

**Vaaan**

# NETWORK & EQUIPMENT MONITORING SYSTEM

## TECHNICAL DATASHEET

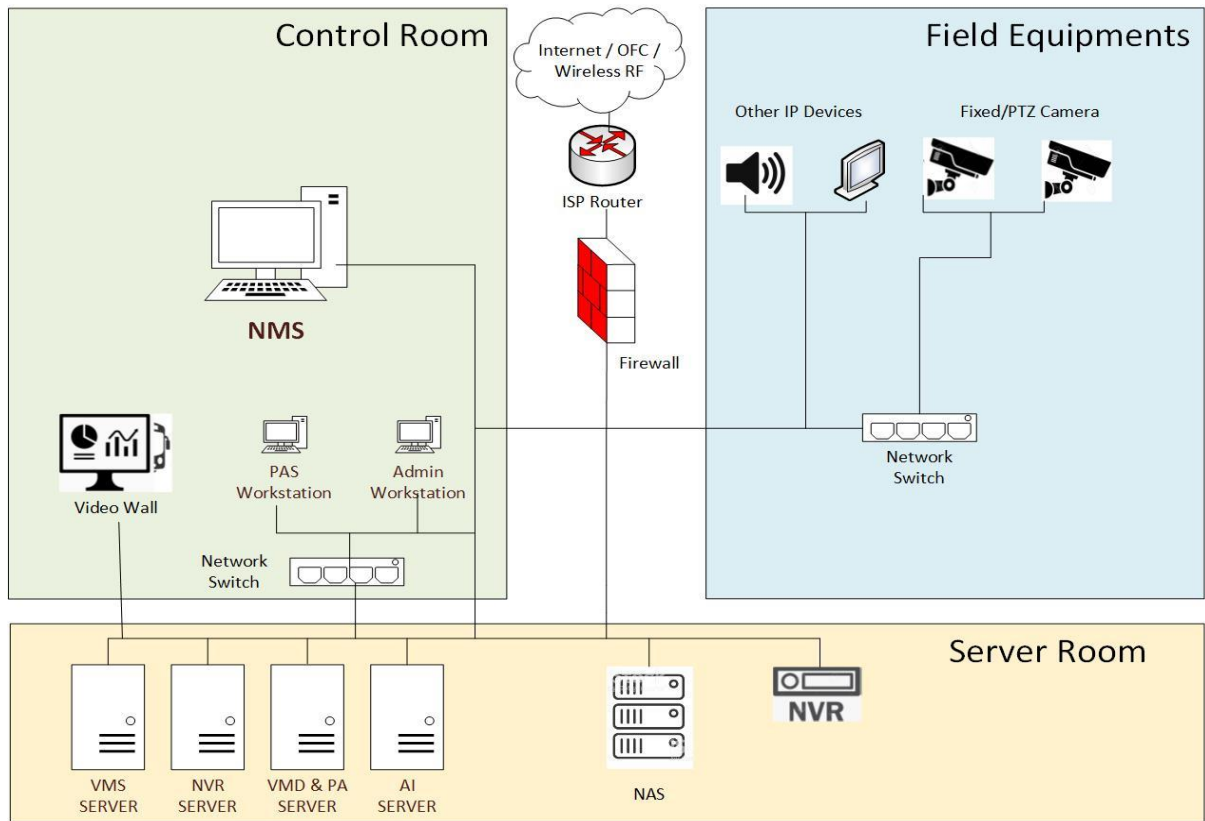
### At a Glance

Vaaan's Network & Equipment Monitoring System enables viewing of status of equipment on a map with colour coding indicating Operational / Non-Operational as well as compute SLA requirements of the equipment. To achieve this, interface to the equipment to derive operational status is the key to providing this dashboard on a map. Often equipment which are disconnected from the network tend to be indicated as non-operational but availability of such tools is useful in identifying whether the issue is related to network or, equipment. Vaaan's NMS is flexible to monitor & manage heterogeneous network equipment in public, private environment which helps IT teams to diagnose and resolve network and equipment issues.

