

AEGIS IoT

Weighbridge Smart Sensing Solution
Product Overview

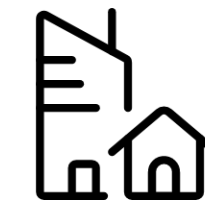
AEGIS IoT Enterprise Suite



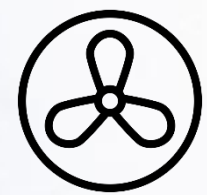
Manufacturing



Retail & Supermarkets



Residential

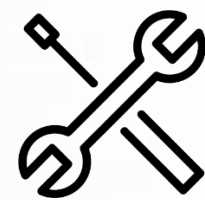


HVACR

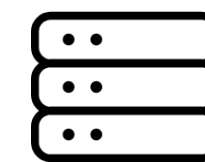
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Food Production &
Manufacturing



Asset Management



Data Center

AEGIS IoT



Keep your assets safe with AEGIS IoT Weighbridge Smart Sensing Solution

Assets Accountability

Build accountability for assets across organization.

Assets Protection

Reduce loss or theft of high value assets.

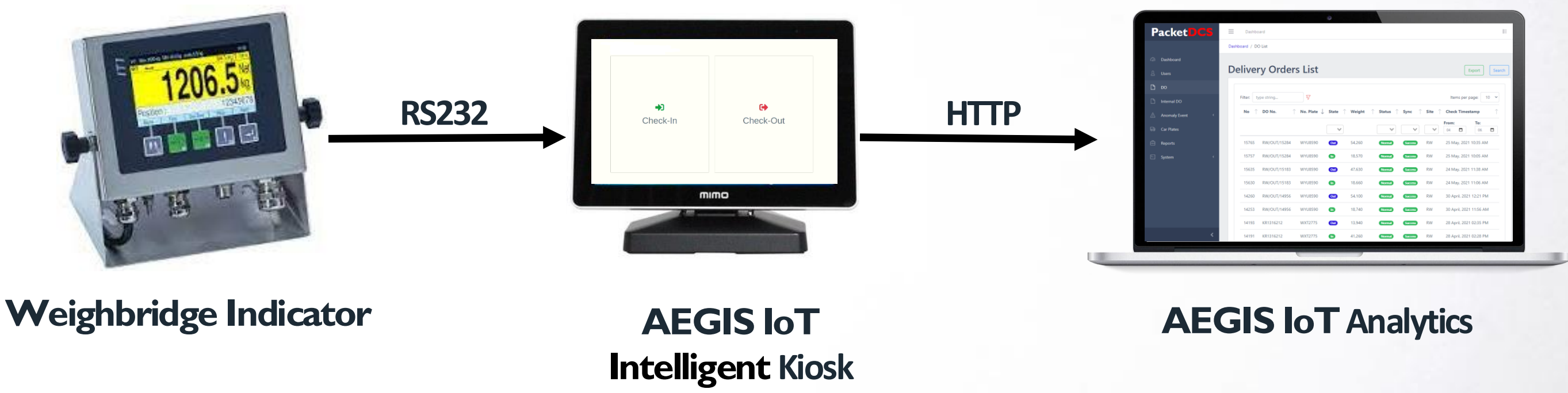
Assets Visibility

Organization have instant visibility of assets and able to keep track incoming and outgoing assets.

Weighbridge Smart Sensing Solution Overview

Assets Tracking and Management via AEGIS IoT

- 1. Support any weighbridge indicator with industrial standard RS232 protocol.
- 2. Smart intelligent kiosk capable of supporting check in and out operation as well as processing anomalous event.
- 3. Automated alert when anomaly is detected via smart AI object recognition.
- 4. View powerful analytics and assets status via **AEGIS IoT Analytics**.



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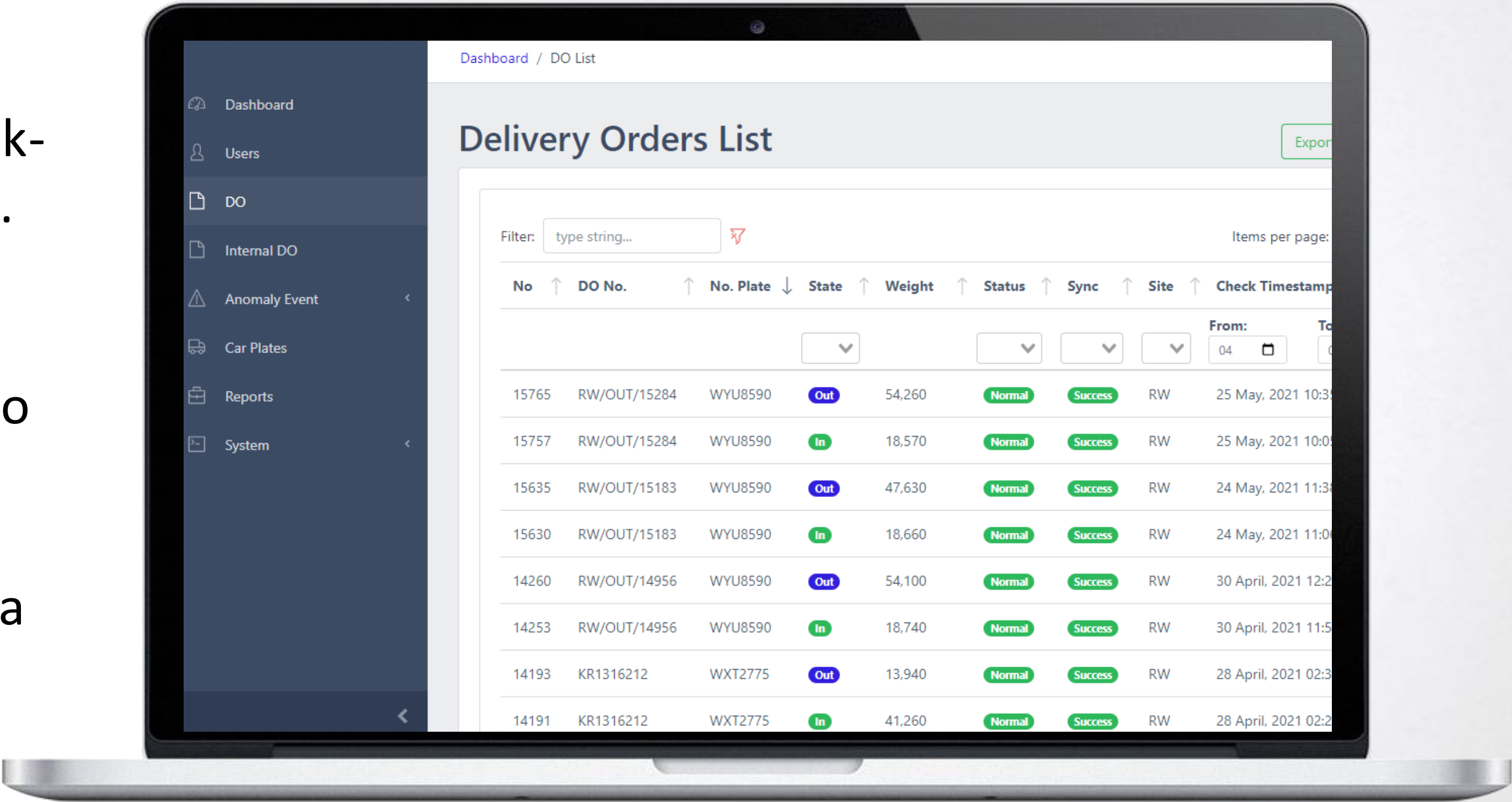
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Key Feature of AEGIS IoT Weighbridge Smart Sensing

