HLS

CONNECTING THE DOTS

mPrest Homeland Security

mPrest

Challenges in achieving broad situational awareness

The homeland security sector is characterized by complex and heterogeneous environments. Security systems typically comprise multiple vendors providing diverse solutions, such as security cameras, access control systems, as well as many other devices, systems and platforms. In addition, there are dispatch control systems, security authorities, Open Source Intelligence (OSINT) & Social Media Intelligence (SOCMINT) platforms and cyber security platforms.
As each security application is independently managed by a separate command-and-control system, HLS authorities become overly dependent on limited systems which lack interoperability, flexibility and scalability. Consequently, operational performance is restricted with the inability to obtain a unified, end-to-end situational awareness picture with an effective, real-time incident response process.

mPrest HLS: System of Systems taking homeland security to new heights

mPrest offers a game-changing, product-based command, control and analytics platform. Ideal for critical facilities and safe cities, the flexible platform acts as a system of systems which supports multiple vendors and applications. By empowering operators and decision makers with a unique ability to carry out all site-security and operational procedures in a fully automated fashion, security teams can more effectively focus on real-time crisis management. mPrest HLS supports both organizational and functional hierarchies for covering all critical facilities and homeland-related security aspects and needs.
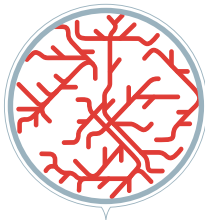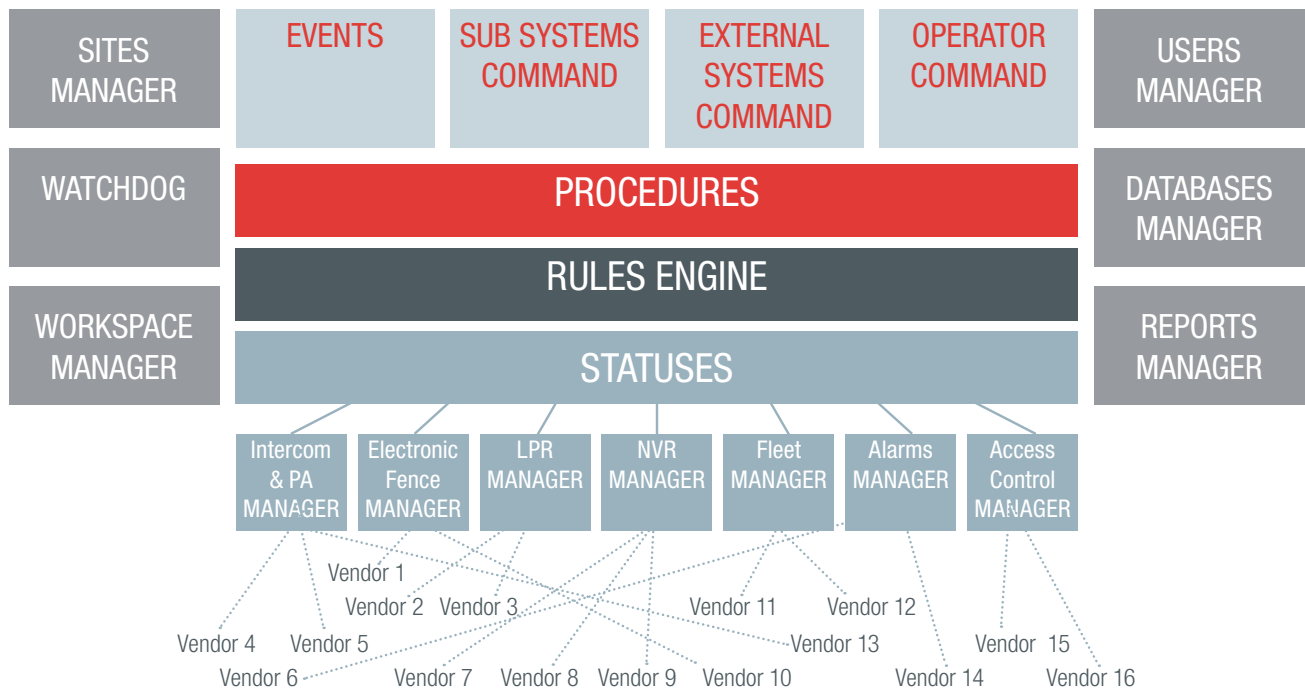

Unprecedented flexibility

Operators and integrators can easily scale up on their own, both on a sensor interface level, as well as by modifying or creating new Standard Operating Procedures (SOPs) via a simple "drag and drop" rules engine interface. This allows for rules to be clearly and easily defined in real time – with no developer intervention necessary.

