HxGN® Connect

A new cloud-based collaboration workspace where organizations, cities, and regions can easily share and act on their data in a secure environment.

Cross-functional collaboration. Shared awareness. Coordinated action. These are significant hallmarks of resilient communities and organizations. But true collaboration can be messy. Technology barriers, such as integration to systems, IoT devices, and applications, as well as people barriers, like politics over data ownership and exchange standards, can doom data sharing projects before they start. And those that do begin take years to go live, often never reaching past the implementation phase.

Enter HxGN® Connect, a cloud-native, SaaS collaborative workspace that allows you to share data and coordinate action based on different types of data, such as assets, events and incidents, units, cameras, alarms, and more. It complements existing systems, providing a richer, unified view of information with built-in messaging and tasking to enable both daily, ad hoc engagement and ongoing, structured collaboration.

Bridging the gaps

As societies and economies become more reliant on complex webs of services and infrastructure, there is a pressing need to bridge the operational gaps between providers.

Global recessions, worldwide health emergencies, and growing impacts from natural disasters reinforce this need.

An enhanced level of collaboration and shared awareness solve problems not only for the affected organizations, but also for the communities they serve. Within most cities and organizations, individual departments work independently, even though their actions and decisions often impact other departments, organizations, and the public.

This lack of coordination creates problems within other areas of an operation, including missed opportunities to inform planning and improve performance and safety.

Other issues include:

- **Inconsistencies:** Manual approaches to awareness and wider communication that are slow, unreliable, and error-prone
- **Delays:** A slower response in identifying and resolving issues
- **Conflicts:** One or more groups performing tasks that are inefficient or unsafe

Breaking down silos

Organizations and departments are aware of the need to collaborate more widely, but they rarely have the necessary solutions, capabilities, and resources at their disposal to make it happen. What's more, persuading other partners to collaborate can be a fruitless venture, especially if they fear losing control over their data or ultimately end up paying for a system they don't own.

While some areas of operation utilize collaborative tools, they only extend to a limited number of users and organizations. The wider picture is one of siloed data, systems, and workflows. These silos, whether internal or external, require manual communication that is slow, unreliable, and often forgotten. This leads to isolated bubbles, with a small number of users performing similar tasks for similar departments or organizations.

HxGN Connect, leveraging Hexagon's Xalt | Integration platform, breaks down these silos between not only technology and organizational data, but also organizations and the citizens they serve. The end result is greater shared awareness and efficiency among collaborators.

Key features

Seamless data integration

Integrating data from different systems is quick and easy with Xalt | Integration, a proven data integration platform that powers HxGN Connect's unique data sharing capabilities. With our DIY approach to data integration, you can even build, manage, and maintain your own interfaces.
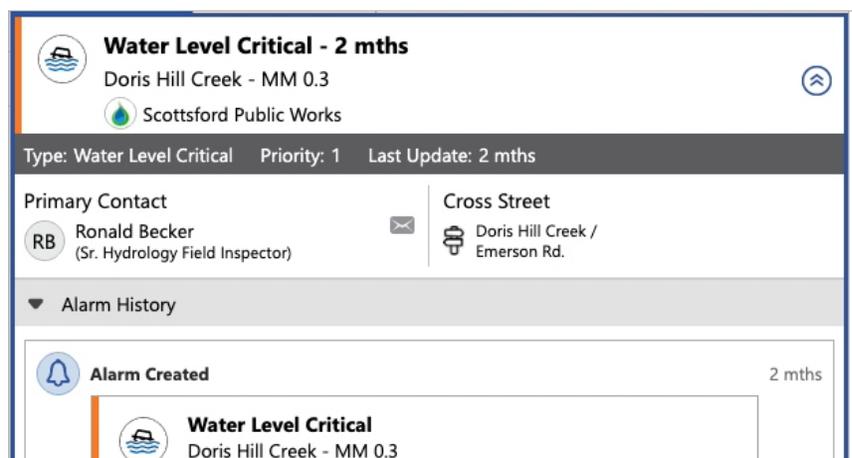
Data sharing controls

With HxGN Connect's business rules component, you can responsibly and securely share the data you want, with whom you want, under the conditions you set.

Unique user experience

HxGN Connect is designed with the user in mind. The user experience adjusts to fit organizations of different operating styles, cultures, and workflows. Create ad hoc layouts in seconds using an aesthetically pleasing, customizable UI.

HxGN Connect allows users to communicate and collaborate with those from other functions, roles, and organizations to obtain information and act on it.

Because it's scalable, HxGN Connect promotes real-time collaboration, transitioning seamlessly from day-to-day tasks to large-scale emergencies like flooding caused by a significant storm.

Above: Users can see automatic updates via channels, which honor data-sharing rules. HxGN Connect allows collaborating organizations to post their own messages, images, and videos to inform users about current conditions.

Right: Another feature of HxGN Connect is the ability to send and receive alarms about dangerous and potentially life-threatening conditions like rising water levels. The alarm also provides the level of priority, location of the emergency, and a primary point of contact.

Responsive, ad hoc capabilities

Users can set up new layouts, change data sharing rules, scale to the scope of an event, and create collaboration channels that dynamically add related people and assets – a capability unmatched in the marketplace.

Support for diverse roles

The solution allows users to communicate and collaborate with those from other functions, roles, and organizations – including internal departments and external partners – to obtain information and act on it. It easily integrates with existing systems to provide new or alternative capabilities.

Collaboration in the cloud

HxGN Connect's cloud-native system reduces entry barriers and simplifies deployment. Organizations can simply subscribe to HxGN Connect; they don't need to procure, manage, or maintain new IT infrastructure.
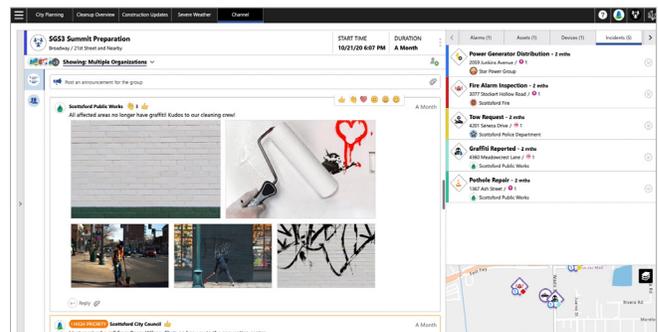
Benefits

HxGN Connect makes collaboration more achievable, far-reaching, and impactful. It bridges gaps, breaks down barriers, and enhances performance and safety for daily planning, operations, and spontaneous emergency and crisis situations.

Specifically, HxGN Connect:

- Helps organizations manage incidents, share data, and coordinate action with a visual method of engagement and collaboration not available elsewhere

- Assures ease of operation by diverse user profiles with minimal training
- Seamlessly transitions from routine tasks to crisis mode
- Provides a unified, roll-up view that enables both day-to-day, ad hoc engagement, and formal methods
- Removes technical and organizational barriers to collaboration through SaaS deployment
- Allows collaborating partners to retain ownership and control of their data
- Offers a lower cost of ownership and faster return on investment through simplified data integration, system deployment, and maintenance

| **Discover** more about HxGN Connect today.

In addition to emergencies, organizations can use HxGN Connect to plan large events like a citywide summit. Channels provide a collaborative space for all participating organizations. For example, as the city's public works department beautifies the city, it can receive and upload photos of potholes and graffiti to the channel. The public works department, using the channel, can then notify repair crews about issues. The public works department can also receive real-time updates about work orders.