

## **Requirement Analysis**





# Express Locker

#### What is LOGISTICS?

- Logistics is the flow of goods, the complete process of delivering goods quickly and on time from the production location to the consumer, following a series of key steps.

#### What is a DOCK?

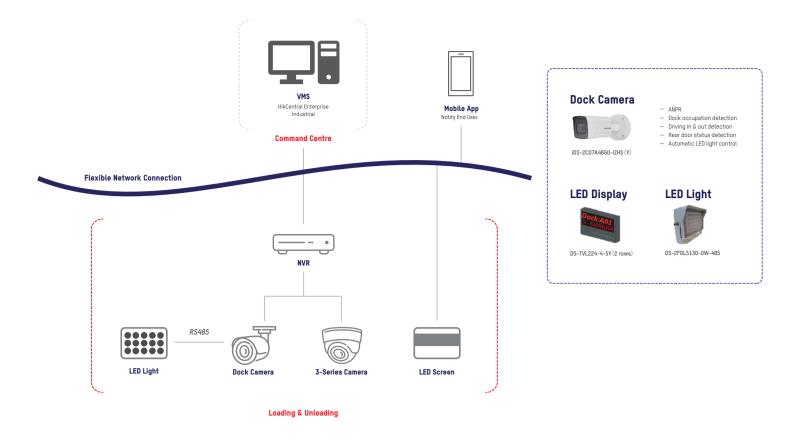
- Among the core functions of storage and cargo handling is loading and unloading at a fulfilment center or distribution centre. The dock is the loading and unloading area for trucks and vehicles transporting and distributing goods.

#### **End Users are?**

- Security Department for loss prevention. - Operations Department for better efficiency.