Unmatched scalability and interoperability

mPrest HLS offers unparalleled integration and connectivity across multiple security platforms and applications from different vendors under a single situational awareness and incident response platform. These include:

- Alarms
- CCTVs and NVPs
- Access control
- License Plate Recognition (LPR)
- Cyber-SOCs
- Drones and anti-drone systems
- IT platforms (ERP and dispatch control systems)
- Radars
- External agencies
- Fire/smoke/safety
- Public Announcement (PA)
- Etc.

mPrest HLS platform:

SITES MANAGER	EVENTS	SUB SYSTEMS COMMAND	EXTERNAL SYSTEMS COMMAND	OPERATOR COMMAND	USERS MANAGER

WATCHDOG	**PROCEDURES**	DATABASES MANAGER

WORKSPACE MANAGER	**RULES ENGINE**	REPORTS MANAGER

STATUSES

Intercom & PA MANAGER	Electronic Fence MANAGER	LPR MANAGER	NVR MANAGER	Fleet MANAGER	Alarms MANAGER	Access Control MANAGER

Vendor 1
Vendor 2 Vendor 3 Vendor 11 Vendor 12
Vendor 4 Vendor 5 Vendor 13
Vendor 6 Vendor 7 Vendor 8 Vendor 9 Vendor 10 Vendor 14 Vendor 15 Vendor 16

The mPrest HLS platform is equipped with graphical wizard tools for easy configuration of standard operating procedures (SOP), interface rules and automated procedures. Its software architecture is based on a building block methodology that compartmentalizes software layers, enabling the updating, enhancing and adding of features easily and rapidly. The platform's intuitive rules engine incorporates multiple sensors, enabling system administrators to protect sites with fewer false alarms. mPrest HLS includes a range of business logic modules from event management, through site manager, to user and permission manager. It also features an interface layer that includes a set of adapters and managers for each sensor and subsystem type, a set of managers per subsystem type, and adapters for each vendor.
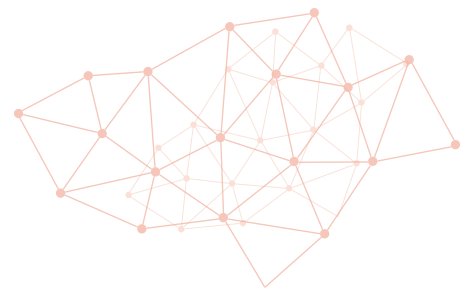
Critical facilities

Utilities, borders, effective coast guard, and continuously operating airports and seaports are essential for any nation's homeland security and economic prosperity. Yet such critical facilities face a wide range of complex threats, which they find increasingly difficult to identify and resolve before the threat actually occurs. mPrest HLS is a unique vendor agnostic, comprehensive platform for connecting all of the security dots. Serving as a system of systems for critical facilities, the product-based platform empowers operators with unprecedented interconnectivity across all aspects and operations in their daily routines. Featuring seamless integration with the Security Operations Center (SOC), the unified platform uniquely manages all security issues on an operational level. The product-based platform ensures that all forces engaged in crisis management will better channel their resources and attention on successful event resolution – for more peace of mind security nationwide.

Safe Cities

Creating a safe city is all about connecting the dots in today's vibrant, fast-changing metropolitan areas. Too often, municipalities lack effective systems and governance to efficiently manage all hundreds of municipal security systems and applications. By offering full interoperability across various municipality units, divisions, including first responders and crisis support teams, mPrest HLS empowers municipalities with first of its kind, centralized command-and-control covering all scopes of their security needs and daily routines.

mPrest HLS delivers a precise real-time situational awareness picture, together with automated incident response management

About mPrest

mPrest is a leading provider of mission-critical monitoring, control and analytical software for the Industrial Internet of Things (IoT), HLS and defense sectors. The company's global markets include power and water utilities, oil and gas, safe & smart cities, mass fleet management, critical facility protection, telecommunications operators and defense.

Leveraging its vast experience in the most demanding of mission-critical environments, mPrest excels in "connecting the dots" across diverse complex systems of any scale. Featuring a powerful and intuitive rules engine, the product-based platform empowers customers and partners with fully integrated Operational Technology (OT) and Information Technology (IT). Acting as a "system of systems", the vendor-agnostic, automated platform delivers unprecedented situational awareness with real-time integrated incident response.

Committed to providing highly innovative solutions, mPrest nurtures strategic partnerships with systems integrators (SIs) and provides turnkey solutions to customers worldwide — enabling them to optimize their operations by improving system performance, expediting project deployment, and reducing total cost of ownership and risk. Flagship projects include the world-renowned "Iron Dome" Missile Defense System and the first of its kind Asset Health Management System for predicting electrical transformer health.

www.mprest.com | ✉ info@mprest.com