

CASE STUDY

LONDON TOWER CRANES

Enhances Crane Safety and Oversight



1. Overview

LONDON TOWER CRANES is a UK-based provider of tower crane hire and lifting solutions for construction projects across London and the surrounding areas.

LONDON TOWER CRANES

The company supplies cranes for complex urban construction environments, where safety, precision, and operational efficiency are critical.

Since 2024, LONDON TOWER CRANES has partnered with CamStreamer to implement a cloud-based video monitoring system across its fleet. Today, more than 100 cameras are deployed on cranes and connected through CamStreamer Cloud.



2. Challenge

Tower crane operations require maximum precision and reliability. LONDON TOWER CRANES wanted to:

- ✓ Improve operator visibility of the load
- ✓ Increase safety during lifting operations
- ✓ Enable management oversight when needed
- ✓ Record operations for incident investigation and compliance
- ✓ Avoid installing additional hardware on construction sites

On each crane, a camera is mounted on the jib (crane arm), to face the suspended load. This camera provides real-time video to the crane operator inside the cabin. Traditionally, operators relied often only on cooperating personnel for navigation and load-positioning guidance.

Construction sites are dynamic environments. Minimizing hardware, reducing complexity, and maintaining secure remote access were key requirements.

3. Solution

LONDON TOWER CRANES implemented [CamStreamer Cloud](#) to manage live view and recordings centrally.

Each crane-mounted camera streams video to the cloud, allowing:

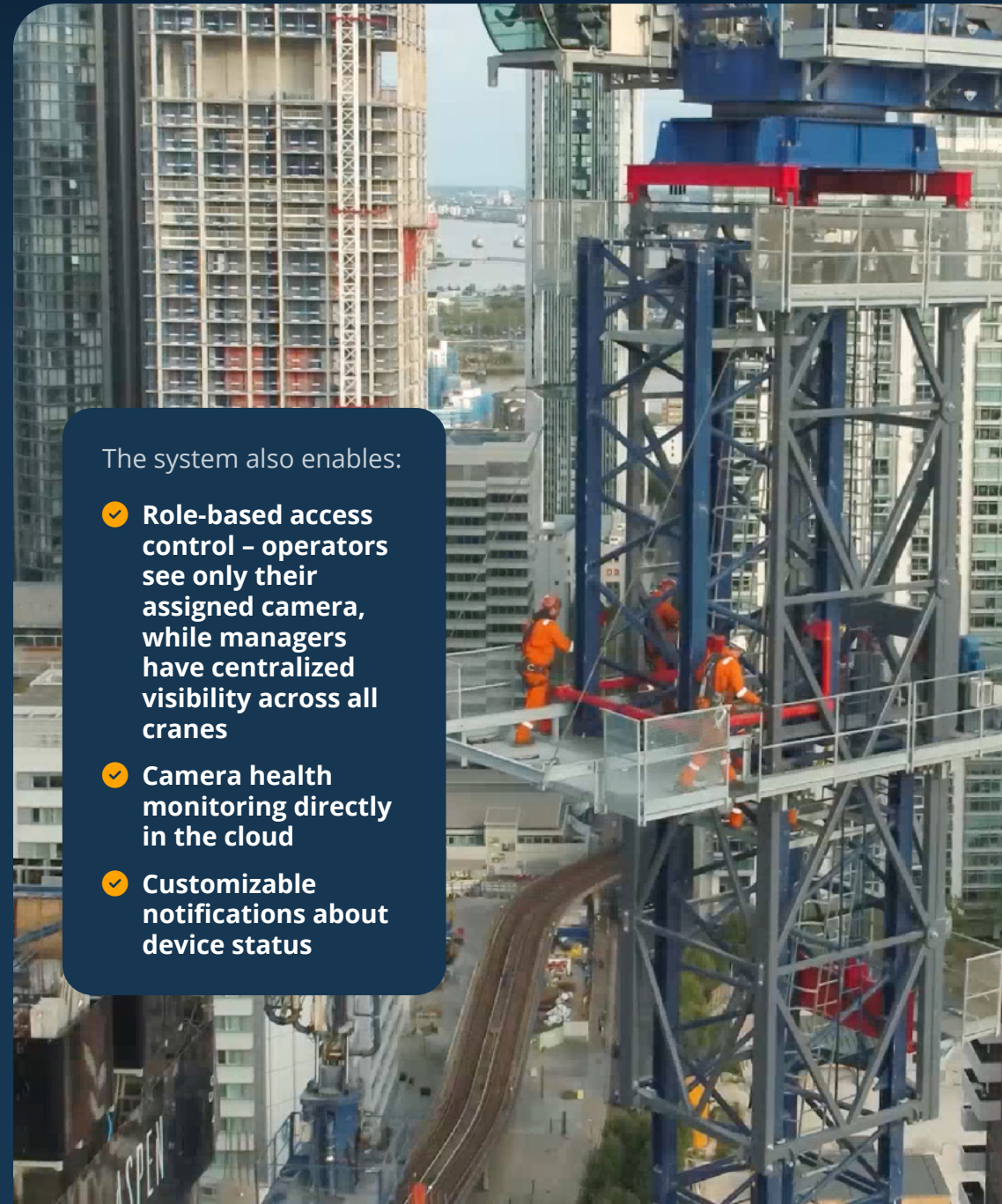
- ✔ **Real-time viewing on a tablet inside the operator's cabin**
- ✔ **Simultaneous live access for site managers or supervisors**
- ✔ **Secure storage of recordings for review and audit or compliance purposes**

Because the solution is cloud-based, there is no need for additional on-site recording hardware. **This reduces installation complexity and eliminates extra devices on construction sites.**

The cameras used are durable outdoor models from [Axis Communications](#), designed to withstand demanding construction site conditions.

