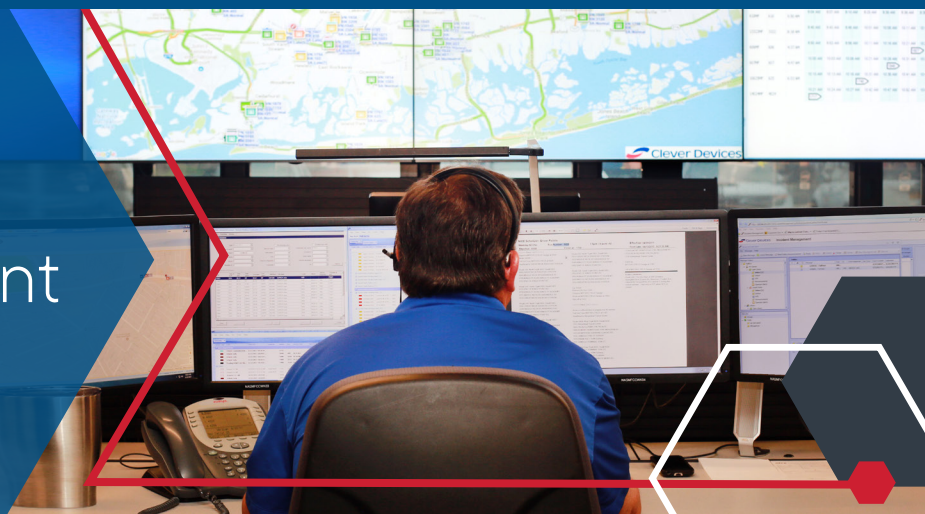


# CleverCAD®

## ITS Data Management Solution



Clever Devices designs and develops breakthrough solutions for transit systems that are proven to increase efficiency and reduce operation costs while improving the passenger experience.

Without visibility and oversight into real-time operations, it's impossible to evaluate and monitor how your fleet is performing. **CleverCAD®** multi-modal fleet management solution is your eyes and ears on the street, giving dispatchers and supervisors critical fleet information, comprehensive communications, and complete situational awareness for efficient management of resources. In addition, integrated emergency alarm and covert audio monitoring enable you to make informed decisions and quickly respond to safety or security concerns.

### React in Real-Time

Schedule interruptions will happen, but CleverCAD minimizes both the work required to react and the impact those interruptions have on your passengers. Disruption management enables you to make synchronized adjustments for detours, bus bridges, cancellations, and delays and automatically inform your dispatchers and update your passenger predictions, onboard signage, and audio announcements.

### Improved Vehicle Management

Adjustments made in Disruption Management may require an additional vehicle or vehicle replacement. CleverCAD allows adding an available vehicle and operator on the fly in the Vehicle Operator Assignment Module (VOAM). VOAM considers all union rules and enables you to staff the change in moments with its drag-and-drop capabilities.

### Improved Communications

CleverCAD provides radio control that is synchronized with your operations. As a result, your dispatchers can connect private or group calls across routes, modes, and service types to reduce overall radio traffic while improving direct communications. In addition, CleverCAD supports scheduled and geographic text messaging to inform your operators of service adjustments and other operational issues. CleverCAD can also seamlessly integrate with our cutting-edge voice

over IP solution, Celrado. Celrado can be used as a replacement for a legacy LMR system, as a standalone solution, or as a complement to an existing LMR infrastructure.

### Customized Incident Management

CleverCAD provides a web-based incident platform that tightly integrates with both the dispatch and mobile platforms to auto-populate and synchronize historical incidents with real-time data. After an event occurs during service, such as bus crowding or a late pullout, accurate recording is necessary for daily/weekly/monthly reports. CleverCAD makes this as easy as possible by automatically recording what has happened in an incident form, saving time, preserving the chain of custody, and providing status transparency by logging when changes are made.

### Increased Dispatcher Efficiencies

Without a CAD system, dispatchers must spend time asking basic questions at the start of every communication with an operator. Because of the visibility CleverCAD provides, dispatchers immediately know the vehicle, the operator, the location, the planned service, and what is taking place. Because of this, CleverCAD dramatically increases the number of in-service vehicles each dispatcher can manage, reducing costs while improving service reliability.

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## Mobile Route Supervision

The CleverCAD mobile app - available on Android or iOS - provides road supervisors with the information they need to manage their fleet efficiently. Easily downloaded onto iPads and Android tablets, CleverCAD mobile lets supervisors connect calls across routes and vehicle groups to communicate over their handheld radio or locally over a cellular device. And, with CleverCAD mobile, supervisors always have a complete picture of their entire operation wherever they are on the road.



### More Efficient Pull Outs

CleverCAD provides log-on solutions designed to enable your operators to log on faster and more accurately. The system integrates with operator and vehicle assignment systems, or Clever Devices' SmartYard and assignment modules to provide badge swipe and other log-on workflows, ensuring the correct operator drives the right vehicle on the correct scheduled assignment.

### Ensuring Passenger Safety

Like many systems, CleverCAD can provide emergency alarm handling and covert audio monitoring on the vehicle in an emergency. However, CleverCAD is differentiated by its speed and audio quality. To react to an emergency, new tools like camera integration provide better visibility and control to dispatchers, mobile supervisors, and law enforcement in a crisis.

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