- 1. Intelligent comparison to avoid false positive rate by comparing and archive anomaly event against any check-in/out event within the same condition and time frame.
- 2. Smart vehicle classification automatically classifies anomaly event into different category (Heavy & Light) to ease auditing.
- 3. Monitor visitor/employee entry and exit from facility via anomaly detection module.
- 4. Customizable detection condition via kiosk config file.



AEGIS IoT Analytics



Realtime Check-In and Out Activity

Monitor check-in and out activity in real-time, with detail packed information.

Delivery Orders List

Delivery Order Details

Information

DO No

RW/OUT/15284

Car Plate No

WYU8590

State

In

Weight

18,570 KG

Images









Close Case

Filter:

No	DO No.	No. Plate	State	Weight	Status	Sync
15765	RW/OUT/15284	WYU8590	Out	54,260	Normal	Success
15757	RW/OUT/15284	WYU8590	In	18,570	Normal	Success
15635	RW/OUT/15183	WYU8590	Out	47,630	Normal	Success
15630	RW/OUT/15183	WYU8590	In	18,660	Normal	Success

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Anomaly Event

Find captured anomaly events with incident video as evidence.

Anomaly Event List (Heavy)

Filter:
type string...

Items per page:
10

From:
05/30/2021

To:
06/24/2021

Id	Site	Recorded Timestamp
27345	KM	31 May, 2021 06:06 PM
27344	KM	31 May, 2021 05:30 PM
27341	KM	31 May, 2021 04:52 PM
27340	KM	31 May, 2021 04:50 PM
27336	KM	31 May, 2021 04:01 PM

Information

Event Id 27345

Recorded Timestamp 2021-05-31 18:06:04

Weight 12960

Video

[Video 1](#)[Video 2](#)[Video 3](#)[Video 4](#)



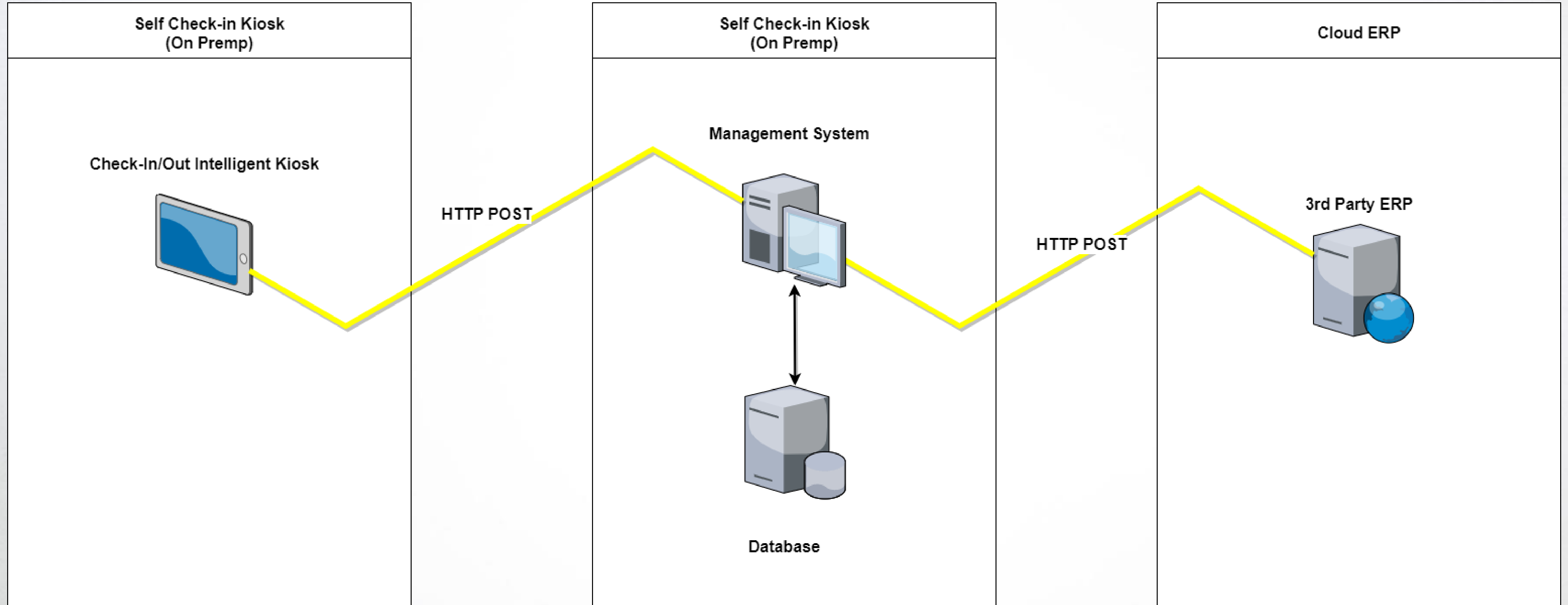
[Export](#)[Search](#)

