

Stay connected with Bosch VideoView+

A simple and secure way to access
video footage and manage events
from anywhere, at anytime.



Agenda

Introducing VideoView+

Video Security Client

Flexible Event Handling

Watch how it works

Remote portal

Where it all starts

Outlook

VideoView+ going forward



VideoView+

3 Types of Cloud Offerings

The industry is gradually **shifting** from pure on-premise VMS **to the cloud**.

Use on-premise
VMS / NVR and
add cloud capabilities

Use light-weight
Video security cloud
service/
Remote Management

Use full cloud VMS

A light weight solution like **VideoView+** is an ideal fit for those:

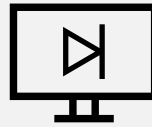
- ▶ Affordable, basic remote management capabilities
- ▶ Who want to manage minimum hardware
- ▶ Wants a simple light weight cloud enabled solution

VideoView+

A light-weight video security cloud service with camera-focused simplicity



VideoView+ provides an easy-to-use and cost-effective solution to remotely connect to your Bosch cameras from anywhere and at any time.



Unlimited remote access to live video and recorded event clips with Video Security Client



Instant push event notifications to proactively investigate any alarms via a desktop computer, laptop, mobile phone, or tablet.



Event recording with 10s clips in the cloud keeping essential evidence safe for future investigation.

VideoView+

Benefits



- ▶ Reduce maintenance cost with minimum hardware onsite



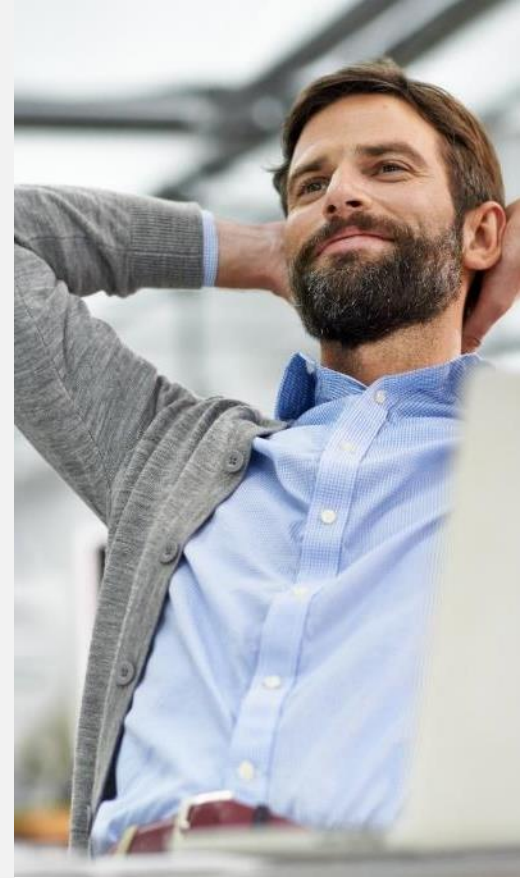
- ▶ Get connected in an easy and secure way



- ▶ Stay informed and improve real-time decision making with instant event notifications

