

CASE STUDY



# Building Smart City **Video Infrastructure** in Japan





# 1. Overview

CTS is a Japanese company specializing in camera rental solutions for construction and advanced traffic monitoring for municipalities and transport operators. They empower Smart Cities solutions by transforming real-time video and complex analytics into clear, actionable insights through intuitive data visualization.



**Six years ago, CTS partnered with CamStreamer to develop a secure and scalable video streaming platform.**

Built on Axis Communications technology, the platform is tailored specifically to the requirements of the Japanese Smart City market.



## 2. Challenge

As Smart City projects expanded, CTS required a platform that could support more than traditional video surveillance. The company needed a solution that would allow municipalities to remotely access live video, manage cameras centrally, and integrate traffic-related information directly into video feeds.

### **Security, scalability, and flexibility are essential.**

A key requirement was data sovereignty. **All video and metadata had to remain within Japan**, in compliance with local regulations and public-sector expectations. To meet this requirement, CamStreamer established two dedicated servers located in Japan. At the same time, the solution needed to be flexible enough to evolve alongside Smart City initiatives.

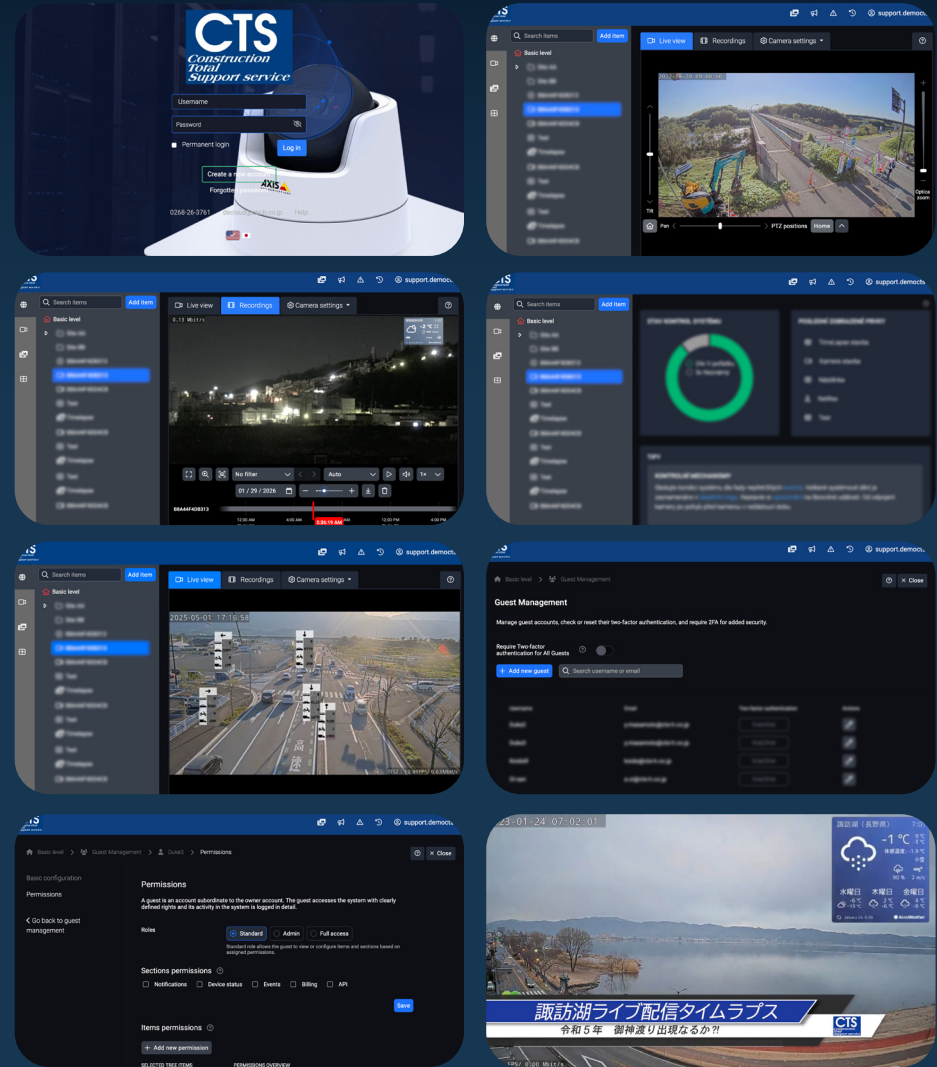
# 3. Solution

CTS deployed CamStreamer Cloud as the core of its video surveillance platform.

The cloud solution enables secure remote access to Axis cameras, including live view, access to recordings, and automated notifications about camera status. This allows CTS to **centrally manage camera deployments across multiple cities and infrastructure projects**, while keeping full control over data within Japan.

For video streaming itself, CTS uses CamStreamer App, which runs directly on Axis cameras and delivers reliable live streams as part of the Smart City infrastructure. CTS was among the first customers to use the CamOverlay App during its early alpha phase.

To enhance communication and visualization, CTS also implemented CamOverlay App. This application embeds graphic overlays and weather information directly into live video streams.





## Smart City Analytics and Innovation

As Smart City requirements grew, CTS extended the platform further by using CamStreamer’s scripting capabilities. Using **CamScripter App**, CTS developed its own analytics visualizations, enabling the **display of Axis Object Analytics results** directly within the video stream.

This approach allows cities to **better understand traffic patterns, vehicle movement, and congestion** through a single visual interface that combines video, analytics, and graphical elements.

CamStreamer provides:

- ✓ Backend infrastructure
- ✓ Platform administration
- ✓ 2nd level technical support

CTS provides feedback to help improve the features of CamStreamer Cloud.

## Main technologies



- ✓ **CamStreamer Cloud**  
Remote Access  
Recording
- ✓ **CamStreamer apps**  
CamStreamer App  
CamOverlay App  
CamScripter App



- ✓ **AXIS Object Analytics**
- ✓ **Most used Axis cameras**  
AXIS P5655-E  
AXIS M3116-LVE  
AXIS M5526-E  
AXIS P-1465-LE  
AXIS Q6135-LE

# 4. Upgrading to Own Branded Cloud

Recently, CTS migrated to **Survilla**, CamStreamer's white-label camera cloud.

Thanks to own branded cloud platform, CTS now benefits from:

- ✓ Visual and functional customization
- ✓ Custom pricing and service models
- ✓ Advanced troubleshooting tools
- ✓ Batch firmware updates for selected Axis cameras

**This step strengthens CTS's strategy and long-term growth.**



## 5. Results in Partnership Built on Trust



Growth from  
0 to 1,500+ active  
cameras



Reliable  
deployments  
across Japan



Full control of data  
within national  
boundaries



Scalable platform  
ready for future  
expansion

” Together with CamStreamer Cloud, we made it possible to securely access cameras remotely — something that was previously not achievable under Japan’s strict data security requirements..

**Kiyotaka Hisashi 久清隆, CTS**

” Together with CamStreamer, we built a video platform tailored to Japan’s strict data security requirements, while maintaining the flexibility to innovate.

**Yasuo Masamoto 政本康男, CTS**



The collaboration of CTS, CamStreamer, and Axis Communications, goes beyond technology.

It is built on a long-term partnership, open communication, and a shared vision of the future of Smart Cities.



DOES THIS CASE MATCH YOUR CLIENT'S NEED?

**Let's discuss it together.**

**Contact us**