



**TELICOMM**  
FOR SMARTER CITIES

# Smart City

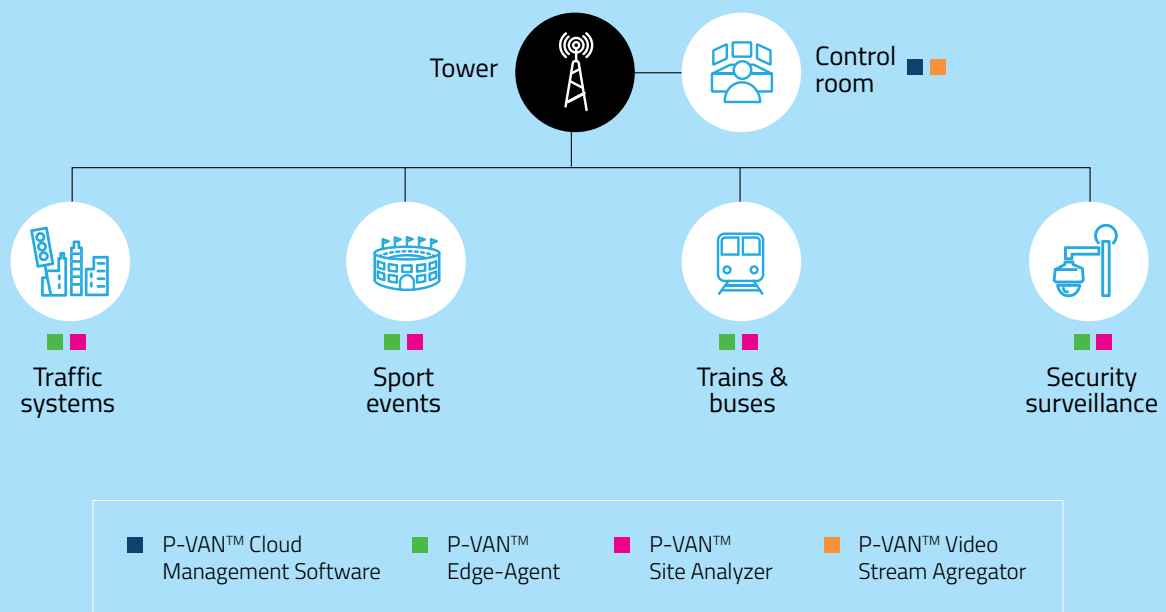
## Connecting cameras over cellular with fiber quality

Municipalities across the world aim to improve their infrastructure and efficiency, provide better services, and increase public safety. The rapidly growing number of safe city cameras requires cost-effective technology, fast deployment with minimum interference to everyday life, and maximum flexibility for future changes.

Telicomm P-VAN™ plug-and-play solution connects HD cameras to smart city systems through a cellular network with fiber quality. Our non-invasive, fully-flexible, state-of-the-art technology supports municipal IoT applications, including smart traffic, smart parking, public security, public transport connectivity, video-surveillance, and more.



# Telicomm solutions for smart city



## Last mile cable replacemnet

Save costs of cable installation and maintenance. Reach the same functionality without getting into expensive tunneling and cabling projects.

## Fiber-less areas

Connecting cameras on a cellular network is the only solution for a huge market that doesn't have alternatives such as small cities, rural areas, farms, etc.

## Ad-hoc deployment

Fast assembly and disassembly of visual coverage at sports events, developing news, concerts, and other one-time needs.

## Mobility & transportation

Reliable live video stream from buses, trains, cabs, and ridesharing vehicles.



# Why buy Telicomm P-VAN™

## Reduce site deployment costs

### **Save on cost and time of cumbersome cable installation projects**

Telicomm cable-free technology significantly reduces the overall cost of the installation project and enables the deployment of many more cameras under the same budget.

## Simple & fast installation

### **No hassle installation, without disrupting citizens and businesses**

Telicomm plug-and-play solution connects the cameras to the network in a single day without below or above ground cabling.

## Scalability & flexibility

### **The dynamic needs of today cities cannot be supported by fixed cameras**

Public safety solutions often require redeployment. Telicomm technology gives you complete flexibility.

