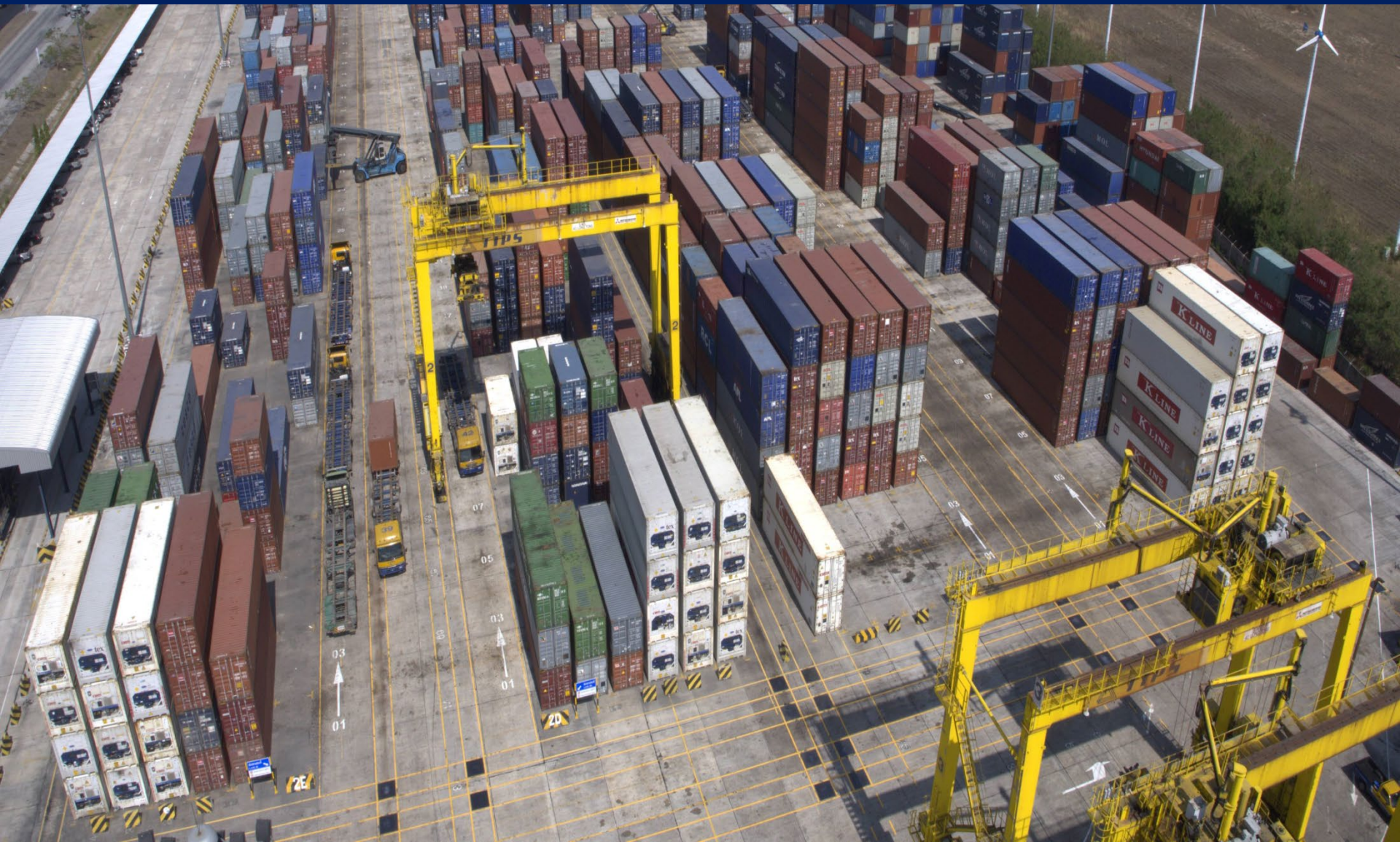
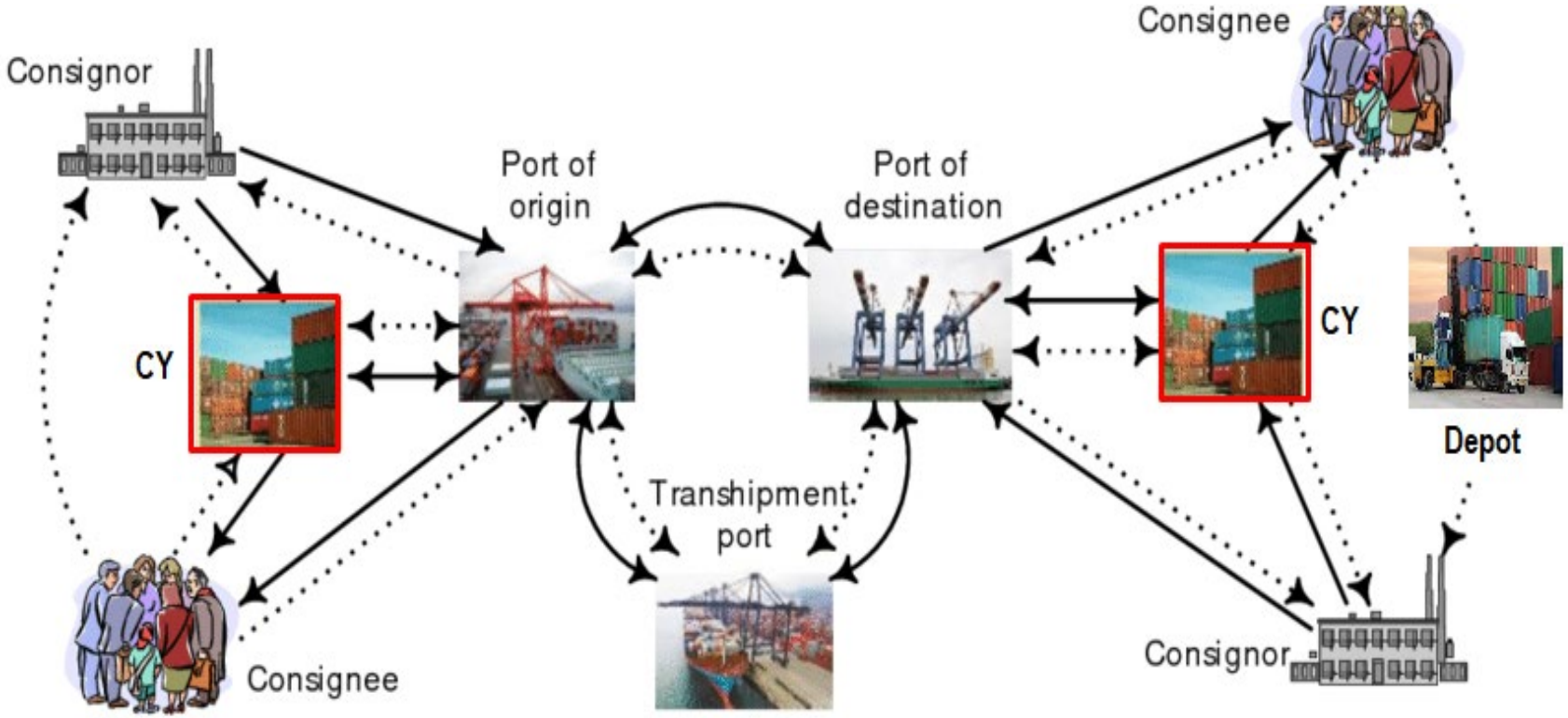
CONTAINER YARD

