

# Security and Workforce Solutions

Assurance and Security for a De-Perimeterised World

IP-based digital cameras and Analytics are revolutionising the security and surveillance market. They help in detection and prevention of theft, vandalism, terrorism and delivering data that aids business decisions. Video analytics software is proving to be a powerful tool for enterprise security. The use of mobile devices, social media and cloud-based storage are making organizations rethink strategies around privacy, data protection, end user protection and compliance.

Leveraging Internet of Things (IoT) and Analytics, CMS offers Intelligent Security and Workforce solutions that guarantee Physical Security, Information Security, Compliance, Privacy and Data Protection.



### Global Trends re-defining Security

**M**egapixel IP cameras in conjunction with Social Media, Analytics, Cloud and Mobility help pinpoint fraud, capturing violations and play a huge role in public safety, traffic management and incident management. Applications assisted by IP cameras are spawning new business models in industries like Health, Transportation, Retail, Government, Education and Communication, among others.

The advent of Video Analytics dramatically reduces manual fatigue and improves detection rates for faster resolution. Applications that talk to each other, sharing instances of undesirable behaviour and analytics are helping crime detection.

As workforce management functions gain importance, more attention is being paid to how a unified view of employee data can support effective decisions. An increasing number of enterprises are integrating video surveillance with access control, in line with the changing nature of workforce.

Executed more than **40** CRITICAL INFRASTRUCTURE SITE in the Oil & Gas Sector

National rollout of INTEGRATED CARD & SECURITY SOLUTIONS to top **TELECOM FIRMS**

The most preferred partner for

**SYSTEM INTEGRATION**

in the **EPC** segment

**HIGHLY SKILLED & WELL TRAINED**  
Project Management & Execution Team

Helpdesk to cater to customer complaints through exclusive **TOLL FREE NUMBER**

## Intelligence driven security with CMS

For over two decades, CMS has been offering turnkey security, surveillance and workforce solutions to its clients – empowering them to securely manage their human, physical and IT assets.

CMS's Workforce Solutions deliver true labour optimization through a suite of integrated components adding value to businesses, intelligent buildings and Smart Cities.

## Workforce Management with UNO

**U**NO is a web-based, comprehensive enterprise suite developed by CMS that helps organisations of all sizes manage their workforce access, time attendance, visitors, cafeteria, and other facilities available on campus.

When combined with our access control and time data collection devices, this suite turns into a powerful tool for total automation and real-time control of urban local body applications, building management systems as well as enterprise-wide ERP applications.



Access Control Solutions



Time and Expense Management



Contract Labour Management



Cafeteria Management



Vehicle Access Management



Visitor Management



Smart Mobile app for Workforce Attendance

**Access Control Solutions:** Automates attendance and secures your premises using the most advanced and robust, off-the-shelf Smart Card and Biometric Readers, Controllers, Turnstiles, etc. Our fingerprint reader solutions use advanced pattern- and minutiae-based biometric algorithms for fast and secure verification.

**Time and Expense Management:** Automates your workforce time, attendance and expense management processes. Generates MIS reports that help monitor employee movements and in computing wages/salary of employees.

**Contract Labour Management:** Helps organizations that use contract workers save costs, avoid proxies and ensure efficiency.

**Cafeteria Management:** Helps organizations manage canteen and cafeteria outlets using touch screen based systems, biometric scanners or smart card readers.

**Vehicle Access Management:** Helps enterprise-wide Vehicle Access Management including Boom Barriers/Automated Lane Barriers and integrated management of CCTV cameras for surveillance, traffic lights, vehicle detectors and sensors, ANPR, parking slot availability displays, RFID Cards and long range readers.

**Visitor Management:** Ensures integration of visitor gate pass management with access control software for photo pass design and printing, online appointment enrolment and pre-registration, online visitor verification, SMS generation/on screen pop-up facility for intimating visitor arrival to employee, and tracking of visitor's activity.

**Smart Mobile application for Workforce Attendance:** Uses state of the art voice biometrics technology for attendance marking. Besides online leave and out-pass application, this smart app also allows managers to view and approve applications in their workflow. It also displays a snapshot of all attendance information of a manager's reportees on a dashboard.

- Expertise across IT, IoT and Physical Security
- Total automation and real time control
- Enterprise-wide resilience and compliance
- Seamless integration with multiple devices and applications



## Security & Surveillance Solutions

**P**ublic Safety, Physical Security and Information Security solutions from CMS incorporate a wide array of technology driven sub systems.

Integration and interoperability of these sub-systems is fundamental in obtaining better intelligence. From CCTVs, analytics software, dashboards to crisis management centers, integrated technology solutions enable housing societies, factories, office buildings, law enforcement agencies, emergency services and city administrators deliver on security needs.

Our Information Security Solutions provide world-class cyber security, security intelligence services, data protection and risk/compliance solutions that enable clients to detect and defend against cyber threats to their critical infrastructures, and establish enterprise wide resilience and compliance.

## Physical Security Solutions

**24/7 Video Surveillance and Analytics Solution:** Improves total security with a range of analog, IP, wireless, explosion proof cameras in hazardous environments. Besides integrating products we provide visual monitoring and real time analytics with end to end consultancy and managed operations.

Our products incorporate intelligent video analytics features such as intrusion detection, objects left behind, illegal parking, violation detection, crowd prevention, alarm passing to nearest PTZ camera and unidentified object/object tracking.



24/7 Video Surveillance and Analytics Solution



Access Control and Biometric Security



BMS Solutions



Fire Safety and Protection



Automatic Number Plate Recognition



Incident Violation



City Surveillance

**Access Control and Biometric Security:** Ensures entry into a premise and other critical/protected areas using contact/contactless access - SmartCards, PinPad, magnetic swipe cards, Biometric Identification (Fingerprint/Iris/Facial).

