDING:

Area 30 x 170 sqm.
Height 30 meters

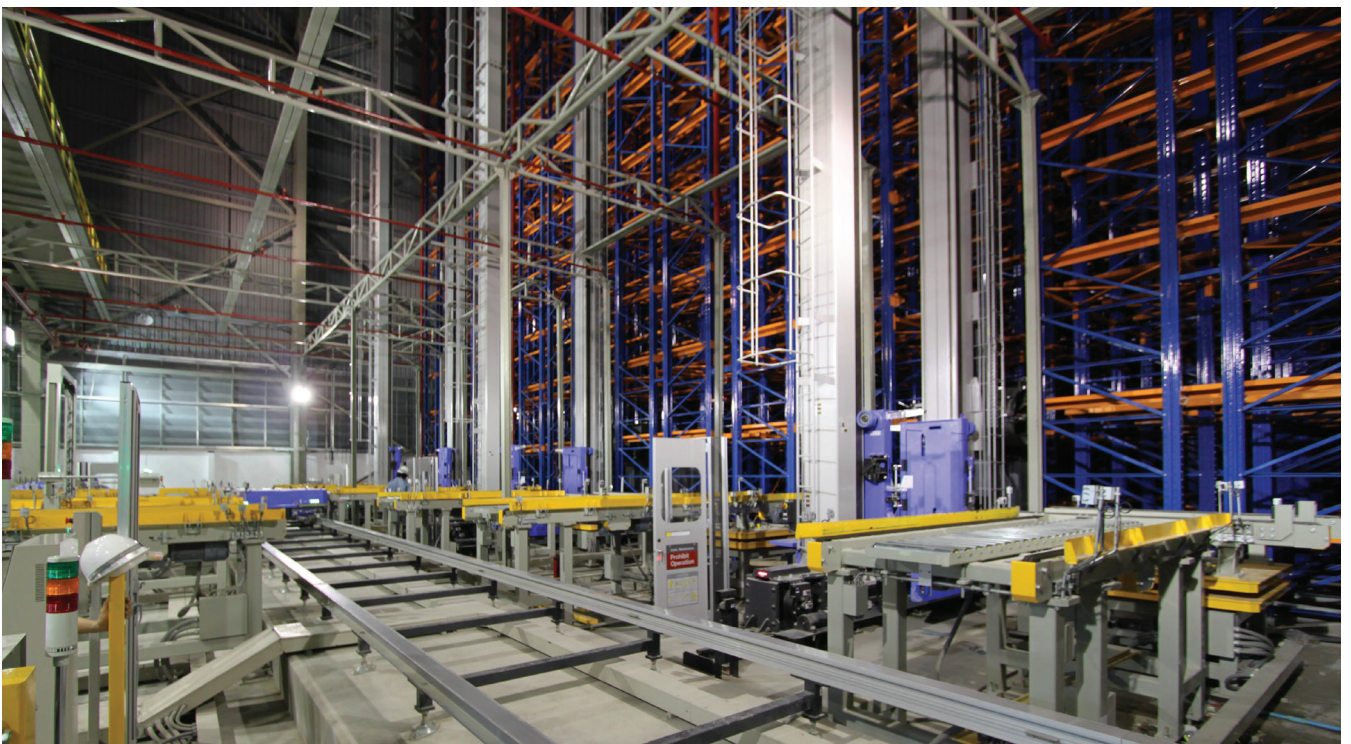


SYSTEM SUPPLIED:

3 Cranes 16 meters high
Open faced rack
Double reach
With RTN-X1 set

CAPACITY:

13,056 pallets



2004

THAI AIRWAYS INTERNATIONAL PUB CO., LTD.

SUARNABHUMI INTERNATIONAL AIRPORT

CHS (CARGO HANDLING AND STORAGE SYSTEM)
GSE (GROUND SUPPORT EQUIPMENT)

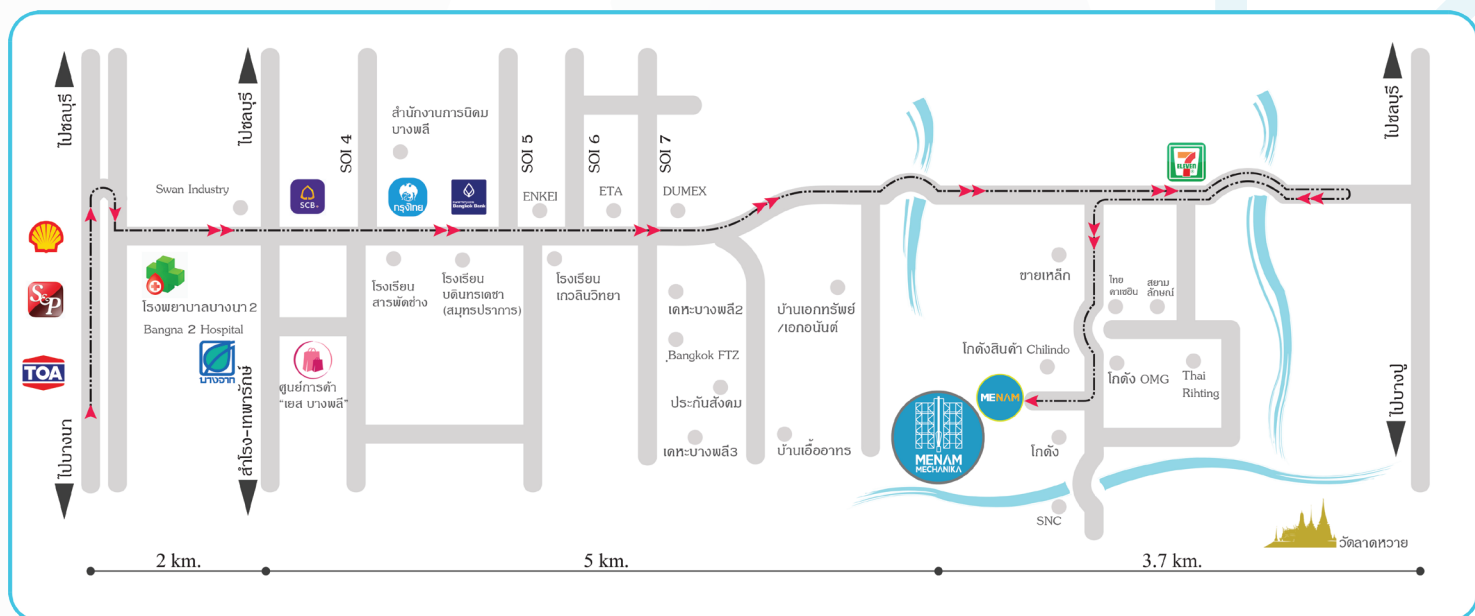
SYSTEM SUPPLIED:

3 Cranes 16 meters high
Open faced rack
1 Crane 1 aisle, 10 meters high
Closed faced rack
Bulk / Jumbo pallet selective rack

CAPACITY:

5,392 steel cages
429 steel cages





CONTACT US



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