#### Key features:

- Used in ATMS, Toll Plazas, Surveillance System, Smart City etc
- Use SNMP protocol to Monitor the Network and other Manageable Devices
- Easy to integrate with 3<sup>rd</sup> party Devices
- Custom Reporting as per Requirement
- Web based application to Monitor the Network
- 24/7 operation and minimal maintenance
- Add and remove the devices in easily
- Notification via email, SMS & provision to interface
- Advanced Alarm filters
- Scalable when needed
- Proactive against the network failure
- GUI based Configuration module
- Manual Audit Module for downtime validation

# Typical NMS Architecture

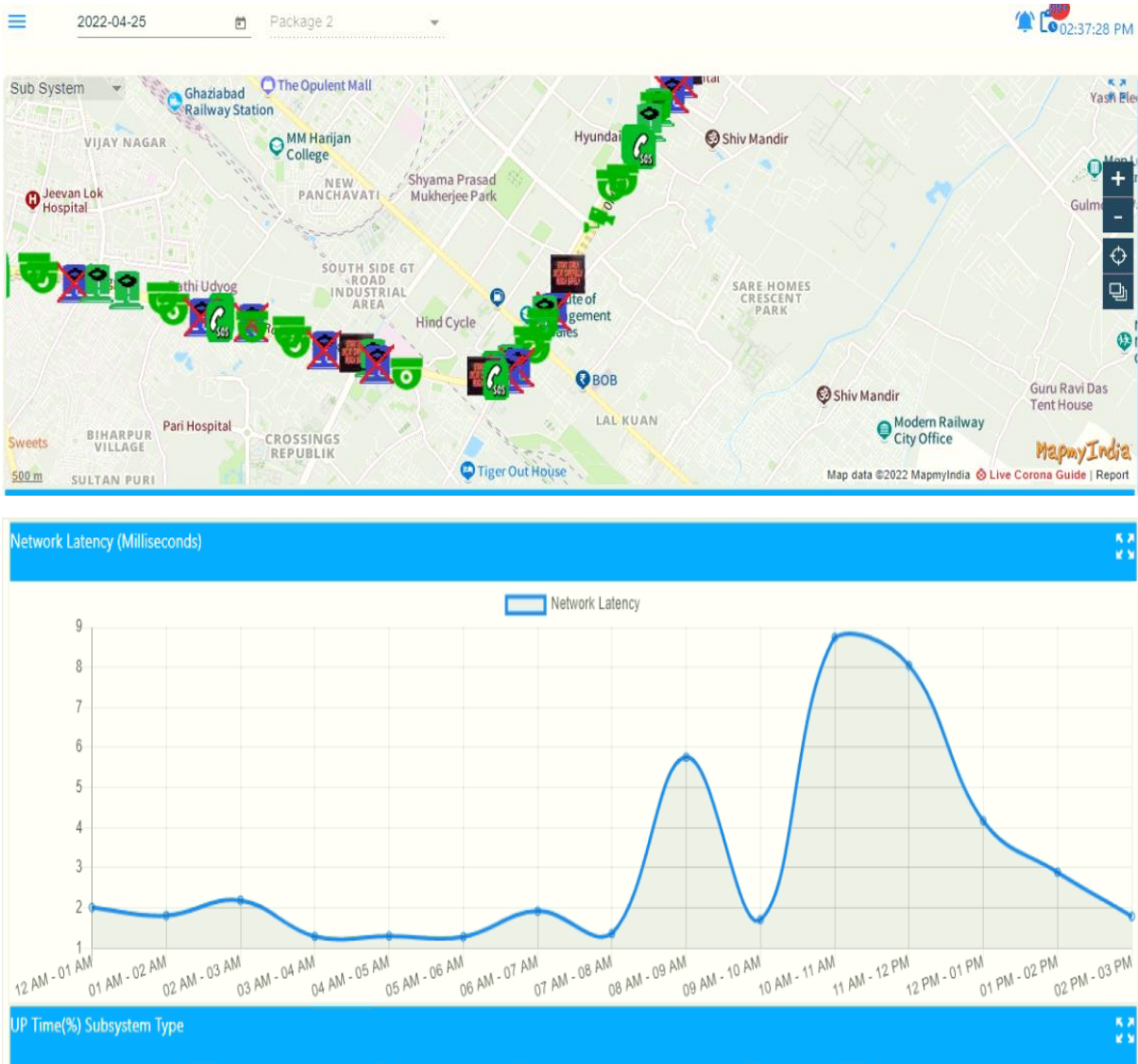


# NMS Typical Specifications

Features and Performance	
Unified Monitoring Tool	NMS, Log management & Flow monitoring all in one platform with single dashboard
High Availability	Computes it's own Up/Down time
Compliance	Comprehensive Reports for various compliance requirements
Plug-in-driven architecture	Easy to integrate and scale
Scalable	Easily scalable
System Requirements	
CPU	4 Core – 64 bit processor
RAM	16 GB

<b>Storage</b>	<b>160 GB or, as per client requirements</b>
<b>Display</b>	<b>DSI, HDMI, DP, eDP</b>

## Typical NMS Dashboard



## Typical NMS Configuration Module

Manage Site		
Package 1		
Hardware Type	Category Name	Methodology Type
CCTV	Field Equipment	PING
ECB	Field Equipment	OTHER
ATCC	Field Equipment	PING
ANPR	Field Equipment	
RADAR	Field Equipment	
VIDS	Field Equipment	PING