Provides smart features like centralized opening/closing of doors and pedestrian barriers in case of an emergency, encrypted communication between all controllers, devices, etc.

**BMS Solutions:** Integrates access control and vehicle access systems with video surveillance, intrusion detection, PA/alarm system, people screening and baggage scan systems, attendance & time tracking systems to provide a comprehensive suite of our Intelligent Building Optimization Solution (iBOS).

**Fire Safety and Protection:** Provides a wide range of conventional, addressable and standalone fire alarm panels, and smoke and heat detectors. Ensures seamless integration with access control systems, HVAC, PA system, alarm annunciators, gas suppression system, and other smart building solutions.

**Automatic Number Plate Recognition (ANPR):** Ensures efficient vehicle access management for smart parking and traffic solutions for both registered users and visitors entering or leaving a premise.

**Incident Violation:** Ensures continuous supervision and remote monitoring of assets, buildings and open premises. Detects movement and direction of movements with Infrared barriers, IR+MW barriers or laser detectors, and directly triggers cameras for video recording and audio/visual alarms in case of external and internal threats.

**City Surveillance:** Wide range of networked solutions leveraging IP cameras for efficiently monitoring public areas in cities and effectively providing safe roads, managing security, prevention of crime, monitoring offenders during accidents and providing emergency response solutions through effective communications devices such as call boxes. This integrates well with our security intelligence dashboards to provide analytics driven holistic security.

- Turnkey solutions including operations and management
- Indigenous products and solution with a Make in India philosophy
- Cutting edge technology leveraging partnerships
- 24x7 multi location support
- Integrated security leveraging across IT, IoT and Physical Security

## Information Security Solutions

Get ahead of potential threats by adopting advanced security controls leveraging the power of analytics, portals and managed services to protect your enterprise. We can help you effectively prepare for, recognize, and respond to Cyber attacks, as well as address security compliance requirements using state of the art monitoring and intelligence dashboards backed by security analysts.



Identity Management



End Point Protection



Database Encryption



Intrusion Prevention



Security Intelligence



Crime Analytics

**Identity Management:** Provides integrated identity information to create, modify, and retire identities and control their access. Includes Identity Management, Access Management and Governance, single sign-on (SSO), Identity Tracking and Directory Administration.

**End Point Protection:** Provides real-time visibility and control through an integrated console for policy-based management capabilities. Includes asset discovery and inventory, patch management, operating system deployment, remote desktop control, endpoint protection, security configuration and vulnerability management.

**Database Encryption:** Provides database encryption for sensitive data for organizations to establish a strong line of defense that help secure sensitive assets against a range of threats. Secures sensitive assets in databases through granular access control, seamless implementation and detailed security intelligence without loss of performance.

**Intrusion Prevention:** Offers multi-layered protection for servers to keep your data and applications reliable, available and confidential. Using multiple, advanced detection techniques and endpoint integration, we provide “defence in depth” moving beyond pattern matching to offer advanced network Intrusion detection with extreme accuracy.

**Security Intelligence and Crime Analytics:** We infuse intelligence into the entire security process cutting across IT, Physical Security, IoT devices as well as strong focus on people and processes. Our Security Intelligence offerings provide full visibility, high priority incident detection, log analysis and real time correlation. This is backed by dashboards, alerts and meets risk/compliance standards as well as indepth security requirements of Police/intelligence agencies.



- Continuous supervision and remote monitoring of assets
- Intelligence driven security leveraging Analytics and Big Data expertise.
- Multi-layer protection to keep data secure and confidential
- Granular access control and encryption to secure

# Integrated Solutions for Secure Premises

How CMS leverages IoT, Big Data and Video Analytics to safeguard the country's frontline Defence Research Labs.

**C**MS was called upon to shield the perimeters of the Defence Electronics Research Laboratory (DLRL) using an integrated suite of solutions that ensured both physical and infrastructure security. From consultancy, procurement, installation to integration and implementation, CMS delivered on its promise of being a full services player.

Through an intricate design of intelligent devices and systems such as Power Fencing for Perimeters, IP based Controllers and CCTV Cameras, Boom Barriers and Access Control software, CMS developed a centralized solution to guard an area within a perimeter of over 6 kilometers.

A network of intelligent Biometric Readers interfaced with CCTV cameras to provide secure and restricted access. The Access Control suite of solutions further include Customised Time and Attendance, Vehicle Detection and Management, Visitor Management, Material Management and a Management Information System (MIS) for reporting of key metrics.

Smart sensors trigger the IP based CCTV Surveillance system to record Intrusion attempts, suspected movements, unusual circumstances, external and internal threats, violations, etc. Intelligent Video Analytics features such as Intrusion Detection, Crowd Prevention, Unidentified Object Detection, etc., offer complete security against threats undetected by the human eye.



## CMS - Ahead of the Technology Curve

As a pioneer of the IT movement in India since 1976, CMS Computers adds value to every industry through its products, services and solutions.

Even as the world is waking up to the benefits of big data, mobility and analytics, CMS has already innovated and implemented well over 200 Smart City elements leveraging big data and analytics for holistic city management. These have been in the areas of e-governance services, transportation and traffic solutions, energy management solutions, surveillance and workforce management, broadcasting solutions as well as software services aligning technology with client businesses across sectors.

**With over 4000 employees and a pan India presence across 100+ locations, CMS has leveraged the collective power of IT and the Internet of Things (IoT) to improve and simplify the lives of citizens, corporations and the government**



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