ตู้ที่ให้บริการ เก็บรักษา ซ่อมบำรุง และลานเก็บตู้คอนเทนเนอร์ที่มีสินค้าและตู้เปล่า



Container Yard in logistic flow



How are the Container Yard to drive container terminal & logistic performance

- ✓ Maximize efficiency and reduce congestion in the yard by aligning loading, discharge and gate operations

- ✓ Minimize turnaround time of vessels and trucks by ensuring containers are placed strategically for container receiving and delivery.

Type of Container Yard by Purpose

CY FOR LADEN CONTAINER (Port,ICD,Dry Port)

- Intermodal Transfer location
- Heavy duty concrete pavement or Precast Concrete Slabs on supporting corners
- Large lifting equipment as Rubber Tire Gantry crane at least 40T.SWL. To be provide.
- High cost of investment to infra&Eqpt.

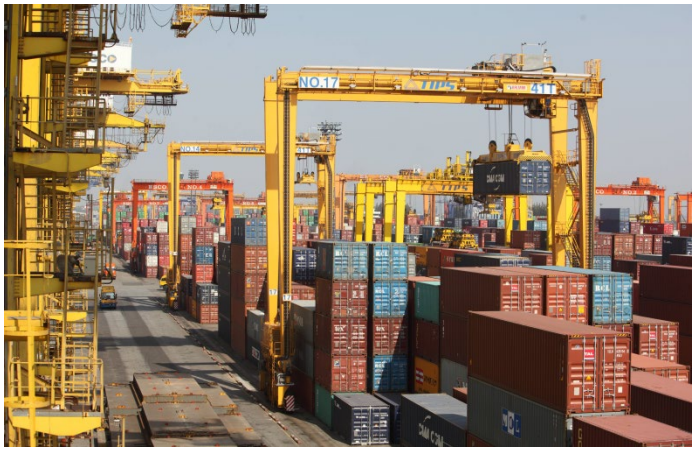
CY FOR Empty Container (Container Depot)

- Importer/exporter premise away from port/rail.
- General ground Terrain or less loaded supporting design
- Light lifting equipment as Forklift/ empty container handler
- Less planning ,main purpose for preparing to M&R then delivery to shipper for cargo stuffing.
- Less investment cost the both infra.&Eqpt.