The system also enables:

- ✔ **Role-based access control – operators see only their assigned camera, while managers have centralized visibility across all cranes**
- ✔ **Camera health monitoring directly in the cloud**
- ✔ **Customizable notifications about device status**



4. Operational Impact

The implementation delivers **measurable operational benefits** for LONDON TOWER CRANES:



Improved Safety

Operators can clearly monitor suspended loads in real time, reducing reliance on external signals and minimizing risk during complex lifts.



Time Savings

Better visibility accelerates load positioning and handling, improving overall efficiency on site.



Incident Record

In the event of an accident, recorded footage provides objective evidence of events.



Audit Support

Recorded video enables LONDON TOWER CRANES to demonstrate during inspections that procedures were followed correctly or during investigations..

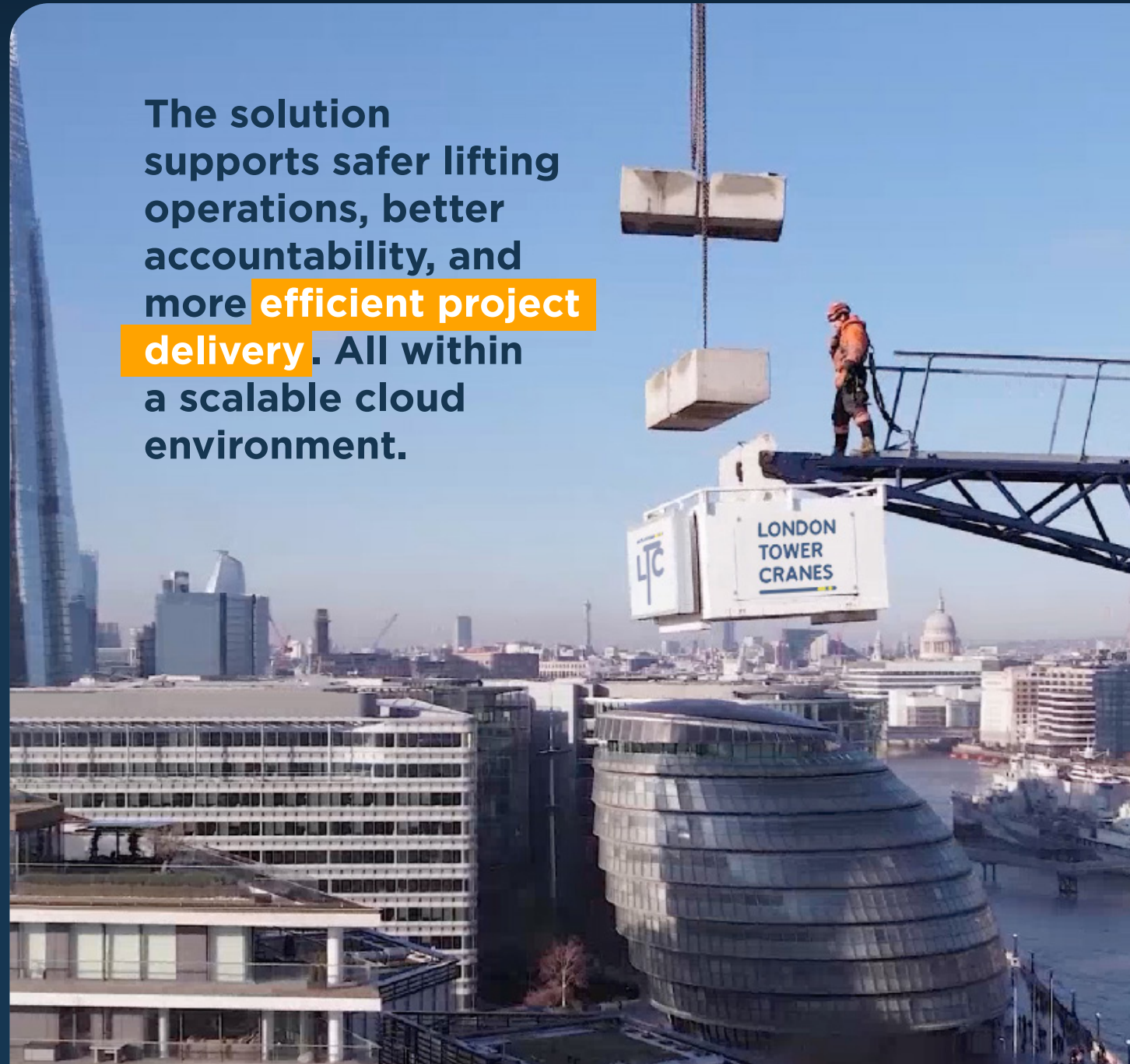
5. Result

With more than 100 connected cameras, LONDON TOWER CRANES now benefits from:

- ✓ Centralized cloud-based monitoring
- ✓ Reduced hardware footprint on job sites
- ✓ Enhanced operational safety
- ✓ Scalable deployment across projects
- ✓ Transparent oversight for both operators and management

By combining robust outdoor cameras from Axis Communications with cloud-based video management through CamStreamer, LONDON TOWER CRANES has modernized crane safety without increasing on-site complexity.

The solution supports safer lifting operations, better accountability, and more **efficient project delivery**. All within a scalable cloud environment.





DOES THIS CASE MATCH YOUR CLIENT'S NEED?

Let's discuss it together.

Contact us