enceplon
The Brain Vault

ISO 27001:2013

MAKE IN INDIA

REMOTE HEALTH MONITORING SERVICE

A.L.I.V.E

INTRODUCTION

Enceplon has been contributing to surveillance industry in India and overseas since a decade.

In Our era surveillance is key to the ever growing need of safety for people, Communities, regions and countries. Monitoring health of these security infrastructure and equipment's has become necessary part and it is our core strength where we are the experts in scanning IP & Non IP edge devices for live audit.

Live Audit gives an up-to-date information that includes technical information needed to perform and track preventive maintenance and plan for investment improvements such as equipment upgrades and replacement of equipment's, It also periodically checks on quality of video feed which facilitates availability of actionable video footages.

Enceplon designs and manages **Remote Health Monitoring Service** for Individuals, Private and Public Organisations. We have enabled Organisations to get a live insight on their deliverables to their end customer. It's a unique platform developed to integrate large installations with Multi Brand Edge Devices like DVRs, NVRs, Storage Servers, Switches, NMS, IP/Non IP Devices, Computer & Peripherals, Cameras and Sensors, Application and Personal Safety Devices.

Contact Us

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ALIVE

Audit Automated

We enable security infra and projects to get live automatic update on audit parameters on access, roles, asset and configuration.

Live Actionable Status

Actionable Status of IP and Non IP Devices

Round the clock check

Intelligence Grouped

Grouping Device,Users for hierarchical Dashboards for effective and jurisdictions view.

Visual Intelligence

Image wall and stitched video for quick view for summarising incidence with quick escalation and notification
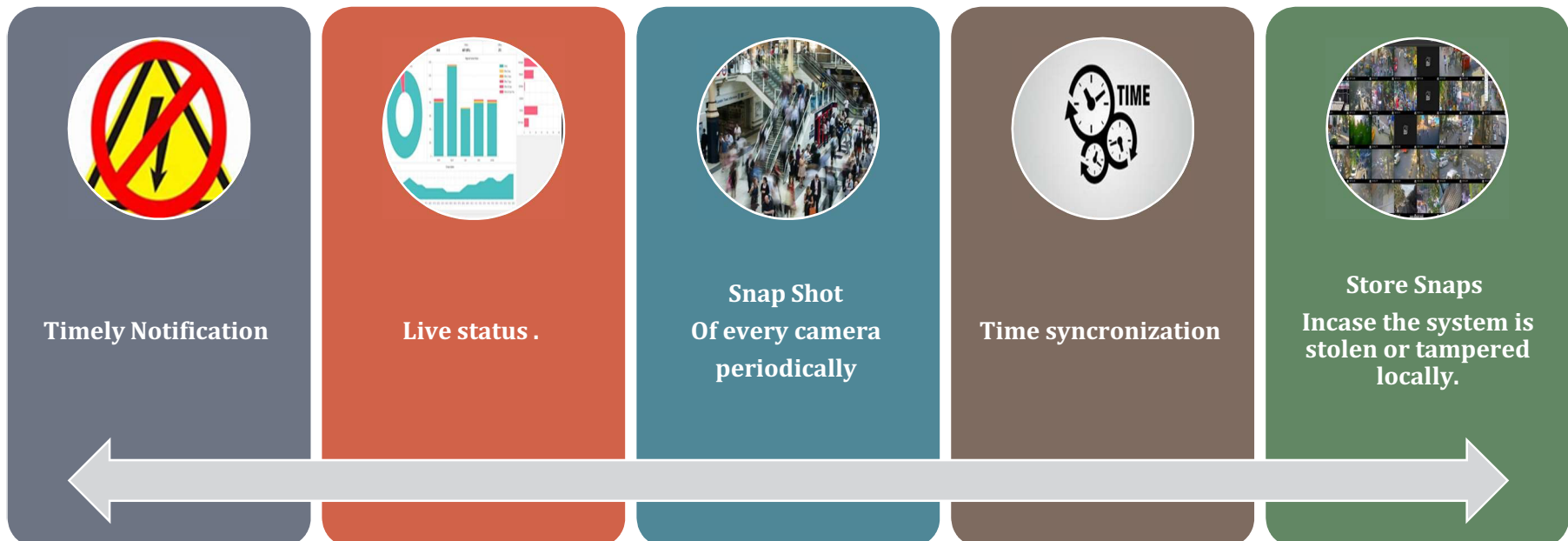
Event Notification

Notification on disruption of power, connection or device failure with port check and user login failures.