## Low maintenance

### **Tunneling and cabling requires costly maintenance and upgrades**

Telicomm technology only needs the remote software updates to keep your systems up-to-date.

## Reliable & robust

### **No compromise on fast and real-time reliable video feed**

City response teams need to be able to get live video transmissions from the field at all times. Telicomm technology guaranties continuous video transmission under any challenging scenarios.

## High quality

### **No compromise on video feed quality**

For fast response and modern city management, the live video should be in the highest quality. Telicomm technology with its 4K resolution capabilities supports any face recognition algorithm.

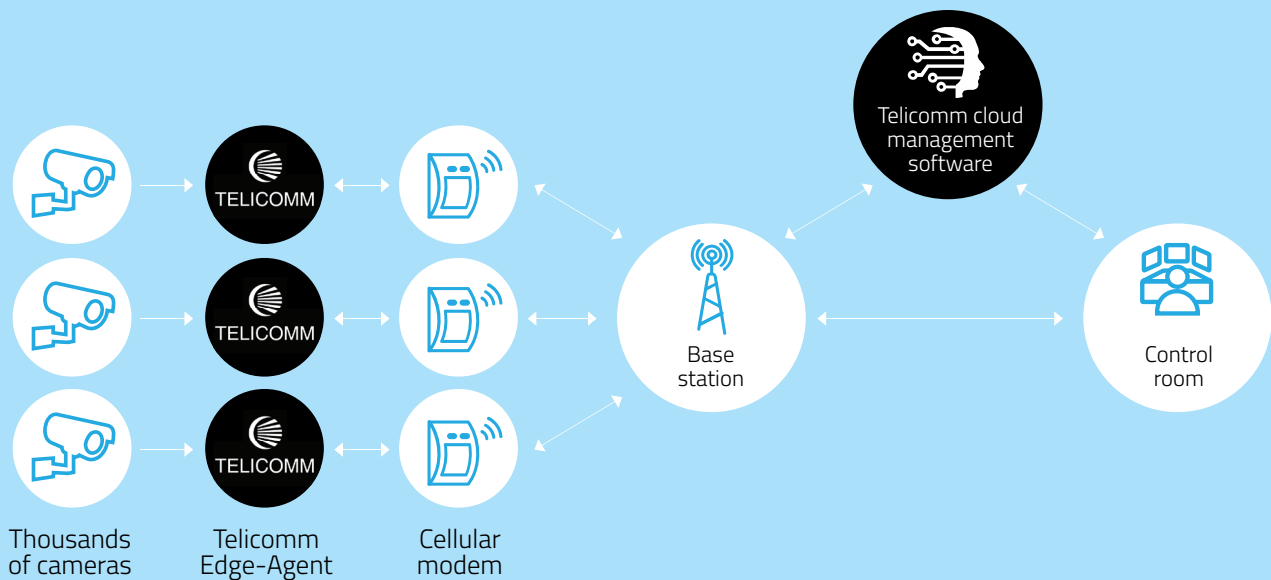
# Telicomm

## key technology features

Telicomm's unique P-VAN™ (Predictive Video Aware Network – patent pending) technology utilizes machine learning combined with signal processing algorithms to allow video transmission from all connected cameras over the cellular network in an optimal and robust way. This is done by predicting – in real-time and ahead of time – the behavior and needs of all video streams captured by the cameras, together with the condition of the cellular network, and using unique signal processing algorithms to fit all video streams into the currently available network resources.

**Edge-Agent:** Connected between the camera and the cellular modem. Perform sensing, processing and control in both video and wireless domains.

**Cloud management software:** Performs the whole system management by utilizing information from all Edge-Agents to gear the P-VAN™ algorithm.



## Technical data

### Telicomm P-VAN™

<b>Video standard</b>	Up to 4K resolution 30fps
<b>Video quality</b>	Fiber equivalent
<b>Cellular connectivity</b>	LTE (3G and higher)
<b>Supported cameras</b>	*Up to 100 cameras/km <sup>2</sup>

\*Assuming typical 4G cellular coverage