Warehouse Design Project

PRESENTED BY NeXTime Distribution

OUR TEAM









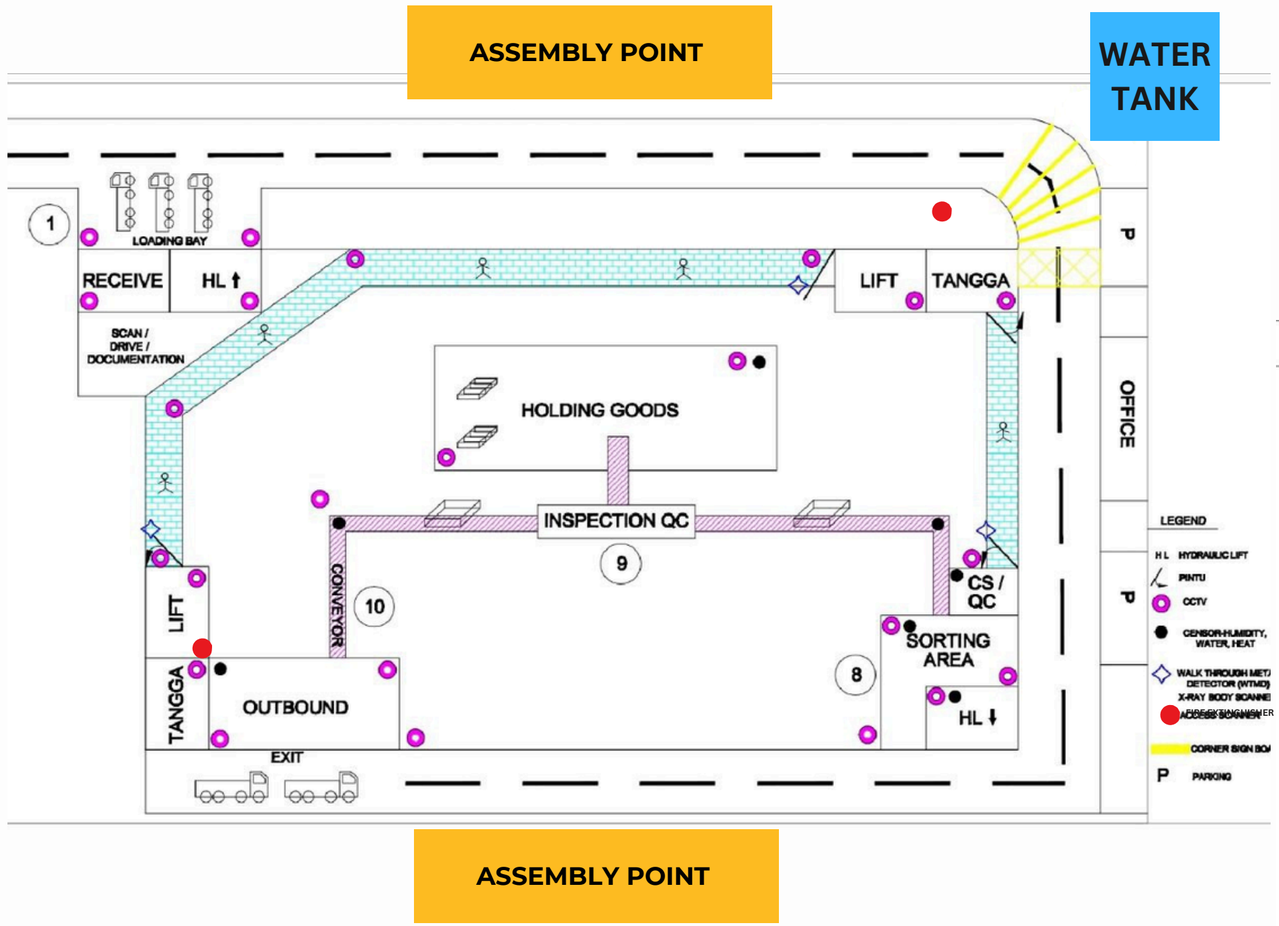






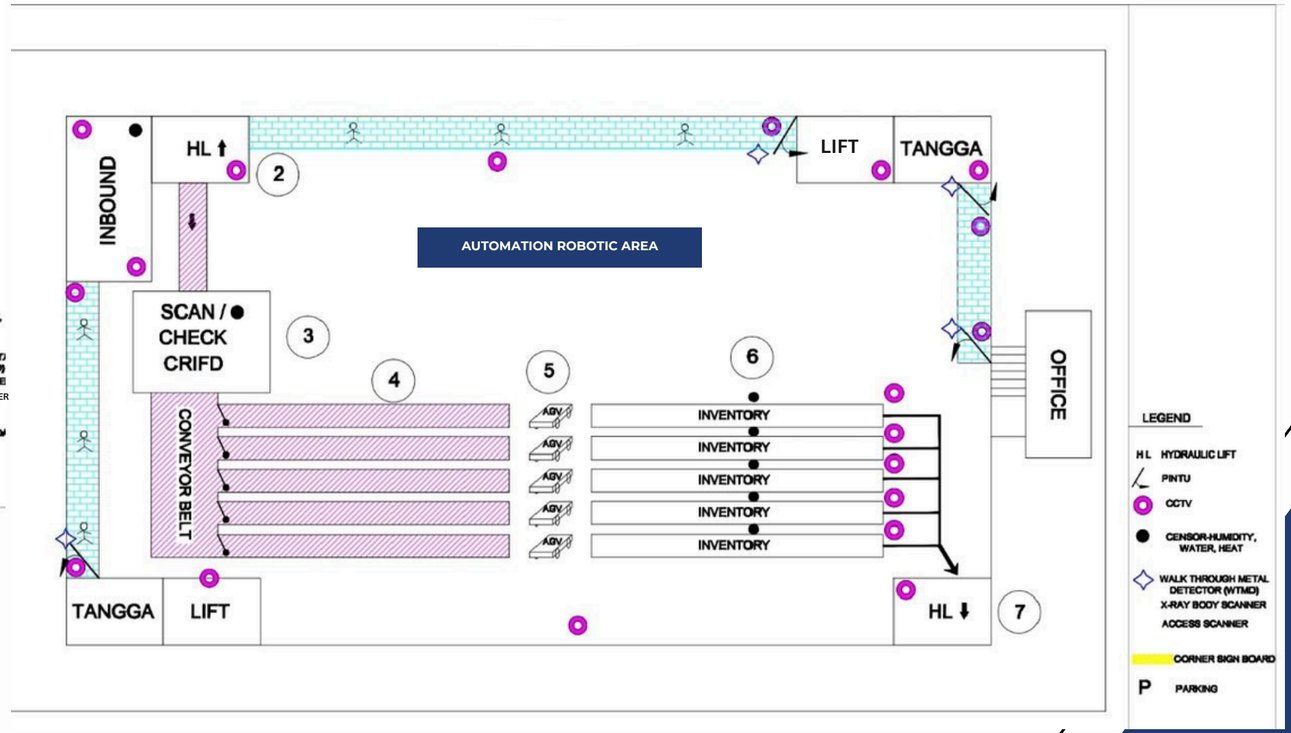

OUR CLOSE-UP PROTOTYPE

LAYOUT WAREHOUSE



LEVEL 1

LEVEL 2



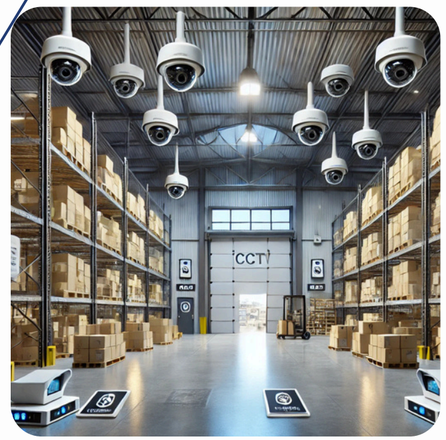
FUNCTIONAL DESIGN

1. Zon Penerimaan Barang *(Receiving Area)*
2. Zon Penyimpanan *(Storage Area)*
3. Zon Picking
4. Zon Pemulangan *(Return Area)*

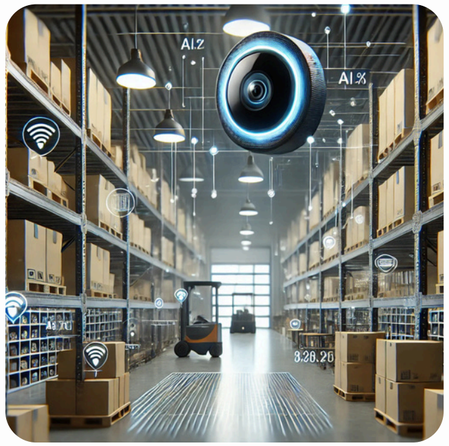
SPACE UTILIZATION

- Storage Optiimization : Automated vertical carousel storage system
- Slotting Strategies : Classify inventory based on frequency of access (e.g., ABC analysis
- Dock Staging Area Allocation : Ensure smooth inbound and outbound operations without congestion
- Office and Administrative Space : Efficient placement for visibility and control