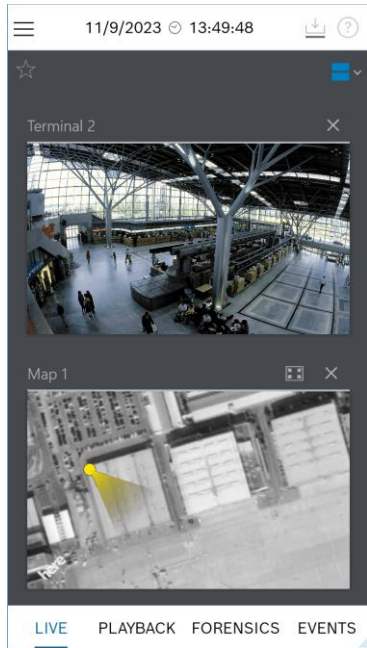


- ▶ Speed up investigations with Forensic Search

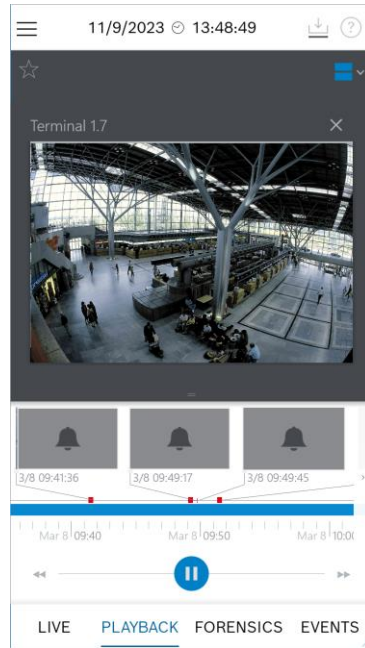


VideoView+

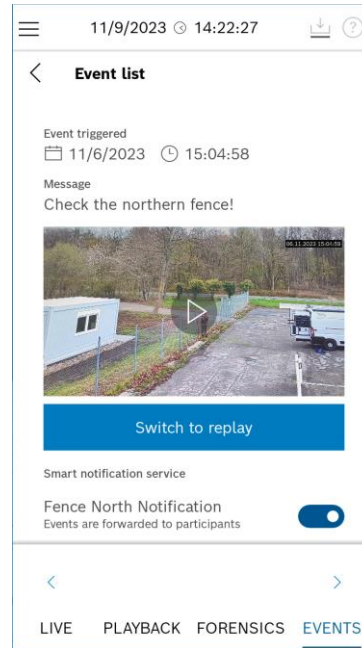
With Video Security Client



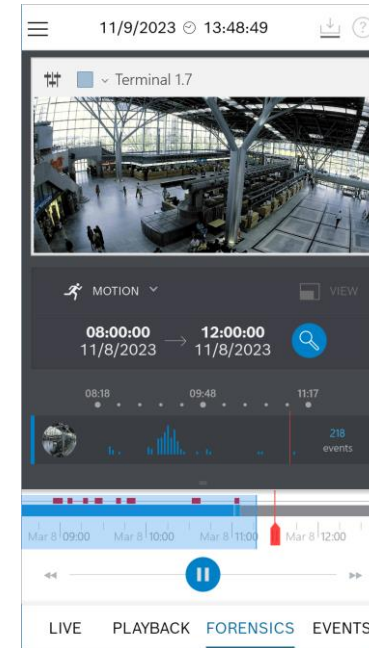
Live view



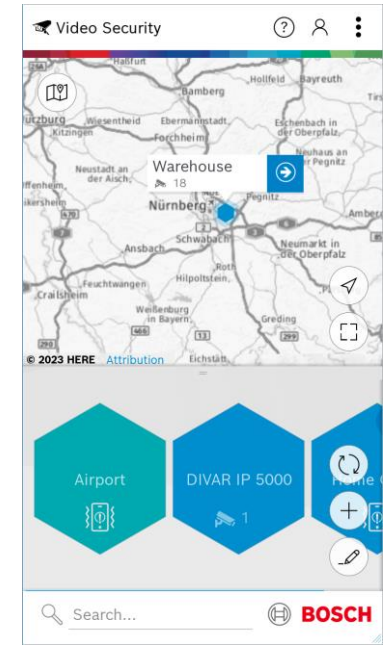
Playback of recordings



Event information



Forensic search

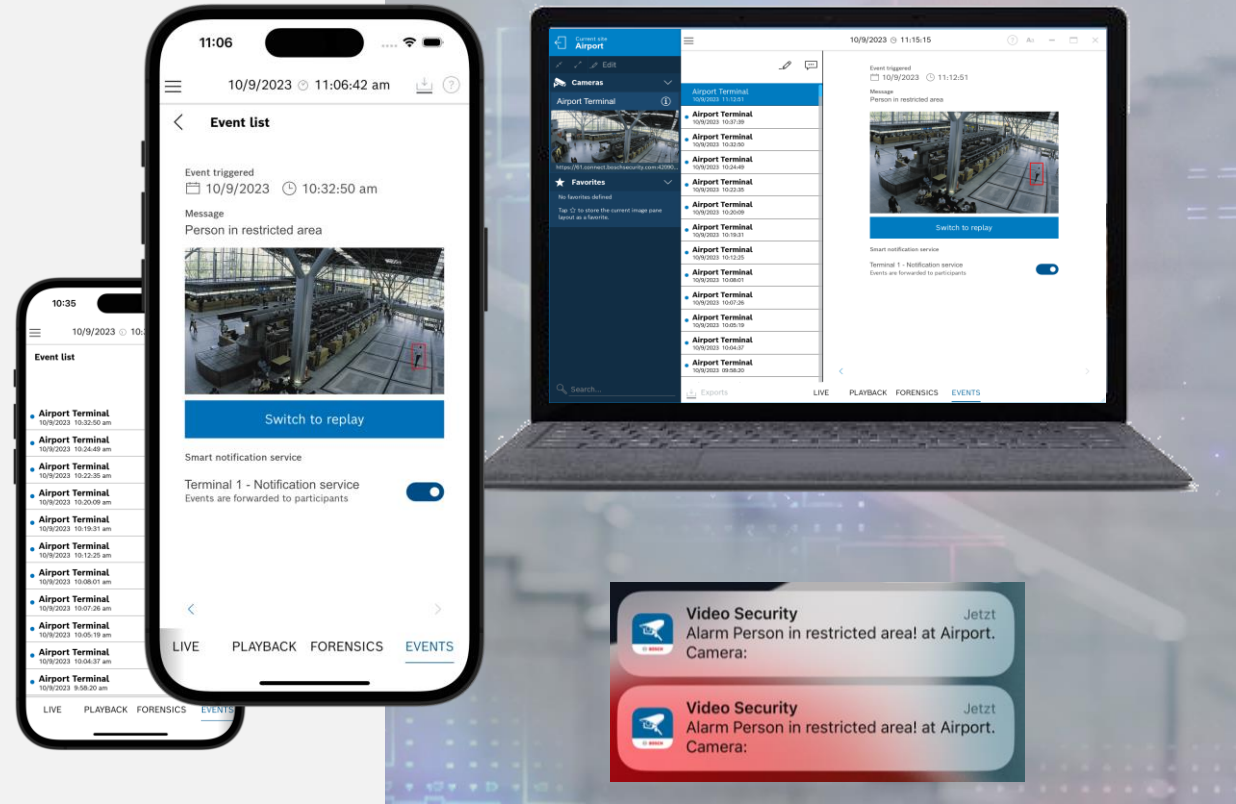


Site selection

VideoView+

Flexibility when surveilling multiple sites remotely

- ▶ Manage incidents and critical events on multiple monitored sites
- ▶ Receive mobile push notifications
- ▶ Have direct access to recorded video clips of events
- ▶ Use your preferred device to investigate
- ▶ 10 second event clip cloud recording with 30 days retention time, keeping essential evidence safe for future investigation