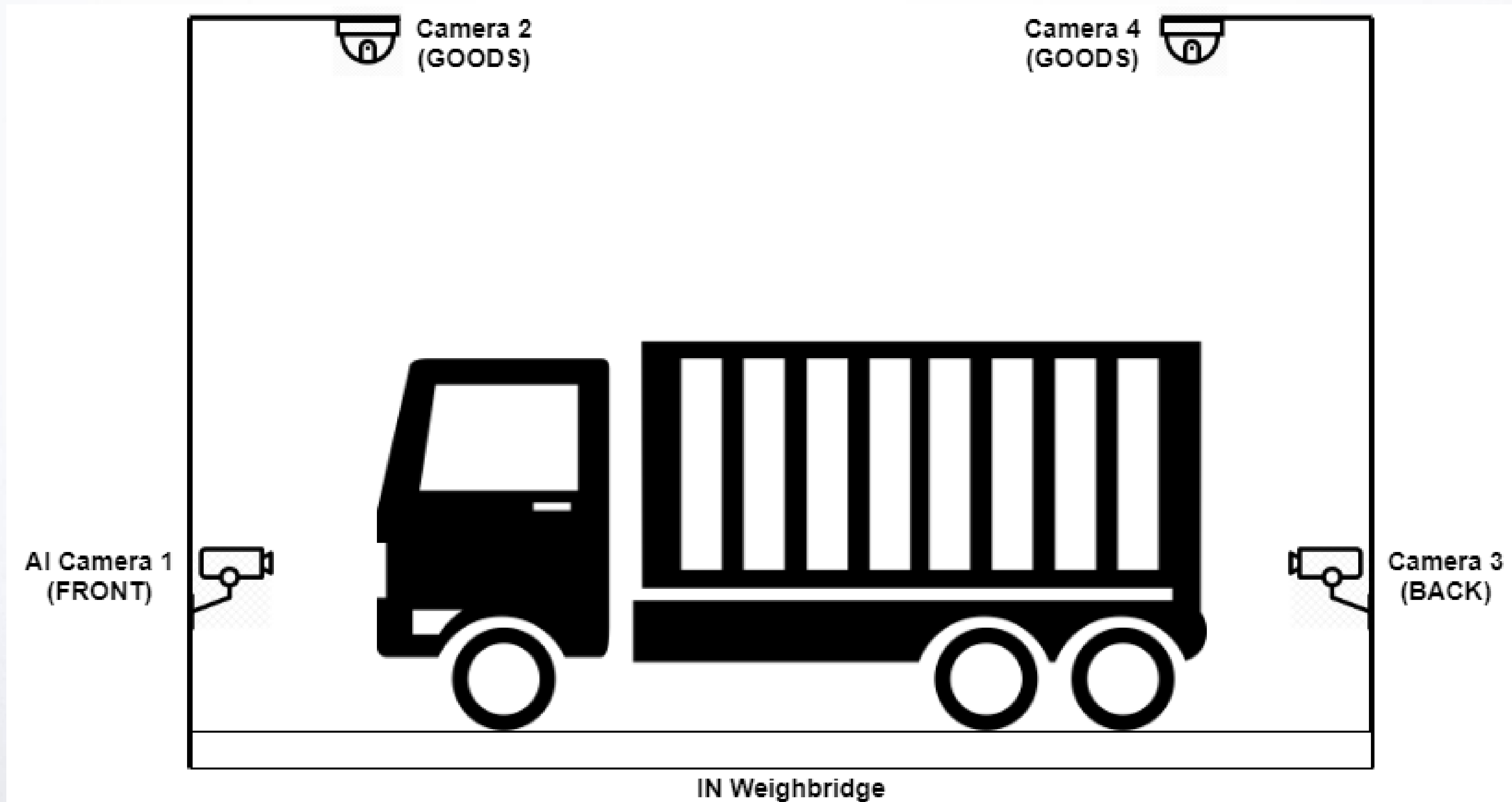
Advance Reporting

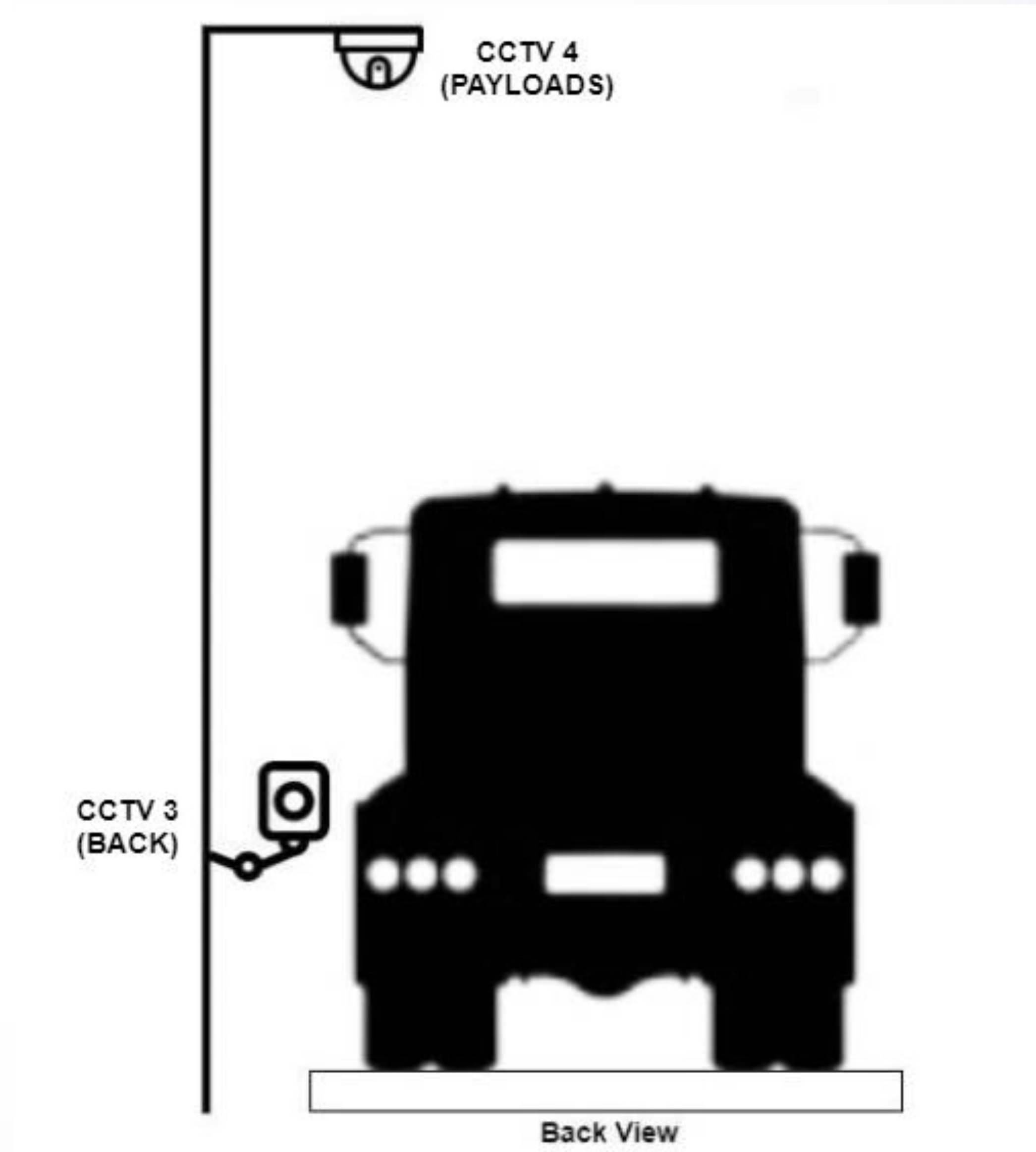