REMOTE CHECK IS NECESSARY FOR EVERY SECURITY INSTALLTION...

| You buy systems | Install System | Incident occurs...... | Do you find your systems working?. | NO |

MAJORITY OF THE TIME ITS FOUND SYSTEMS ARE DOWN SINCE LONG TIME, CAMERA FALIED, RECORDING MISSING, HDD ERROR ETC...

WE HELP YOU WITH

| Timely Notification | Live status . | Snap Shot Of every camera periodically | Time syncronization | Store Snaps Incase the system is stolen or tampered locally. |

Our Products & Services

CCTV MONITORING

DO YOU CHECK YOUR CCTV PERIODICALLY?

DOES SOMEONE ALERT YOU PROACTIVELY ON FAILURE?

WE OFFER EVERYTHING YOU NEED FOR UPKEEP AND AUDIT OF YOUR VALUABLE INSTALLATIONS TO GIVE YOU PEACE OF MIND

COMPUTER HARDWARE CHECK

DO YOU KNOW IF THE HARDWARE PRESENT UTLISED?

DO YOU CHECK IF THERE IS MISUSE?

WE OFFER AUDIT CHECK ON OCCUPANCY AND USAGE.

NETWORK UPTIME
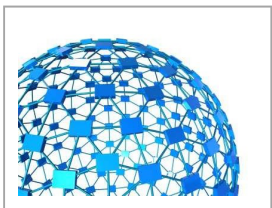
HOW MUCH TIMES THE NETWORK IS AVAIALBLE FOR YOUR INSTALLATIONS?

DOES SOMEONE ALERT AND AUDIT IT FOR YOUR UPTIME COMMITMENT?

WE KEEP PERIODIC CHECK AND ALSO MAINTAIN TRACK RECORD OF FAILURES.

VIDEO WALL AVAILABLITY

IS VIDEO WALL POWERED AND ON?

IS VIDEO WALL DISPLAYING THE RIGHT INFORMATION?

WE CHECK DISTINCT PARAMETERS AND TAKE SNAPSHOT OF DISPLAY UNITS AS PROOF.

STORAGE AND SERVERS

AVAILABLITY OF SERVER ALWAYS CHECKED?

WE DO PERIODIC CHECK MAKING YOU AUDIT COMPLAINT.

LIVE RING MAP
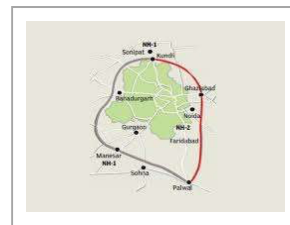
ARE YOU AWARE WHICH PART IN THE NETWORK DEPLOYMENT GONE DOWN?

IS IT MEASURED FOR FAILURE?

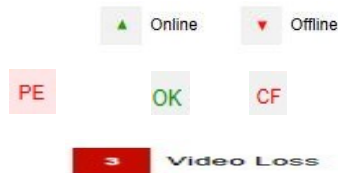**WE DO IT FOR YOUR INSTALLATION LOCAL AND WIDESPREAD.**

REMOTE CHECKS : 0 1 2 3 4 5 6 7 8 9

Overview of Service

IP/NON IP DEVICES

PORTS HTTP,RTSP,DEVICE

DT VIDEO FEED QUALITY

COMMUNICATOIN

▲ Online   ▼ Offline

PE   OK   CF

3 Video Loss

Preventive maintenance   Monitoring of all IT asset   Asset tracking

R Camera On & Recording   Camera On & Not Recording

ASSEST TRACKING

RECORDING AVAILABILTY

HARD DISK FAILURES

TIME SYNCRONIZATION

Audit Automated for compliance.

Customize in Almost No Time
Make It Picture Perfect for your requirement.

CCTV Monitoring

- Checks number of camera and devices in the deployed available network

- Auto alerts failures of system & network

- Time check an synchronization

Hardware Monitoring

- Checks uptime of system

- Captures screenshot of system

- Remote Management system

- Remote Start system

Image Capture Management
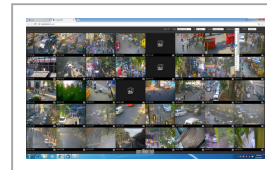
- Periodic Snapshot

- Images of Connected Cameras

- Image Wall of Grouped Cameras

- Sequential Playing

- Of Images Camera wise

Getting Started

Why have your auto check system?