VideoView+

Instant Event Notifications In Action

1

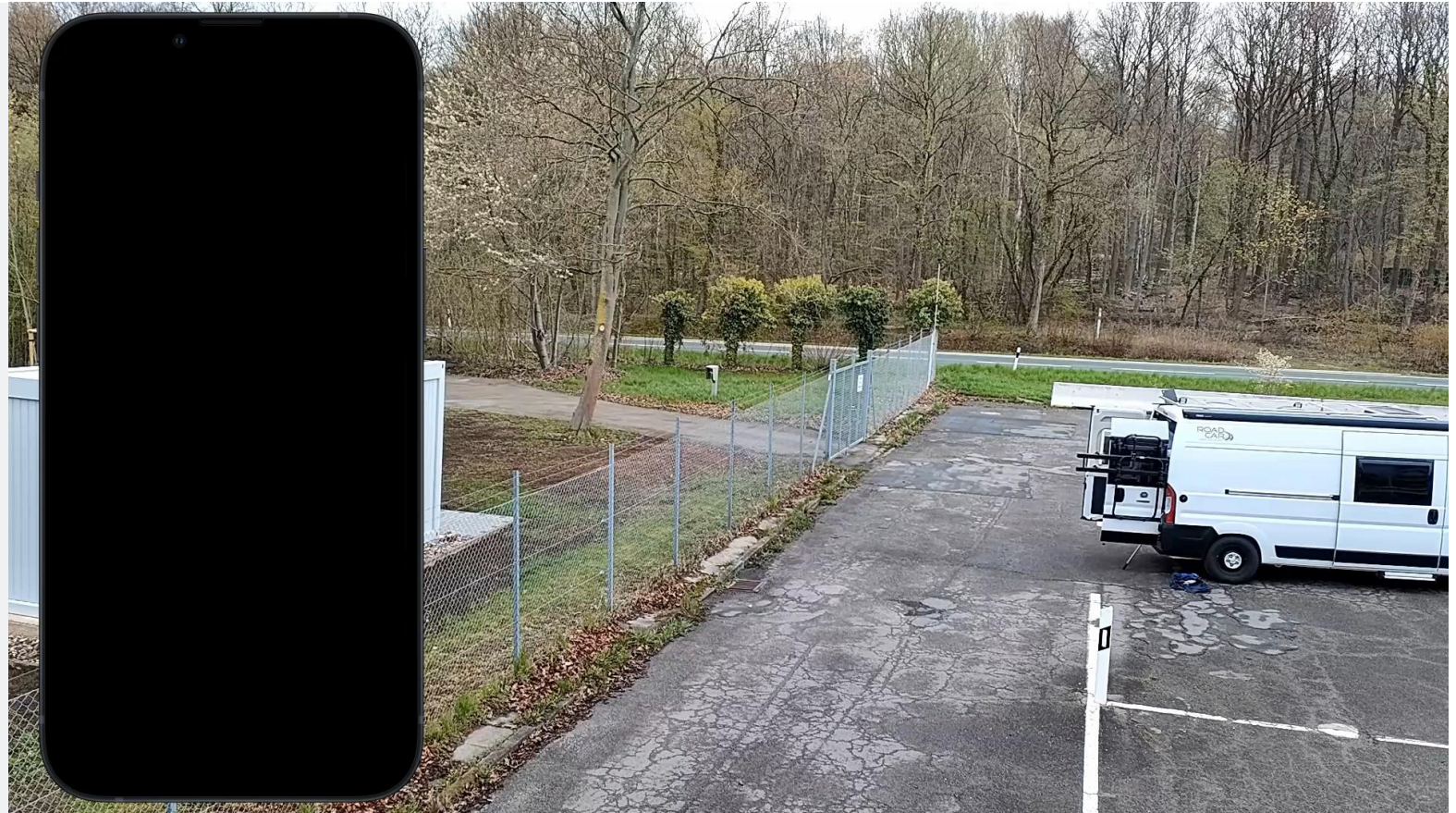
Immediate notification

2

Investigate event through recorded videoclip

3

Respond swiftly and effectively

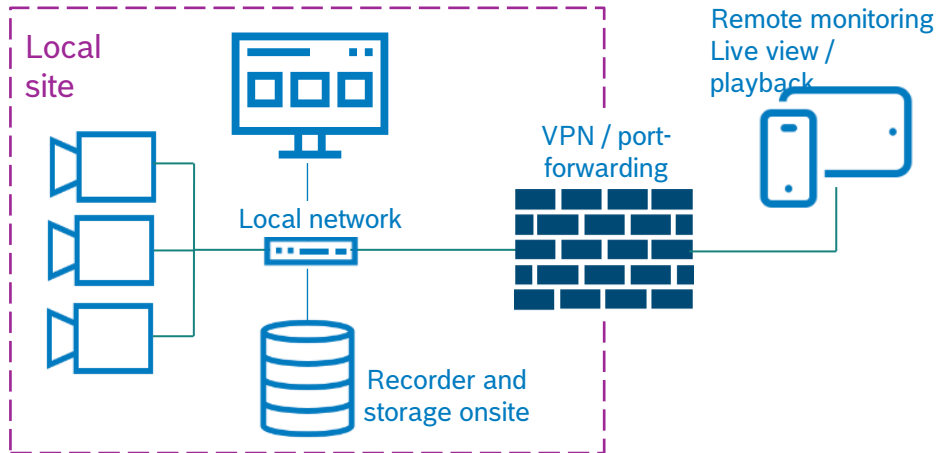


EVERYTHING STARTS WITH REMOTE PORTAL

Why go Cloud-connected with your Security System?