Working process of Container Yard by Purpose

STORAGE TO LADEN CONTAINER (Port,ICD,Dry Port)

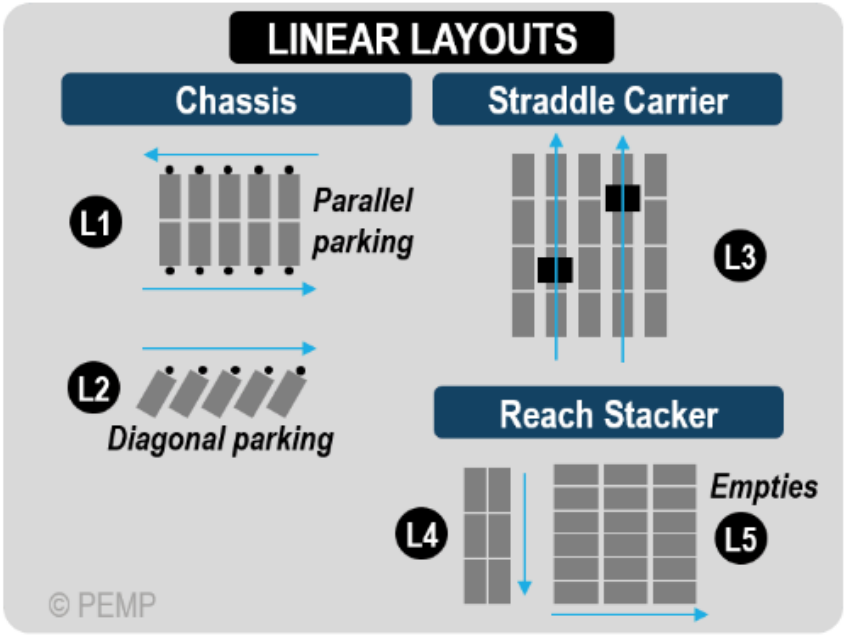
- A lot of working processes to the yard Planning such type /size /import/ export/destination/transport mode and voy.
- Various of selecting sequence and activities
- Traffic flow design and performance productivity to be highly concentrated.
- Need to be managed by Terminal Operating system software (TOS) for the most efficiency and operating.



CY FOR Empty Container (Container Depot)

- Main purpose to maintenance and repair of empty container to seaworthiness conditions.
- Less yard planning and sorting
- Truck turn around time and proper inspection upon delivery are important.
- No necessary to manage by TOS.

Main Type of Container yard's Layout & Equipment



Advantage

The simplest and least capital-intensive yard operations

Disadvantage

Less storage capacity ,about 110 Teus/rai.

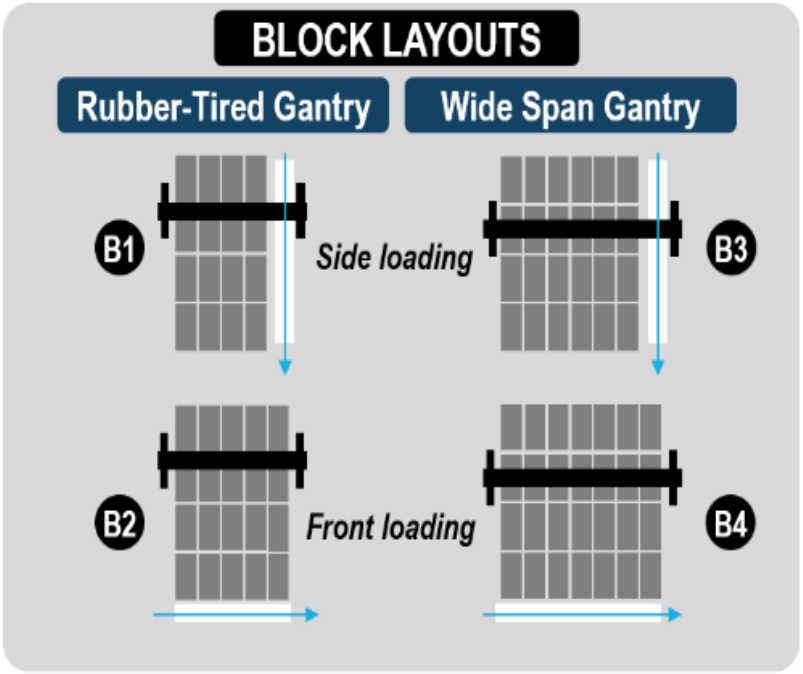
Utilized Lifting equipment

Straddle carrier

Reach Stacker

(Manual control and handling)

Main Type of Container yard's Layout & Equipment



Advantage

higher stacking density in the range of 160-300 TEU Per rai

Disadvantage

Higher capital-intensive as they rely on gantry cranes to manage stacks. .

Utilized Lifting equipment

Rubber Tire Gantry crane (RTG)
Rail Mount Gantry crane (RMG)

(Automatic control and handling to be available)

Strategic goals to achieve the performance of container yard

- ✓ **Location** (Which areas of the yard will be used for which types of services and containers ,Extent of area and How high will the yard be stacked, restriction of law and regulation and environment ,etc.)

- ✓ **Yard capacity planning** base on How many containers will be received and delivered by period. How many containers will be stored in yard in a period. The types of individual container movement to be separate and storage, etc.)

- ✓ **Yard's dimensions**, capability of rubber-tyred gantry (RTG) cranes/Rail Mount gantry (RMG) to stack containers at certain heights including the number of yard cranes to support work volume.

Thank you!