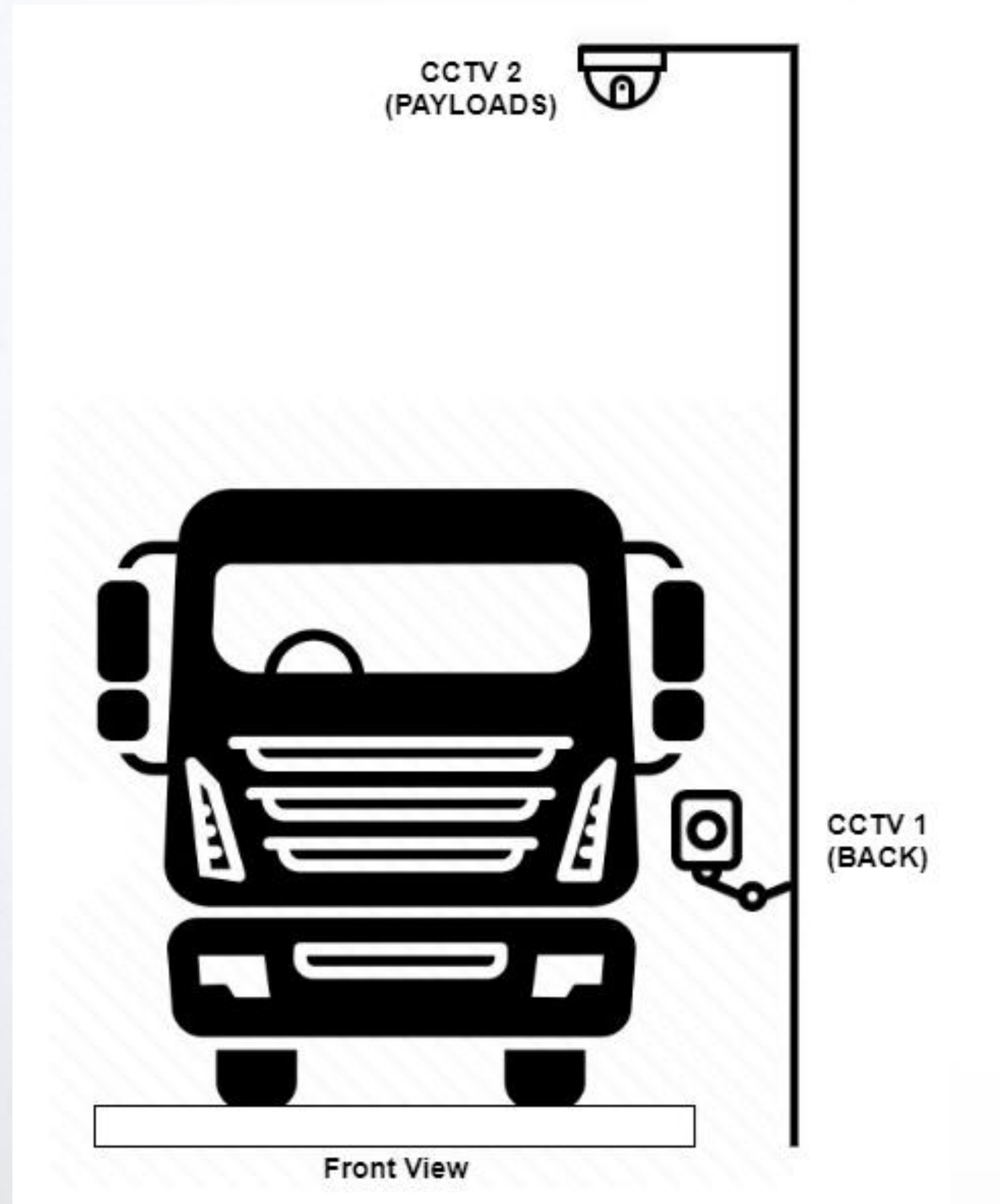
Generate powerful report to ease monitoring and auditing.