More and more services available

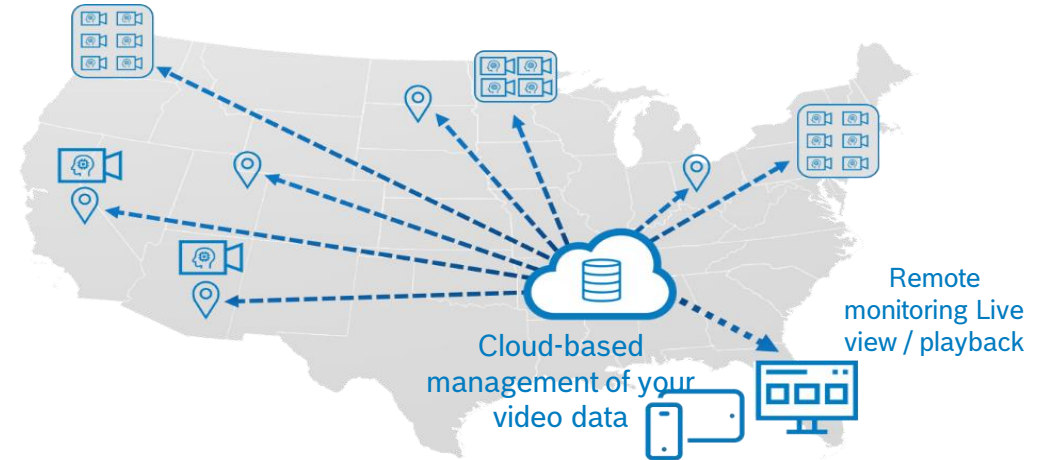
On-premise



Benefits

- Conventional customers tend to feel safer with on-premise solution
- Data physically stored on-site
- Main investment is realized at the beginning
- Site works autonomous and offline (e.g., recording works even if internet is down)
- On-site monitoring without the need for any cloud connection