When a CCTV system develops a fault or tampered with, the problem may not be discovered until the next maintenance visit, which may be after a critical incident has taken place.

"Usability Depends only on live availability of devices and equipment's in security and surveillance installations

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If Devices fails ....

RHMS shows Live Status.

Live Dashboard Report

- Problematic cameras and their locations
- Can facilitate physical maintenance in a timely manner.
- Grouped View
- Clear Actionable information
- Online Ticketing and event log creation

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How does it work?

Our CCTV health checking service remotely connects to your CCTV system and retrieves system status and operational information with Date time stamp:

- o Connection Uptime
- o Camera Uptime
- o Hard Disk fault
- o Recording Check
- o Time Check

Benefits This service automatically detects and reports issues to us as they happen. Issues are detected automatically

- o Planed Service Visit
- o Increases Uptime
- o Daily Report
- o Live Dashboard

Video Analytics

Blur Detection

Detection of image quality by comparison with previous saved images and alerting on change periodically.

Obstacle Detection

Detection of obstacles in field of view like trees , hoarding on poles making analytics or camera view affected.
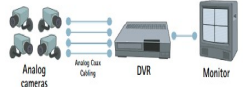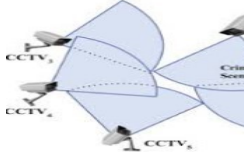
Case Study.

Banking

Challenge Monitoring Uptime and assets of CCTV deployment of multi Brand.

Solution Major brand DVR connected with API and provided Uptime and Asset management and also live dashboard with user based view access about their region/location cameras.

Benefits listed below

Challenges	Solution	
Health Check of CCTV Equipment	Role/Region/Access based Status Live Dashboard	
Use of existing surveillance System	API of equipment's to integrate for information	
Cost Effective Solution	USP of RHMS is modular and can be deployed efficiently	
Multiple Brands Integration	Gets information with Major Available Brands	
Asset Management of Deployed Equipment's	Any Addition and Deletion of Device /Equipment can be tracked.	
Change of HDD	Easily Identified if HDD is removed/Replaced.	
Video Recording Availability Check	Last and Latest Available Time of Recording.	
Network Uptime Status	Status of Network Online/Offline	
Hardware Uptime	Computer & Peripherals Check	
Camera Video Quality Check	Checking Camera Quality with Blur and Obstacle Detection	
Field Of View tamper Check	Change of Angle of Camera Physical	

Education

Case Study.

<u>Challenge</u>

- o No Recording after complaint from parents/students.
- o Camera Field of View Changed.
- o Date Time incorrect.
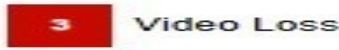- o System Shutdown.

<u>Solution</u>

RHMS alerts on failure detection of Camera for Digital & Network Video Recorders

Updates Administration with type of fault with Occurrence Time.

Recording Last & Latest Status for connected DVRs.

Failure on HDD.

<u>Benefits listed below</u>

Challenges	Solution	
Routine Check	Periodic Scanning of all the CCTV systems for Uptime	▲ Online ▼ Offline
Real Time Alert	Instant Alert on Failure of Camera and Devices.	: 0 1 2 3 4 5 6 7 8 9
History Log	Clear and distinct Notification of times the failure has occurred.	3 Video Loss
Storage: Record,Time	Storage Availability Details with Date & Time of Last & Latest Recording	•ᴿ Camera On & Recording • Camera On & Not Recording
Device & Connections Communication	Notification on Change Password, Network Timeout or failure	PE OK CF DT

Hospitals

<u>Challenge</u>

To ensure CCTV system is working when you need it most.

- Employee Productivity
- Employee disputes
- 24hr Real-time Status in Case of fault
- Visual Evidence if there is tamper of evidence.
- Infant Abduction

<u>Solution</u>

RHMS is an Audit Tool in Surveillance for to manage event records and help create RCA for various challenges brought forward by management.

We keep image evidence available of the all camera with periodicity to check the historic events in few minutes of playback even if the recording gets tampered or storage is destroyed.