SAFETY AND COMPLIANCE



CCTV



AI MOVEMENT SENSORS

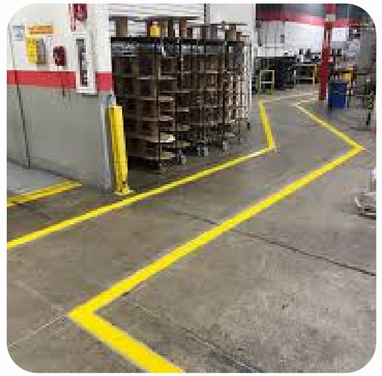
DOOR ACCESS SENSOR

SMOKE & FIRE SENSORS

SECURITY GUARD

WATER SENSOR

COMPLIANCE



1. Assembly point
2. Designated pedestrian route
3. Good ventilation & Lighting
4. Signage
5. Fire extinguisher

TECHNOLOGY INTEGRATION

- Barcode/ RFID
- IoT & Sensors

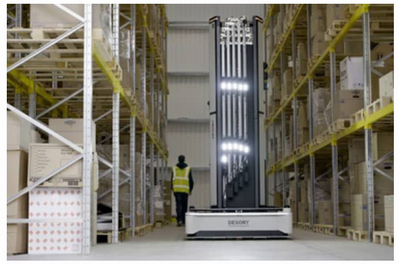
Dexory Robot Scanning

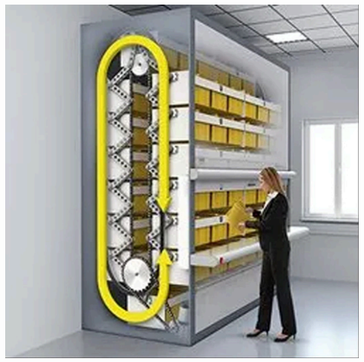
AGV (Automated Guided Vehicle)

Automated Vertical Carousel Storage System

Warehouse Management Systems (WMS)

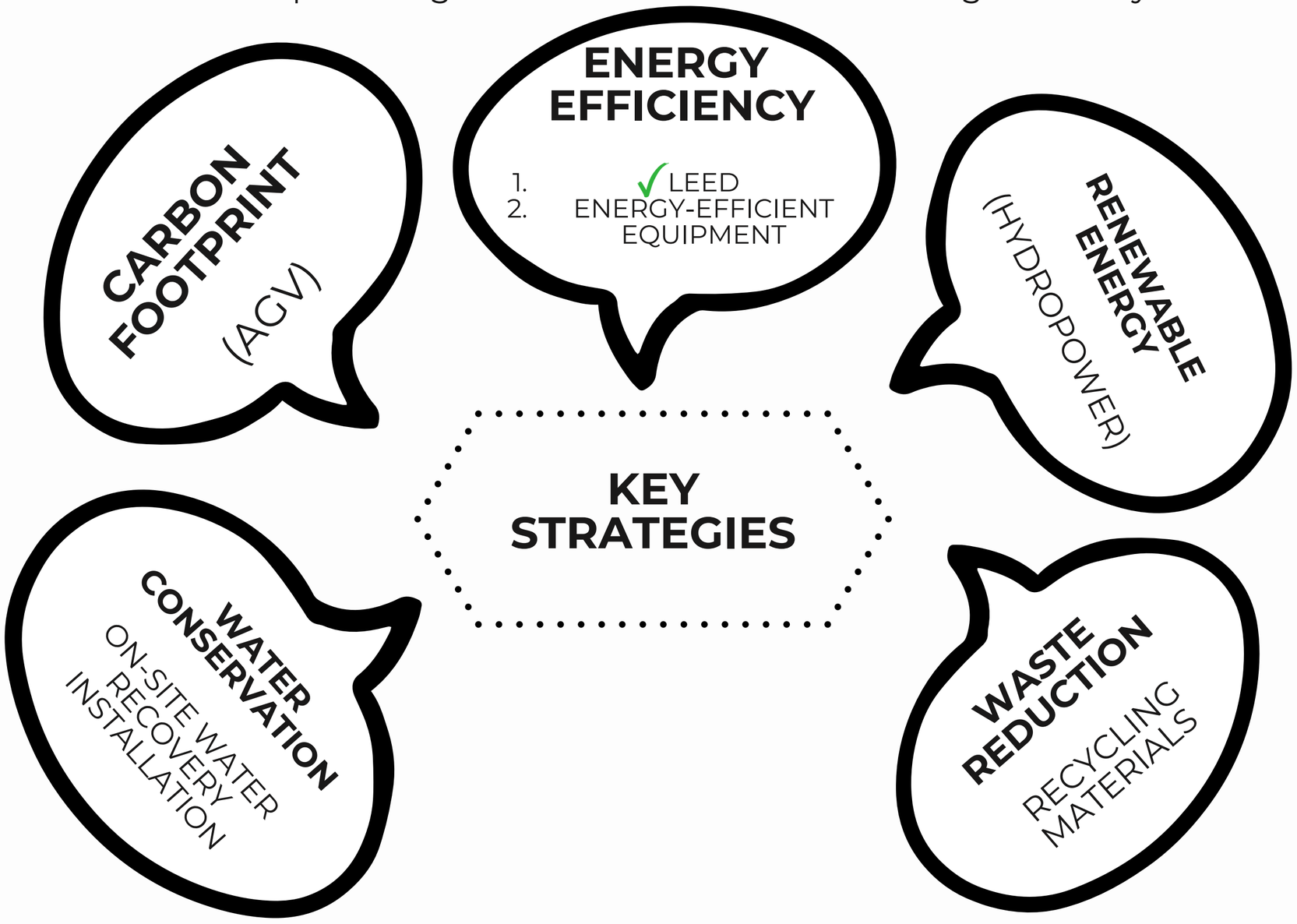
Swing/Sweep Arm Diverter Conveyor





SUSTAINABILITY

Involves implementing practices that minimize environmental impact, reduce waste, optimize environmental impact, reduce waste & optimizing resource use while maintaining efficiency



DOES ANYONE HAVE QUESTIONS?

THANK YOU