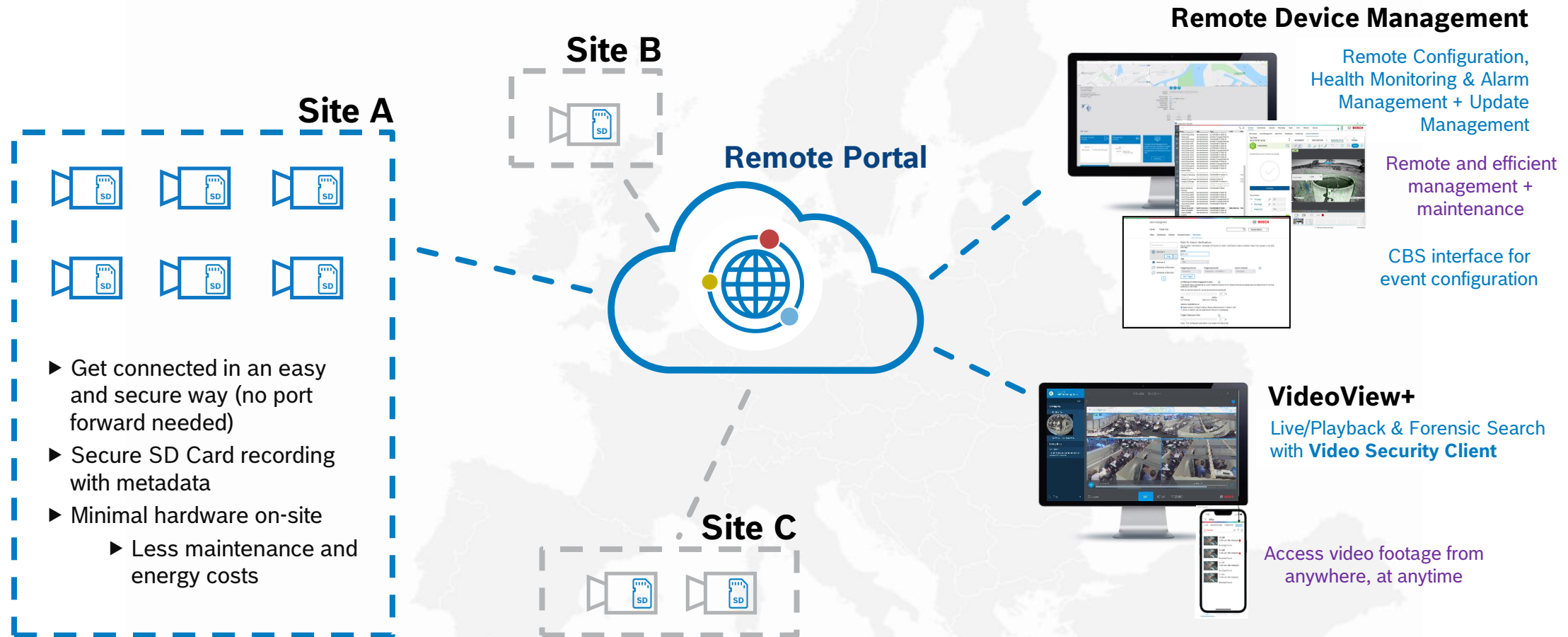
Cloud



Benefits

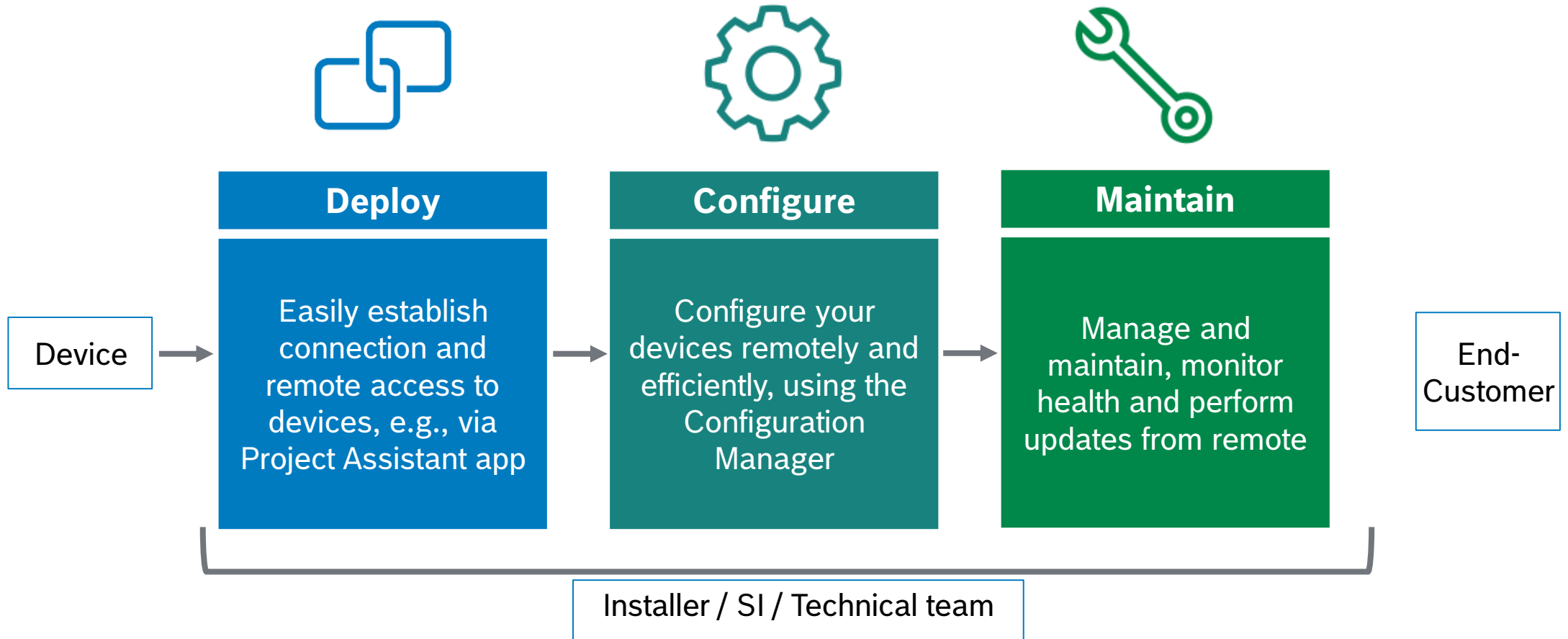
- Minimal hardware on-site
- No hassle with data security as servers are maintained by the cloud provider
- Lower upfront investment
- Get connected in an easy and secure way (e.g., no port forwarding needed)
- Remote and efficient management and maintenance
- Easy deployment of multi-site systems
- Cloud recording ensures secured data as there is no risk that hard drives might fail

VideoView+ System design



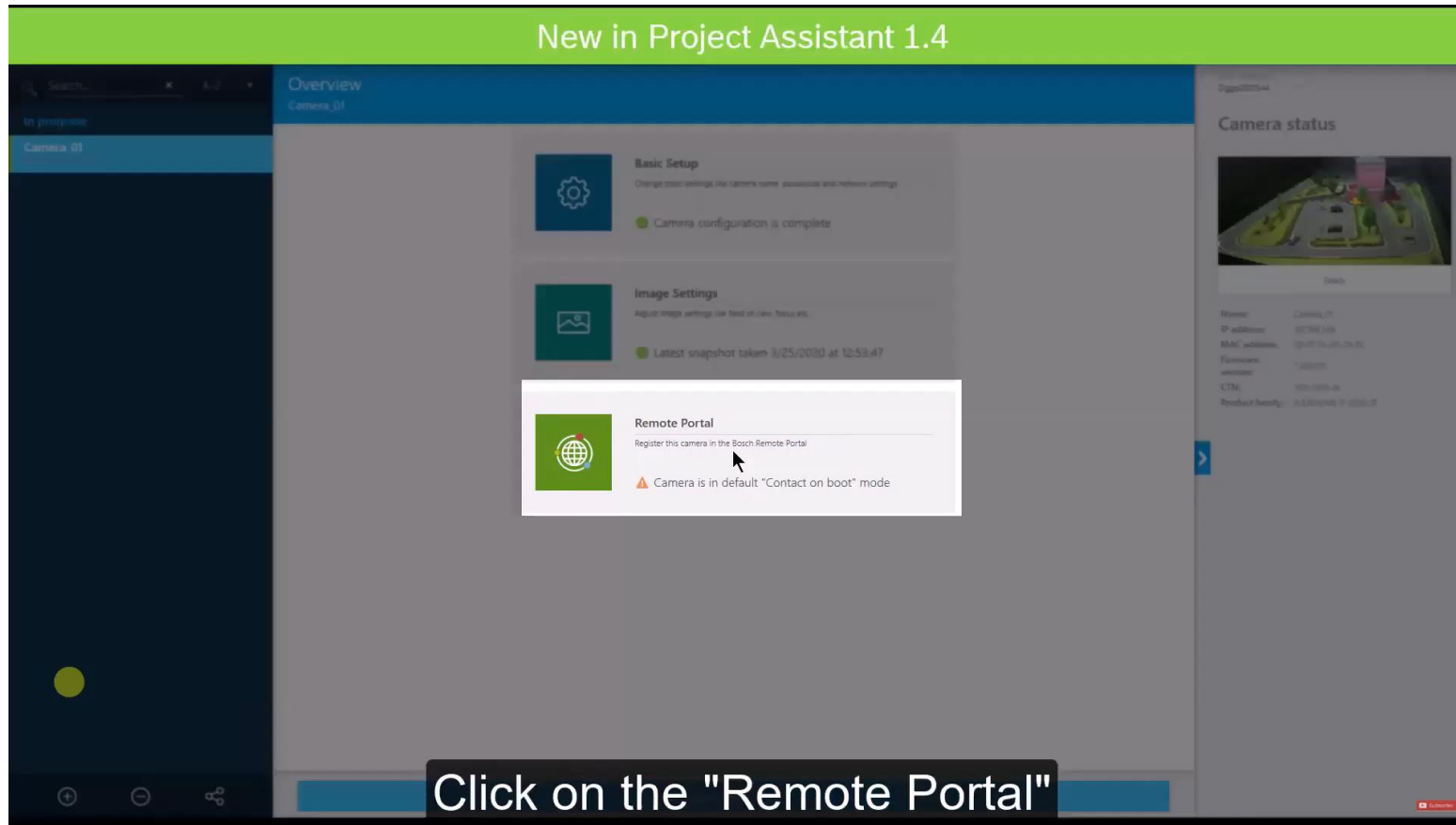
Remote Device Management

Configure and maintain devices remotely



Remote Device Management

Add cameras via Project Assistant, Configuration Manager or camera web-interface



Click on the "Remote Portal"