## System Generated Report

NATIONAL HIGHWAY AUTHORITY OF INDIA		Welspun				
Down Time Report						
CR Name	: Package 1	Date From	: 28-03-2022			
Sub System Type	: Welspun - Field Equipment	Time Period	: Daily			
Sub System	: VIDS	Audit Status	: No			
Equipment	: VIDS Sub-System					
S.No.	Device	Hardware Type	Ip address	Down Time	Up Time	Down Time (Minutes)
1	Km.07+480	VIDS	192.168.98.146	28-Mar-2022 10:32:34	28-Mar-2022 10:35:48	4
2	Km.07+480	VIDS	192.168.98.147	28-Mar-2022 10:32:37	28-Mar-2022 10:35:49	4
3	Km.02+820	VIDS	192.168.98.142	28-Mar-2022 11:29:12	28-Mar-2022 11:35:18	7
4	Km.02+820	VIDS	192.168.98.143	28-Mar-2022 11:29:15	28-Mar-2022 11:35:18	7
5	Km.03+100	VIDS	192.168.98.144	28-Mar-2022 11:29:18	28-Mar-2022 11:35:18	7
6	Km.03+100	VIDS	192.168.98.145	28-Mar-2022 11:29:21	28-Mar-2022 11:35:18	7
7	Km.07+480	VIDS	192.168.98.146	28-Mar-2022 11:35:19	28-Mar-2022 11:38:12	4
8	Km.07+480	VIDS	192.168.98.147	28-Mar-2022 11:35:22	28-Mar-2022 11:38:13	4
9	Km.01+400	VIDS	192.168.98.138	28-Mar-2022 12:32:57	28-Mar-2022 12:42:16	11
10	Km.01+400	VIDS	192.168.98.139	28-Mar-2022 12:33:02	28-Mar-2022 12:42:16	10
11	Km.01+450	VIDS	192.168.98.140	28-Mar-2022 12:33:04	28-Mar-2022 12:42:16	10
12	Km.03+100	VIDS	192.168.98.144	28-Mar-2022 13:51:35	28-Mar-2022 23:59:59	609
13	Km.03+100	VIDS	192.168.98.145	28-Mar-2022 13:51:39	28-Mar-2022 23:59:59	609
<b>Summary</b>						
Total Down Time (Minutes)	: 1293					
Total UP Time (Minutes)	: 11667					
Total UP Time (%)	:					
<b>This is an Unaudited report</b>						