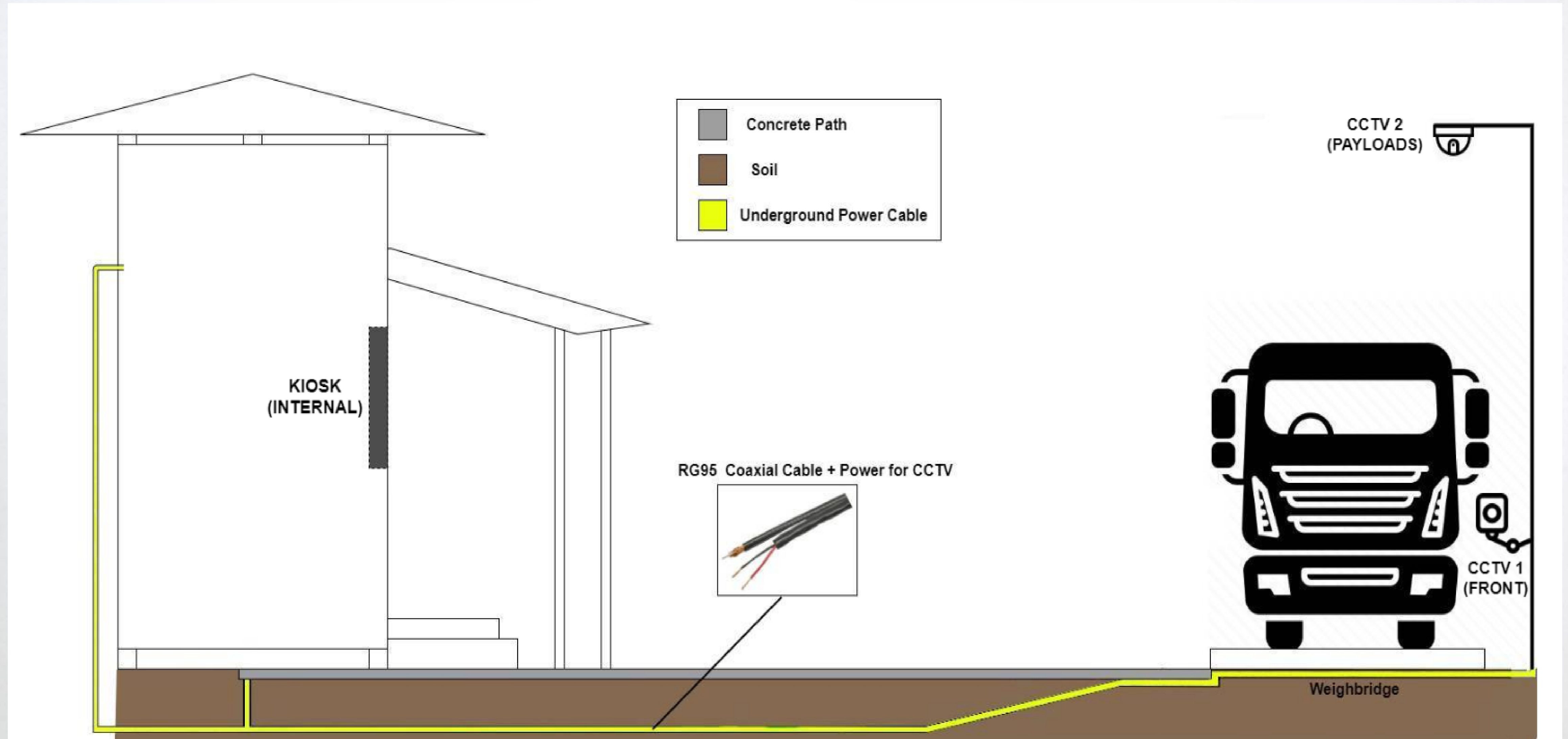
DO No	Site	Check-In Car Plate No	Check-In Weight	Check-In Timestamp	Check-Out Car Plate No	Check-Out Weight	Check-Out Timestamp	Net Weight	Estimated Pallets	Check-In Images 1	Check-In Images 2	Check-In Images 3	Check-In Images 4	Check-Out Images 1	Check-Out Images 2
KM/OUT/15719	KM	NCK7880	12400	4/26/2021 8:25	NCK7880	36780	4/26/2021 8:43	24380	16.25						
KM/OUT/15878	KM	MAK6028	7800	4/26/2021 8:36	MAK6028	24480	4/26/2021 8:48	16680	11.12						
KM/OUT/15876	KM	NCC2857	12180	4/26/2021 9:04	NCC2857	31840	4/26/2021 9:19	19660	13.11						
KM/OUT/15879	KM	NCK7880	12420	4/26/2021 9:03	NCK7880	35540	4/26/2021 9:22	23120	15.41						
KR1315607	RW	NCF8659	44980	4/26/2021 9:19	NCF8659	12420	4/26/2021 9:27	-32560	-						

How does it work?