Remote Device Management

Remote Configuration

[illegible]

- ▶ Configuration Manager is seamlessly integrated in the Remote Portal
- ▶ Allows for remote configuration and calibration of one or multiple cameras
- ▶ Configuration also possible through the camera web-interface, via remote portal

Remote Device Management User Interface

The screenshot displays the Bosch Remote Portal interface. At the top, the Bosch logo and 'Invented for Life' tagline are on the left, and the 'Remote Portal' logo is on the right. Navigation tabs include 'Systems', 'Services', 'Users', 'Service Licensing', and 'Software Licensing'. The 'Users' tab is selected, indicated by a purple dot and a callout box labeled 'User management'. Below the navigation, a filter bar shows 'Online (7)', 'Offline (13)', 'Fire (1)', 'Intrusion (3)', and 'Video (16)', with a note '20 of 20 systems visible'. The main content area is divided into two sections: 'Groups' and 'Systems'. The 'Groups' table has columns: Name, Location, Systems, Health, Connectivity, Services, Updates, and Restricted. The 'Systems' table has columns: Name, Type, ID, Health, Connectivity, Services, Updates, and Restricted. Purple callout boxes highlight specific features: 'Health status' points to the 'Health' column in the Groups table; 'Service status' points to the 'Services' column in the Groups table; 'Firmware status' points to the 'Updates' column in the Systems table; 'System organization' points to the 'Name' column in the Systems table; and another 'Health status' callout points to the 'Health' column in the Systems table.

Name	Location	Systems	Health	Connectivity	Services	Updates	Restricted
Darmstadt	Darmstadt, Deutschland	5	✓	✗ 3	✗ 3	✓	🔒
Hamburg Store	Hamburg, Deutschland	1	✓	✗ 1	✓	✓	...
Innenstadt	Marienplatz, München, Deutschland	3	✓	✗ 3	✓	—	...
Pittsburgh - McCune	Gibsonia, PA, USA	0	✓	✓	—	—	...

Name	Type	ID	Health	Connectivity	Services	Updates	Restricted
Autodome test room	AUTODOME IP starlight 5000i	00-07-5F-A2-BC-64	✓	✗	✗ 1	—	...
DIVAR IP 5000	DIVAR IP 5000	00-07-5F-92-58-52	✓	✗	✓	—	...
DIVAR IP 5000 2	DIVAR IP 5000	00-07-5F-92-49-F8	✗ 1	✗	✓	—	...
Flexidome Pano 5100i	FLEXIDOME panoramic 5100i	00-07-5F-C6-23-0E	✓	✓	✗ 1	✓	...
Full Image Circle name	FLEXIDOME IP panoramic 7000 MP	00-07-5F-A2-83-E1	✓	✗	✓	—	...
Over R&D FD7000 Cam 5	FLEXIDOME IP panoramic 7000 MP	00-07-5F-B0-89-45	✓	✓	✓	⬇	...
Panoramic 7000	FLEXIDOME IP panoramic 7000 MP	00-07-5F-A2-80-17	✓	✗	✗ 2	✓	...

Remote Device Management

Batch firmware update

► In **List View**  the firmware can be updated for more than one camera.

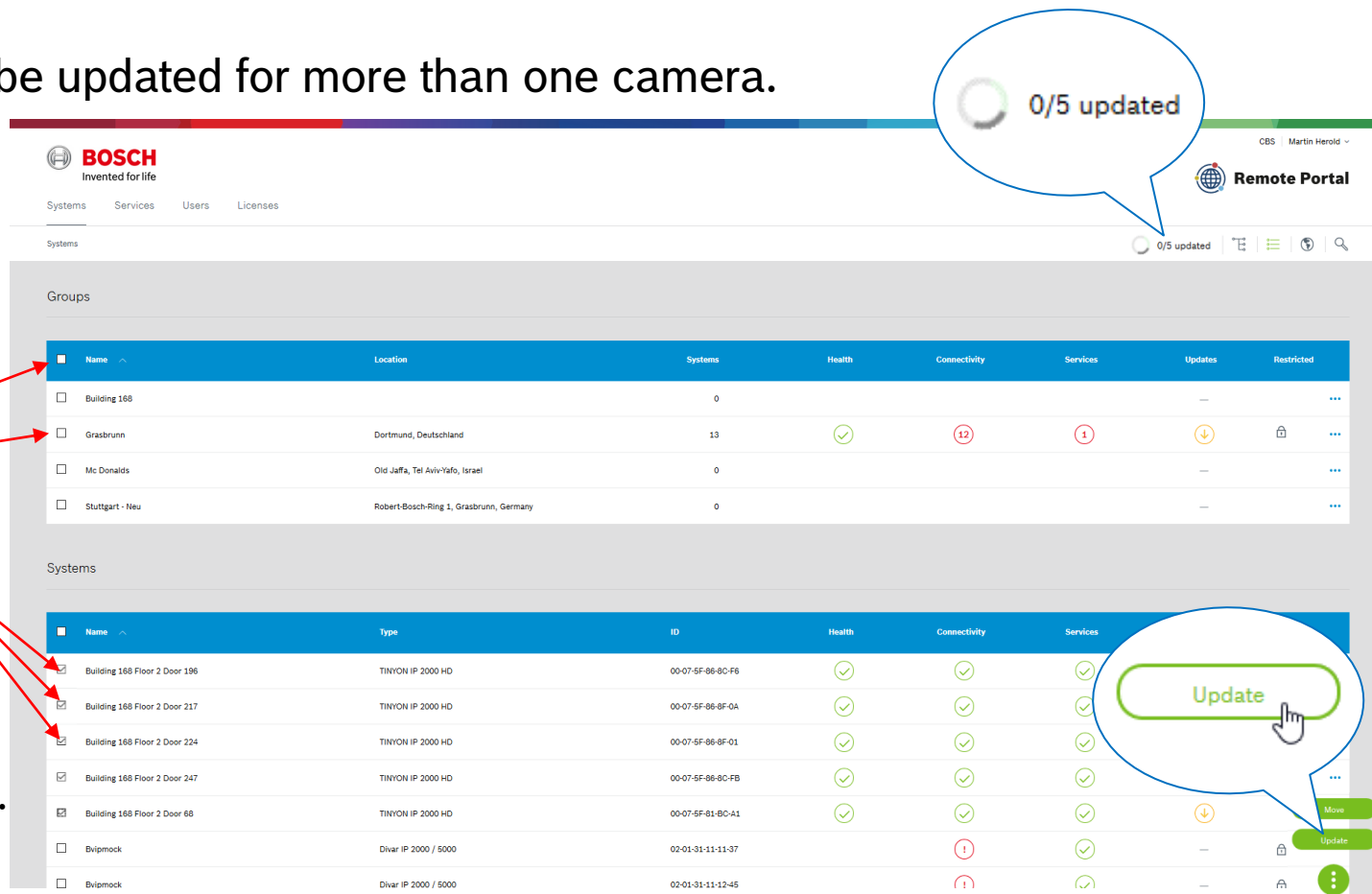
► An update icon shows available firmware 