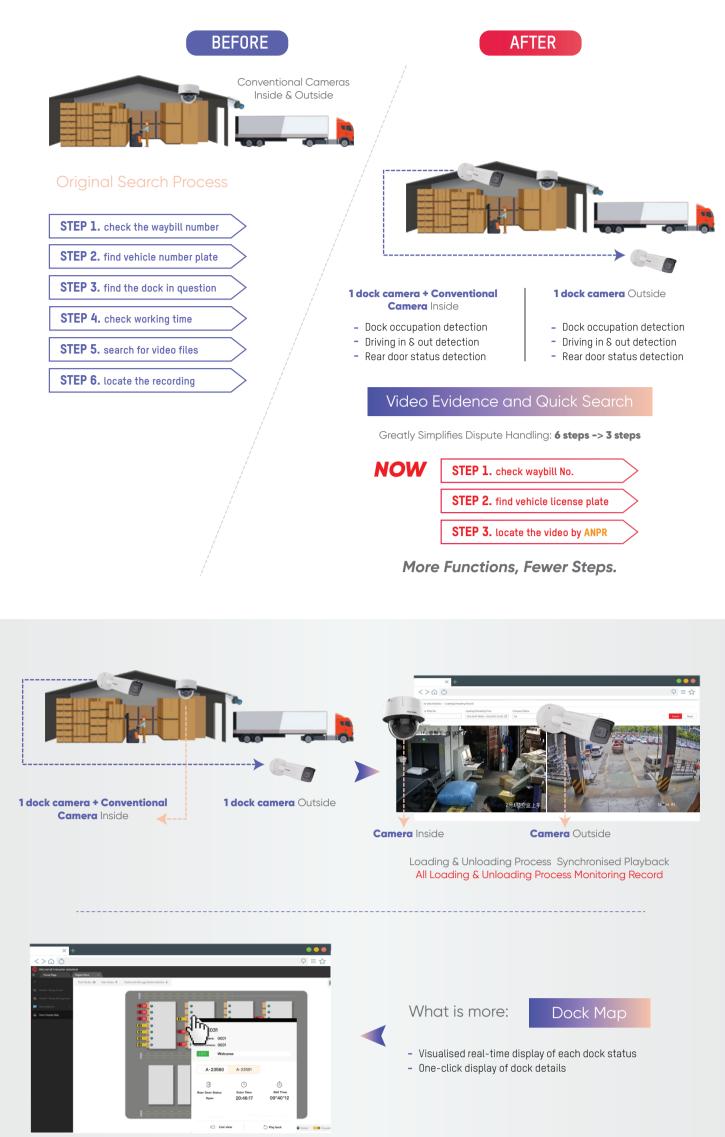
## **Solution Introduction**

## Solution Architecture



## Loading & Unloading Management

Hikvision Dock Management Solution – Minimum System



## Additional Features

BACKGROUND: Business growth creates higher throughput. Increased pressure requires night-time loading, so high image quality in dark environments is essential.



- See the trailer and cargo clearly even in poor lighting conditions.
- Save power by only activating the light when the dock camera detects the dock is occupied.





BACKGROUND: Even when there are a large number of docks, allows a driver to easily locate the correct one.



**LED Display Installed** 





- Quick display of dock information such as dock name, number of the parked vehicle.
- Direct guidance for unfamiliar drivers.

## Statistical Overview of an Entire Logistics Park



#### **Real-Time Overall Dock & Truck** Status: Total, Occupied, Available, Waiting etc.

VALUE: Balance workload and organise manpower effectively.

#### Dock Operation Efficiency: Average work, wait & rest time.

VALUE: Lows managers to understand wasted or ineffective work time and helps them optimise based on this data.

#### **Company Throughput Ranking:** Growth rate of each company. **VALUE:** Provide information on each company's performance and help them improve when needed.

Average throughput, usage rate, etc.

VALUE: View performance of each dock.

**Detailed Dock Performance:** 

of the chosen dock.

#### **Company Throughput Ranking:** Historical average of work, wait and rest times during loading & unloading. VALUE: Highlights truly effective working time and helps managers improve performance.

**Operation Efficiency Trend:** Average dwell time of each step over time. VALUE: Helps managers to spot potential issues and take action accordingly.

## **EXTENDED: SCHEDULING & DISPATCH MANAGEMENT**

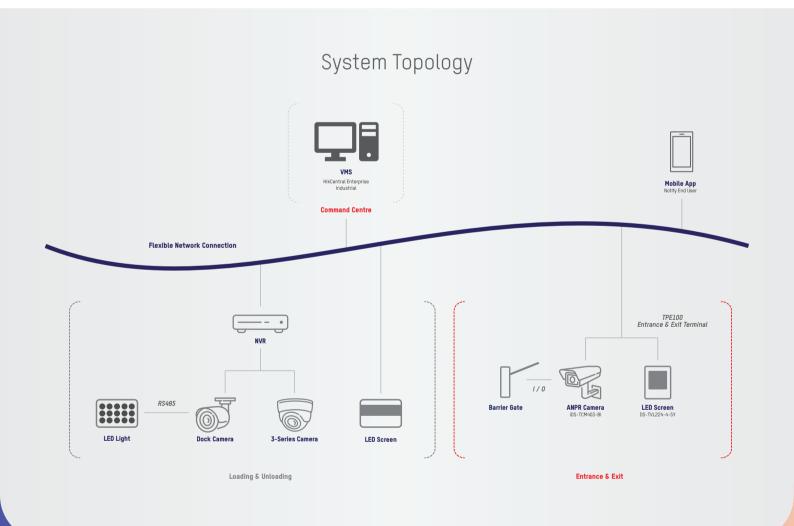
Hikvision Dock Management Solution – Complete Solution Capability