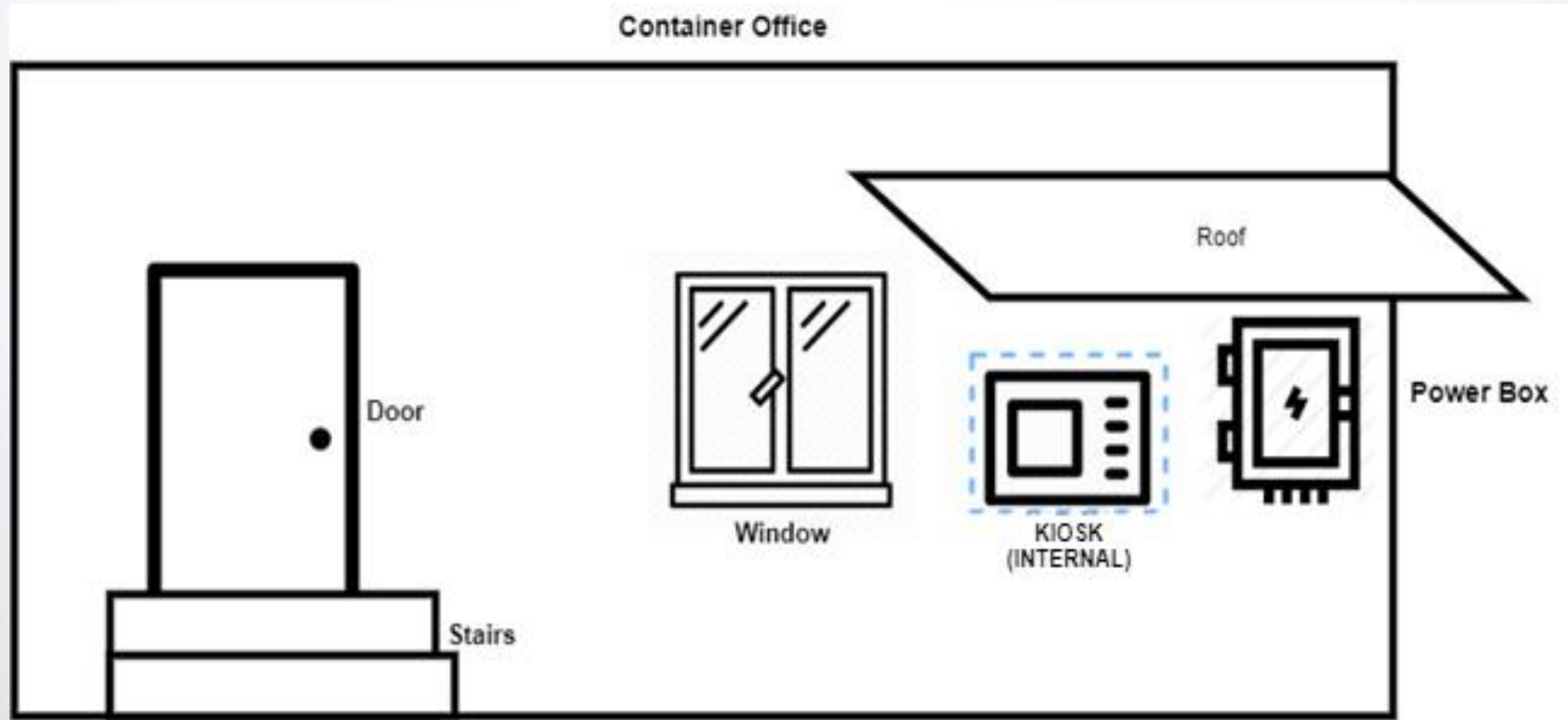
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The Solution

2MP WDR IR Bullet Network Camera

Product Specification	
Image Sensor	1/2.8" CMOS
Image Resolution	1920 × 1080
Video Resolution	Main stream: 1920 × 1080 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-30 fps)
Video Compression	H.264B/H.264M/H.264H/H.265/MJPEG
Picture Encoding Format	JPEG
Intelligence	
General IVS Analytics	Tripwire, intrusion



License Plate & Object Recognition AI Camera

Product Specification	
Image Sensor	1/2.8" CMOS
Image Resolution	1920 × 1080 (OSD black strip excluded)
Video Resolution	Main stream: 1080P (1920 × 1080)/720P (1280 × 720)
	Sub stream: 720P (1280 × 720)/D1 (704 × 576, 704 × 480)/CIF (352 × 288, 352 × 240)
Video Compression	H.264B/H.264M/H.264H/H.265/MJPEG
Picture Encoding Format	JPEG
Intelligence	
Vehicle Detection	Vehicle capture rate ≥99%
Vehicle Recognition	Supports recognizing vehicle type, vehicle logo, vehicle series, vehicle color, license plate, features of driver and front-seat passenger, and vehicle without plate. Vehicle recognition rate ≥95%
Video Metadata	Yes
Intelligent Track Frame	Intelligent frame display. Supports displaying vehicle plate and vehicle path



AEGIS IoT Smart Kiosk Specification

Material: Aluminum

CPU: Intel Celeron Processor

BIOS: AMI BIOS, ACPI supported

Graphics: Intel HD Graphics

Memory: 1* SO DIMM DDR3/L 1333/1600 (4G RAM)

Storage: 1* Msata SSD

Network Card: 1000M Nic

Audio Cards: ALC662 sound chip

I/O Port: DC + HDMI+ VGA+ LAN+ USB 2.0*7+ MIC+ SPK+ 2*COM RS232

Power: DC100-240V AC/50-60Hz, DC 12V3A

Operating Temperature: 0°C~70°C Centigrade

Storage Temperature: -20°C~80°C Centigrade

Relative Humidity: 10%~90% (non-condensing)

Size: 234*150*43mm

Weight: 2.5kgs

Consumption: 15/17W

Cooling system: Fanless

Feature:

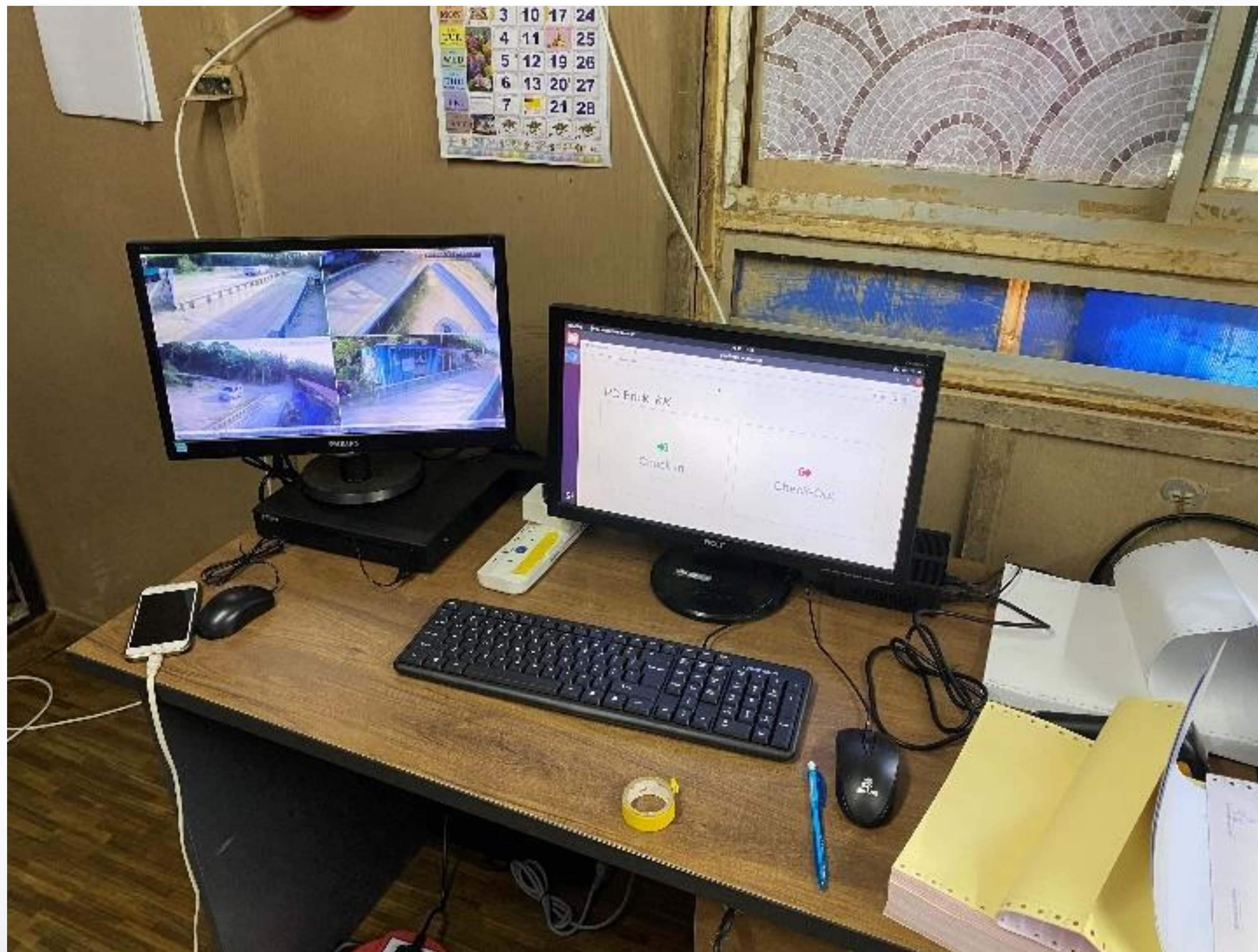
- Check In and Out Kiosk Module
- Anomaly Detection Module
- Support Offline Buffer
- Data Sync to Server when Connectivity Resume



AEGIS IoT Smart Kiosk Specification



Screen size: 11.6 inches
Screen ratio: 16:10
Interface type: HDMI VGA DC USB 2.0 TV audio
Vertical viewing angle: 178°
Panel type: IPS
Average brightness: 350cd/m²
Resolution: 1366x768
Horizontal viewing angle: 178°
Response time: 1 millisecond
Gross weight: 0.2KG
Touch screen type: capacitive
Dot pitch: 0.28mm
Refresh rate: 60Hz



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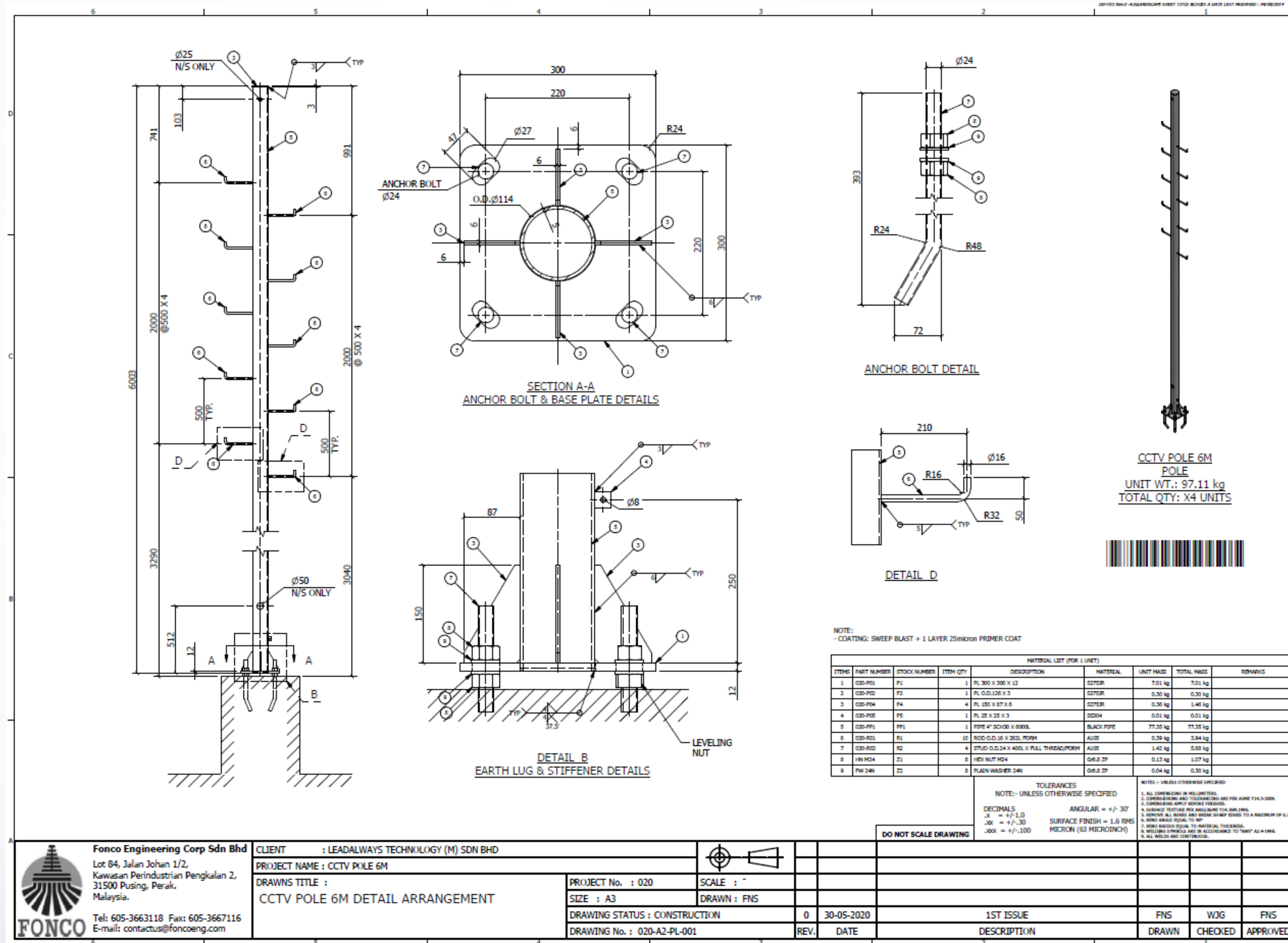
AEGIS IoT