1. Select firmware update:

- for all groups of the company
- for a single group
- for single or multiple devices

2. Then click the Update button,

- the firmware gets updated,
- the indicator shows the progress.



The screenshot displays the Bosch Remote Portal interface. At the top, a progress bar shows '0/5 updated'. The main content area is divided into 'Groups' and 'Systems' sections. The 'Groups' section contains a table with columns: Name, Location, Systems, Health, Connectivity, Services, Updates, and Restricted. The 'Systems' section contains a table with columns: Name, Type, ID, Health, Connectivity, Services, and Updates. A callout bubble highlights the 'Update' button in the 'Systems' table. Another callout bubble highlights the '0/5 updated' progress indicator.

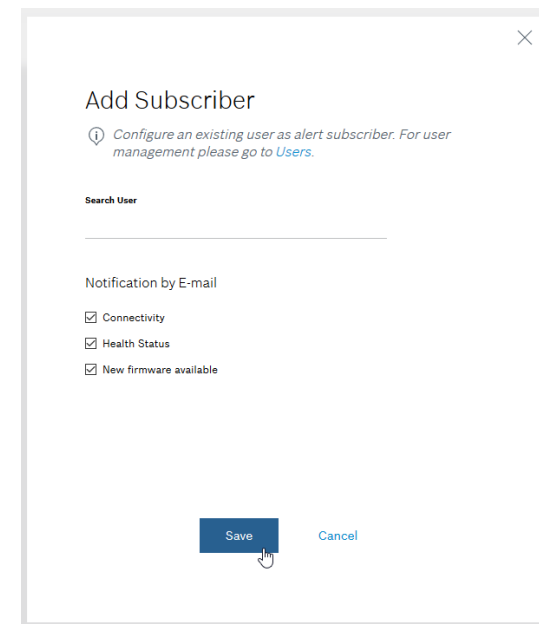
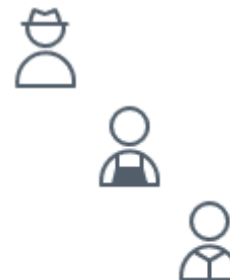
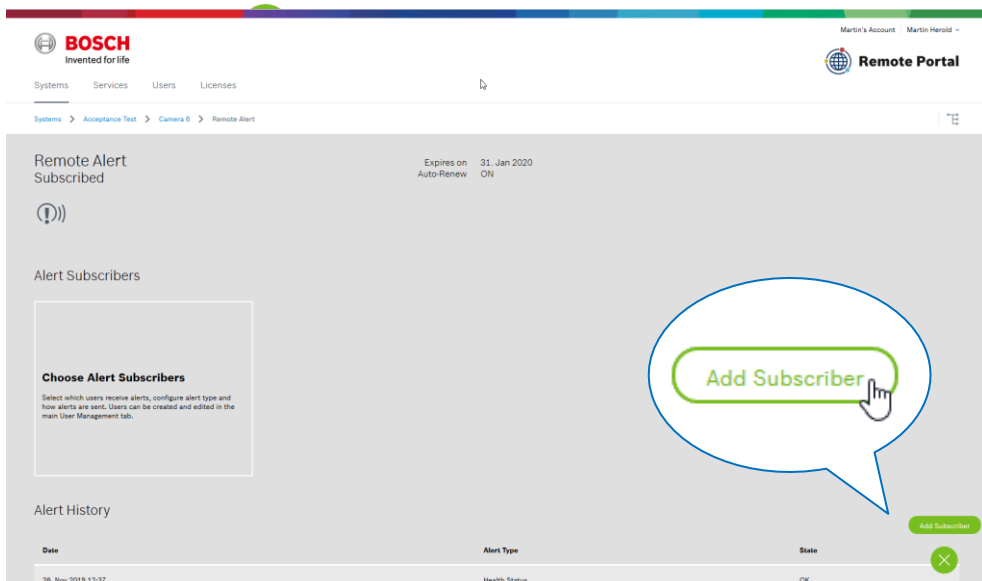
Name	Location	Systems	Health	Connectivity	Services	Updates	Restricted
☐ Building 168		0				—	...
☐ Grasbrunn	Dortmund, Deutschland	13	✓	12	1	↓	...
☐ Mc Donalds	Old Jaffa, Tel Aviv-Yafo, Israel	0				—	...
☐ Stuttgart - Neu	Robert-Bosch-Ring 1, Grasbrunn, Germany	0				—	...