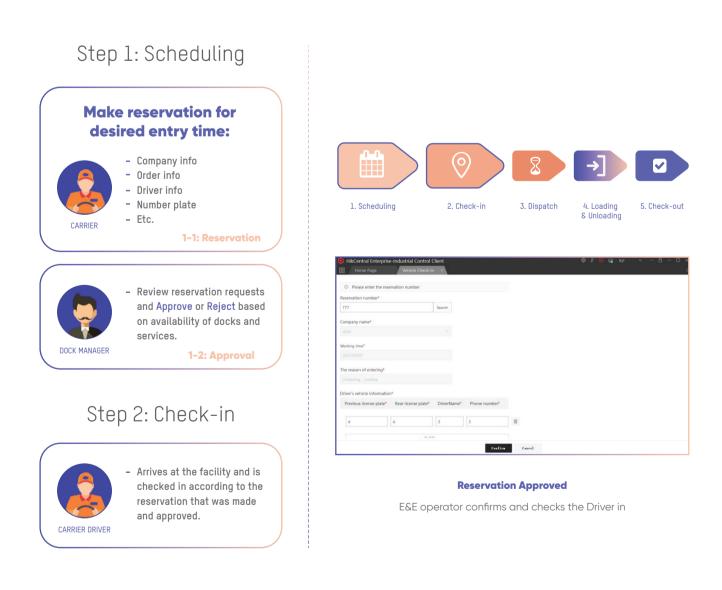
Vehicle Check-in

## **Solution Value**

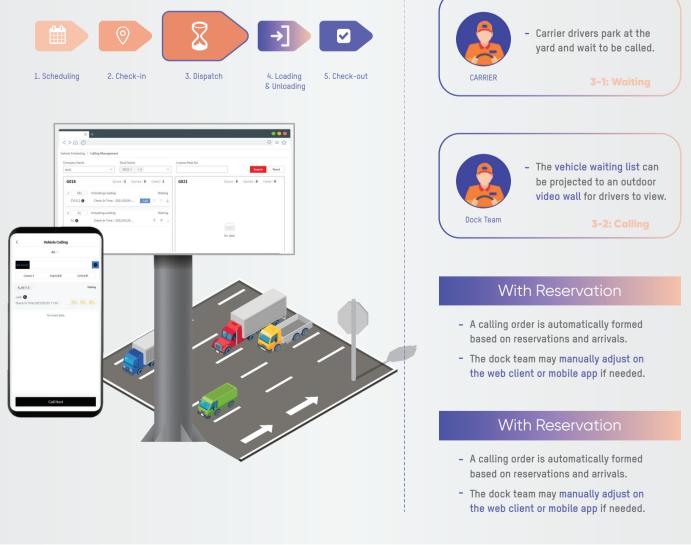
- Reduced waiting time and human error - All records trackable and available for analysis
- Improved dispatch efficiency

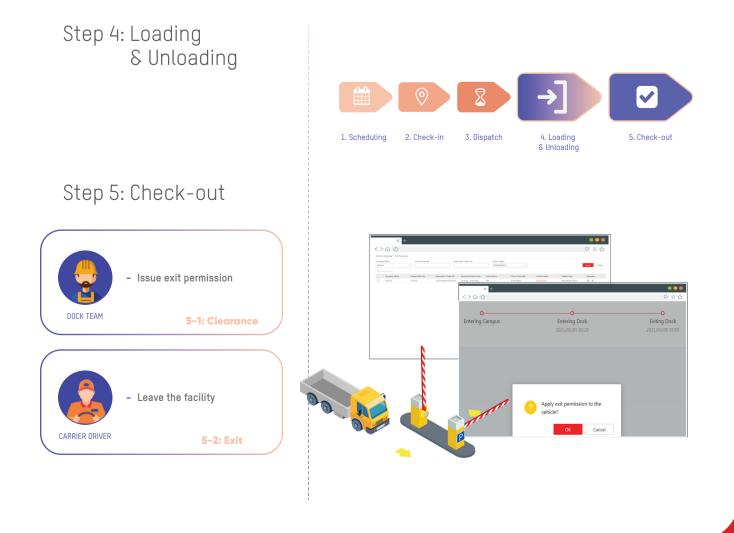


# **Application & Features**



# Step 3: Dispatch





## **Product Showcase**



**HIKVISION**°