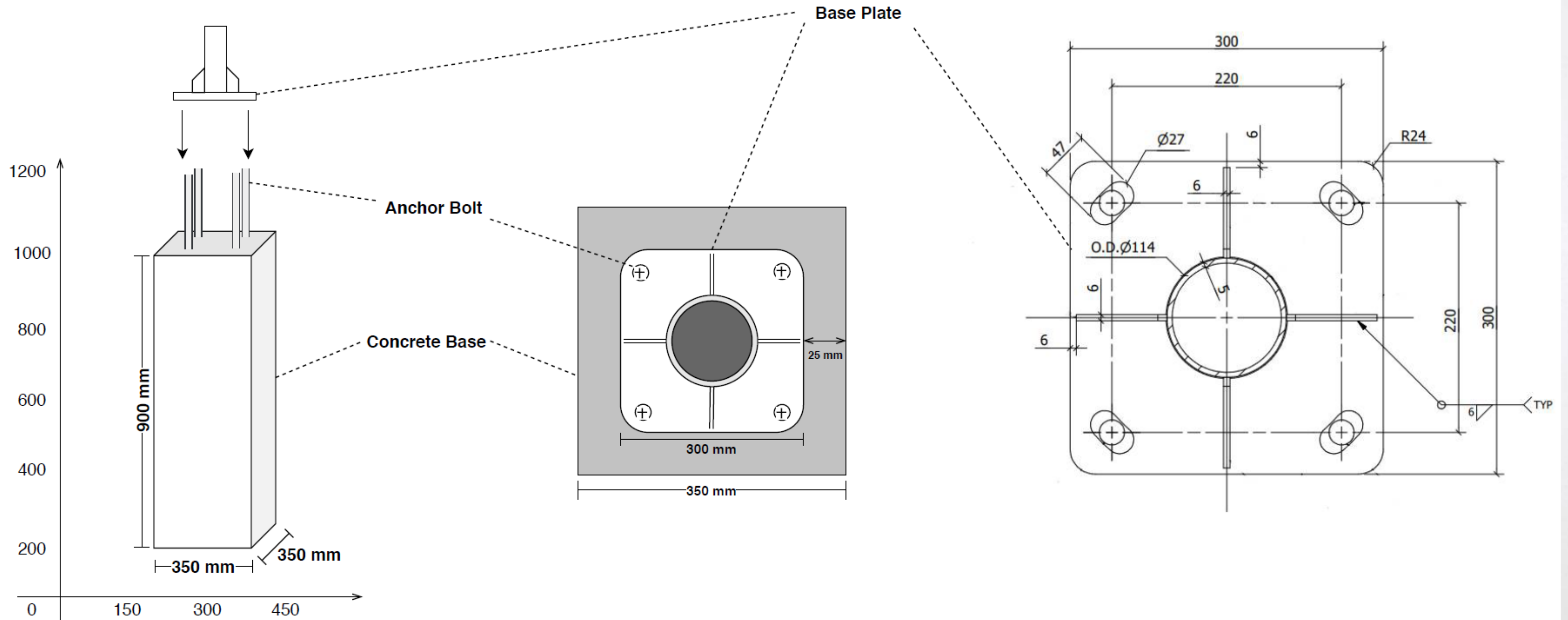
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Concrete Base & Base Plate Measurement



Implementation Process

Implementation Process

Implementation Process

The implementation method described in this entry is a generic method and not a specific implementation method as such. It is based on Standard and case studies from various sources and presented as a collection of processes and products that make up a complete implementation method to allow any organization to plan and execute the implementation of the software.

We present our successful applied **DREAMS** process, which we have implemented in numerous projects. In order to meet the customer's requirements this process is extended to its full potential.



Remicle Implementation Process



Technical & Installation Training

Onsite Installation Training

During the technical & installation training exercise, our skilled team of engineers will be deployed client location to conduct a training session with client's technical & engineering team.

Here we will present the industrial best practice, tip & tricks on the best mounting and installation method of the devices.

And of course, installation guide & manual will be provided.



 **QUESTIONS &
ANSWERS**

Go ahead. **Don't hesitate.**

THANK YOU

For **your** attention!