Name	Type	ID	Health	Connectivity	Services	Updates	Restricted
☒ Building 168 Floor 2 Door 196	TINYON IP 2000 HD	00-07-5F-86-8C-F6	✓	✓	✓		...
☒ Building 168 Floor 2 Door 217	TINYON IP 2000 HD	00-07-5F-86-8F-0A	✓	✓	✓		...
☒ Building 168 Floor 2 Door 224	TINYON IP 2000 HD	00-07-5F-86-8F-01	✓	✓	✓		...
☒ Building 168 Floor 2 Door 247	TINYON IP 2000 HD	00-07-5F-86-8C-FB	✓	✓	✓		...
☒ Building 168 Floor 2 Door 66	TINYON IP 2000 HD	00-07-5F-81-8C-A1	✓	✓	✓	↓	...
☐ Bvlpmock	Divar IP 2000 / 5000	02-01-31-11-11-37		1	✓	—	...
☐ Bvlpmock	Divar IP 2000 / 5000	02-01-31-11-12-45		1	✓	—	...

Remote Device Management

Remote Alert service

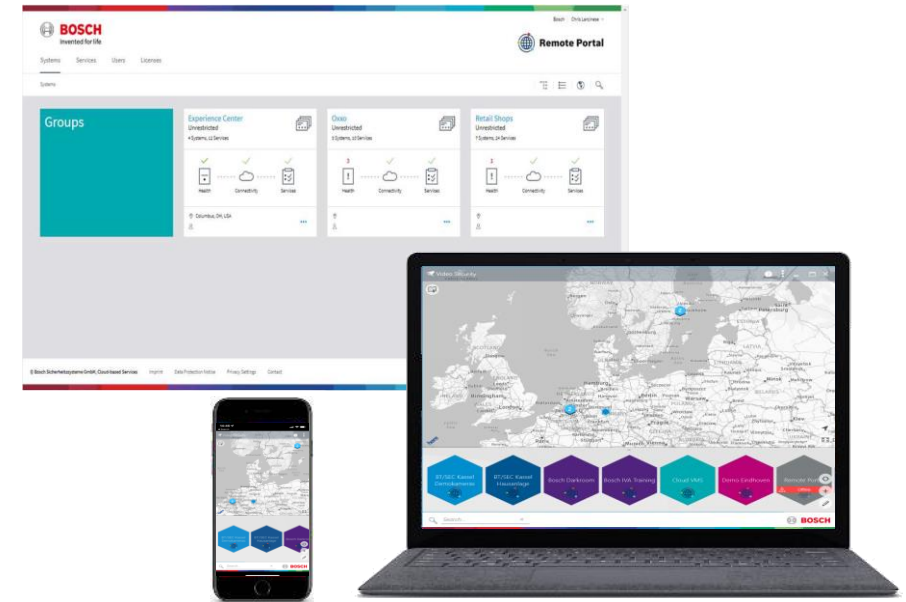
- ▶ Remote Alert service is automatically activated when adding a camera to Remote Portal
- ▶ Add subscribers to Remote Alert service to get e-mail notifications



Remote Device Management

Organizing your devices

- ▶ Devices can be assigned to groups
 - ▶ Assign admin rights
 - ▶ Create & name groups
 - ▶ Assign cameras and other devices
 - ▶ Assign technicians
- ▶ Nesting of groups, or sub-groups can be created to bring more order to the installed base
 - ▶ Customer → Site N → Building A
- ▶ Groups are listed as sites in Video Security Client
 - ▶ Users can connect per site for live, playback and video operations



VideoView+

Easy to use with SingleKey ID support



What is SingleKey ID?

“SingleKey ID is a digital identity platform with **single sign-on capabilities** that offers a secure and convenient way for users to access applications from Bosch.”



What is the customer benefit?

Convenience: Single sign-on (SSO) for our product and service portfolio as well as additional digital touchpoints (e.g. Knowledge Base)

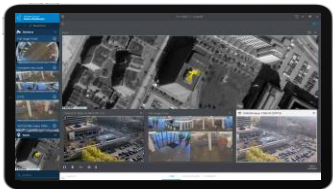
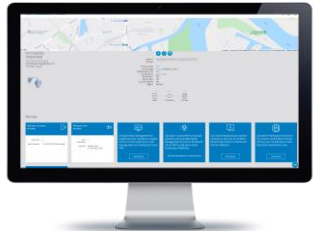
Control: Enabling our users to manage their personal data on their own and know what data is shared with whom.

OUTLOOK

VideoView+

Going forward

Outlook



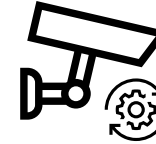
Video View (via Video Security Client/App)

- ▶ Live streaming
- ▶ Forensic search¹⁾
- ▶ Local recording replay (SD card)
- ▶ Replay of cloud recordings



Alarm Notification (via Video Security Client/App)

- ▶ Mobile phone alarms (push notification)
- ▶ Event clips and IVA overlay for each alarm for quick verification
- ▶ Basic rights mgmt. & rule engine for alarm prioritization and scheduling



Device Management (via Remote Portal)

- ▶ Inventory mgmt. & health monitoring
- ▶ Access camera web interface for basic configuration
- ▶ Remote configuration access with Configuration Manager
- ▶ Camera & analytics configuration incl. backups, templates
- ▶ Device Updates²⁾
- ▶ Update & inventory reports for documentation purposes
- ▶ And more



Cloud Storage (Optional)

- ▶ Cloud-Recording
 - ▶ Continuous
 - ▶ Event-based
- ▶ Configuration within Remote Portal

1) SD card edge / recording based; not yet cloud recording based | 2) Basic DM: Manual, single device, Advanced DM: Scheduled, multi devices

THANK YOU!