Image Evidence is available as per required periodicity and customised Storage need of evidence.This enabled the management to increase productivity as employees where made aware on surveillance checks, also cases got reduced on dishonest claims and disputes.

<u>Benefits listed below</u>

Challenges	Solution	
Employee Productivity	Periodic Scanning of all the CCTV systems for Uptime makes employees aware on the checks on them.	
Employee disputes	Simple Glance through capture images	
24hr Real-time Status in Case of fault	Live Dashboard grouped in location name for instant Check	
Visual Evidence if there is tamper of evidence.	Root Cause Analysis and tracking Camera and equipment tampers.	
Infant Abduction	Periodic Storage of all the camera images eases and quickens the check time enable to detect suspect in lesser time.	

Real Estate

Undesired criminals.

Non-criminal threats like flood, fire, or animal infestation can devalue your property if not observed timely

Periodic Snap shot images and making a check scan footage which is shorted in span but covers longer period to enables monitoring

- Ongoing progress of the site,
- Evaluation of the progress,
- Determining the usage of the resources.
- asOvercome the security challenges at the construction site
- Enables to take decision as there are early warning given on weather and climate change which minimizes loses due to late information.

Challenges	Solution	
Undesired criminals.	Keep eyes on undesired intrusion in your premises Ease of Watch on the common areas	
Non-criminal threats like flood, fire, or animal infestation can devalue your property if not observed timely	Controlled alerts on weather situation and IP Alert Panel and Devices detecting events.	

Retail

Never checked after fitting the System. Manual checking Multiple Sites Recording Status High Annual Maintenance Cost.
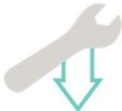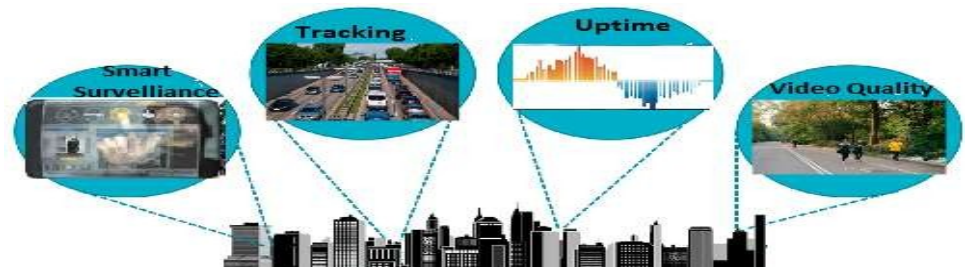

Solution

RHMS does periodic automatically without manual checks.

Keep update on failures and instantly highlights.

Can check numerous sites together for live update

Benefits listed below

Challenges	Solution	
Never checked after fitting the System.	RHMS does periodic automatically without manual checks.	
Manual checking	Auto check of numerous sites together for live	
Multiple Sites Recording Status	Keep update on failures and instantly highlights.	
Maintenance Cost	Visit done for maintenance only if not resolved locally	

City Surveillance

Challenge

- Uptime Check IP & Non IP Components
- SLA Management
    - Application
    - Video Quality
    - Notice of Disruption Ticketing
    - Security Patch Update
- Live Dashboard
- FMS
- Collaborateive
- Live Fibre Ring for fault detection.

Solution

Robust application meeting all the Challenges giving detailed view of the project on allocated groups. Helped project heads to get greater control and realistic live status of entire components.

Benefits listed below

Challenges	Solution
Uptime Check IP & Non IP Components	Performance monitors using protocols with Data Pull.
SLA Management Application Video Quality Notice of Disruption Ticketing Security Patch Update	Enables Organisation to be productive and can prove the SLA deliverables as agreed in contract.
API Development	Development for Interface management.
Live Ring Map	Geo Tagging & Detection of Ring Failure on Map.
Asset Management	Device change Check and Record Management.

System Integrators

Challenge

Update of all the installation available on network

Give proactive alerts on failures and errors.

Additional Business from Existing Customers for AMC.

Allocation and Management of field maintenance executives.

Visit fix issues knowingly and save revisits.

Solution

Low startup cost – no need to purchase any extra hardware or software.	
A service which checks Monitored or Unmonitored CCTV systems.	
Web based status viewing from your web browser or smartphone.	
Daily Status report emails for your CCTV Installations.	