

CONVERGE, CONDUCT, COLLABORATE

Honeywell Command and Control Platform



One Platform to Drive Every Action

Honeywell Command and Control Platform (CCP) gives you the insight, agility, and automation to coordinate every aspect of complex city management, even in an emergency.

Honeywell CCP builds the framework of a digital platform that integrates the data collected from various connected city management systems like, video surveillance, transport management, traffic management, parking management, waste management, environment monitoring, lighting, water, and energy management. It offers full multitenancy support and aggregates, stores, and analyses the collected data securely to efficiently support city administrative functions. CCP's architecture is designed to protect data, reduce complexity, and help the IT team be more productive.

With smart features like Geographic Information System (GIS)-based map visualisation, the solution activates real-time visibility of critical incidents and initiates remedial actions through mobile apps. An Application Programming Interface (API) management engine integrates the city-level digital platform with other external and internal applications and provides a RESTful API service – making data available to CCP application platform, smart city applications, mobile apps for citizens and civic workforce, and external city applications.

Honeywell CCP serves as the backbone of the city operations center where the administrators can monitor and operate the public services intelligently and efficiently.



Reduce risk.



Maintain continuity.



Improve efficiency.

Power of Integration Prompts Rapid Response

Honeywell CCP provides situational awareness and analytics to help city operators and administrators perform their day-to-day operations efficiently and adopt best practices. It offers various functionalities including complex event processing, rule based incident management, computer-aided dispatch, GIS, a mobile application system for first responders, incident reporting system, location analytics, and notification system. The platform interfaces with industry-standard video management systems and video analytics and provides real-time insight into city operations team for responding to issues and identifying potential problems. CCP integrates with unified communication systems to facilitate the timely dispatch of the field service team on the ground – the city operations centre also receives real-time updates on the status of the issues being addressed.

Automation, Analytics, and Real-Time Insight Rolled into One

VISUALISATION AND SITUATIONAL AWARENESS

As a web-based application, CCP offers the flexibility of a single or multi-screen operation. Operators at the city command center manage alarms, access map-based visualization (GIS), and have real-time matrix view of all the surveillance cameras.



ALARM MANAGEMENT

Alarm management system provides details of the source, type, logging time, and priority of each alarm received from various integrated smart city sub-systems. Operators receive these notifications as audio visual popups. The alarm management screen is augmented with videos and advanced maps for situational awareness. The alerts are grouped into categories for ease of use and visualisation based on their sources – surveillance, access control system, and city asset sensors like parking, lighting, and vehicle.



GIS VISUALISATION

Asset Visualisation: GIS visualisation enables operators to view all the city assets (camera, parking, lighting) on the GIS map as a layer. A unique identification icon is assigned to each asset category. Colour coding indicates the health status (functional/non-functional) of the assets.

Resource Mapping: All field resources (vehicles/field workforce) are location-enabled and mapped to the GIS with unique identification icons or symbols.

Layer ON/OFF: Each city asset is created as a layer on the map and can be turned ON/OFF by the operator depending upon the alarm type and incident use case.

Search Assets: GIS visualisation enables operators to search assets based on the type and jurisdiction.

Visualise Parking and Building Floor Plan: Asset-based interactive building floor plan and parking lot layouts, and visuals of vehicle interiors are available to operators for enhanced situational awareness.



VIDEO VISUALISATION

Operators monitor the feed from cameras linked with an alarm management system in matrix view to ensure better decision-making. Selection of cameras are based on either maps or jurisdiction/camera selection from the list.



INCIDENT MANAGEMENT

Incident panel displays information like source, type, and priority of the alarm, incident ID and time, sensor/camera name, and incident response. The solution offers additional details for each incident like snapshots, recorded videos, and sensor history and configuration. Operators view the camera/sensor on GIS Map and access the live video based on incident selection – this ensures prioritization and verification. The platform also supports operators to search incidents using sensor name or incident type and attach documents and other supporting information while executing Standard Operating Procedures.



CCP Modules

COMMAND CENTER OPERATOR CONSOLE

Offers 360-degree situational awareness with GIS and video visualisation with multi monitor support. It integrates alarm and incident management to identify, analyze, and correct issues systematically. The module can be used to create incidents and route them to field the service team. It also acts as a grievance center for issues reported by citizens.

COMMAND CENTER ADMINISTRATOR CONSOLE

Configures standard operating procedures, alarm policies, city assets, and workforce details.

PRE-INTEGRATED ANALYTICS

Enables the city command center to listen to various social media platforms and understand the trends, issues, and opinions related to public service works. They provide actionable intelligence to help city operators respond to challenges effectively and efficiently. The platform also offers a quick summary of smart city applications and their KPIs to identify areas that need attention as well as key metrics of the command and control room operations.

MOBILE APP (FIELD WORKFORCE APP)

Enables intelligent dispatch decisions based on the location of the mobile responder. It offers complete visibility of the alarms/incidents and status updates of remedial actions.

Controlled Coordination to Sustain Operation



IMPROVE QUALITY OF LIFE FOR CITIZENS

Honeywell CCP integrates public service assets to provide a comprehensive and real-time view of the city's infrastructure – administrators, command center operators, and field workforce benefit from enhanced coordination and situational awareness for faster decision making, incident resolution, and engagement with citizens.



OPTIMISE DELIVERY OF CITY SERVICES

CCP promotes transparency in city governance, enables faster response to public grievances, and facilitates better collaboration among administrators, citizens, and other stakeholders. The platform's analytics offer insights to optimise delivery of city services.

For more information

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