

HEXAGON HYDROLOGY OVERALL (H²O) SOLUTION

The Hexagon Hydrology Overall Solution – the H²O Solution, for short – is a comprehensive water infrastructure management solution. Its integrated components are designed to improve the construction, operability and security of water management systems such as dams, reservoirs and levees, while also ensuring the safety of neighboring communities in the event of emergency.

It is comprised of total stations and sensors from Leica Geosystems and monitoring, dispatch, engineering and asset management solutions from Intergraph®. Together, they work to reduce the risk of infrastructure failure by keeping it protected and healthy as well as safeguard it against disaster through the use of real-time monitoring, early warning systems and emergency operations plans.

H²O INTEROPERABILITY PLATFORM

Overview

The H²O Interoperability Platform is the “brain” of the H²O Solution, as the platform links all the H²O Solution products together allowing them to work seamlessly as one complete enterprise system. The Interoperability Platform contains all the logic for the rules engine, the rules for task allocation and the entire message configuration to allow different applications to communicate with each other.

The H²O Interoperability Platform contains the logic which allows the following H²O Solution products to communicate with each other:

- H²O Dashboard
- H²O Mobile
- H²O Security Framework
- H²O Incident Command & Control
- H²O Emergency Operations Center
- H²O Information Management
- H²O Video
- H²O Notification
- H²O Geospatial Engineering & Analysis
- H²O Design Engineering & schematics
- H²O Real-Time Monitoring
- H²O Image/Data Capture
- H²O Flood Modelling

The H²O Interoperability Platform can easily be configured to connect to other third party system as deemed necessary by the customer. This could be external databases, notification systems, maintenance systems, etc.

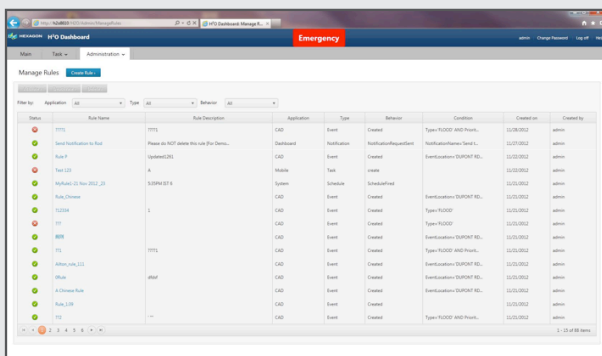
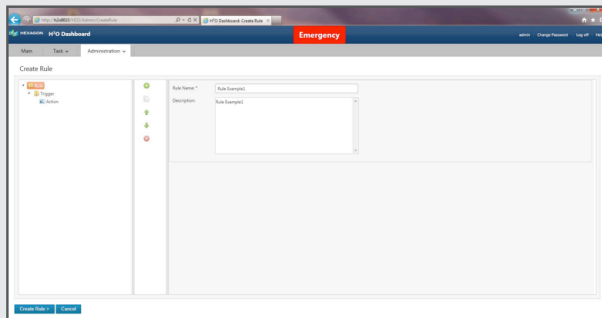
Key Functions

The H²O Interoperability Platform contains the following key functions:

- Key piece of middleware integrating all the different components of the H²O Solution
- Configurable Rules & Policies Engine
- Task Management
- Common Sensor Interface
- Connections to Relative Hexagon or 3rd Party applications
- Active incident-based, time-based or status-based rules to link data to other application modules, systems or agencies
- Peer-to-peer system data exchange or tier-to-tier information escalation
- Homogeneous data synchronization or selected information notification

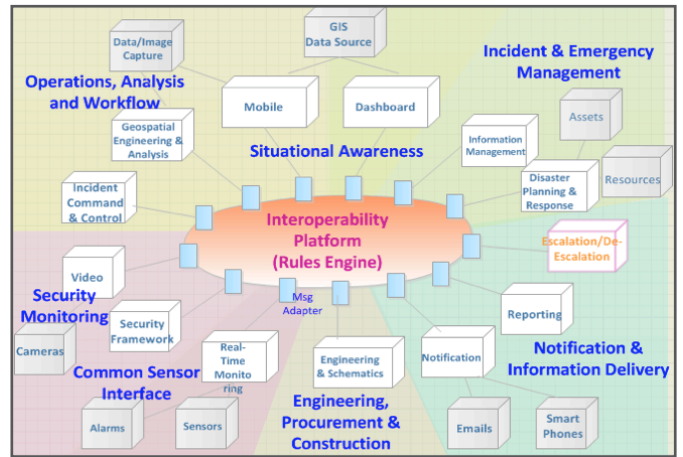
Example

The H²O Dashboard provides webpage access for administrators to create and manage rules within the rules engine. These rules determine the behaviour of the integrated systems within the H²O Solution.



Highlights / Benefits

The H²O Interoperability Platform is the middleware of the H²O Solution that allows all the various applications to communicate with each other based on rules that are configured by the customer.



H²O Interoperability Platform Integration Modules

The H²O Interoperability enables the ability to provide intelligent convergence of data from all different types of sources.

- Rules Driven
- Configurable
- Integration Adaptors for H²O Geospatial Engineering & Analysis
- H²O Design Engineering & Schematics
- H²O Real-Time Monitoring
- H²O Image/Data Capture
- H²O Security Framework
- H²O Incident Command & Control
- H²O Emergency Operations Center
- H²O Information Management
- H²O Notification,
- H²O Video
- H²O Flood Modelling

About Hexagon

Hexagon (Nordic exchange: HEXA B) is a leading global provider of design, measurement and visualisation technologies. Our customers design, measure and position objects, and process and present data, to stay one step ahead of a changing world. Learn more at www.hexagon.com.

About Intergraph

Intergraph Security, Government & Infrastructure (SG&I) provides geospatially powered solutions to the public safety and security, defense and intelligence, government, transportation, photogrammetry,

utilities and communications industries. Intergraph Process, Power & Marine (PP&M) is the leading global provider of engineering software for the design, construction, and operation of plants, ships, and offshore facilities. Learn more at www.intergraph.com.

About Leica Geosystems

With close to 200 years of pioneering solutions to measure the world, Leica Geosystems products and services are trusted by professionals worldwide to help them capture, analyze and present spatial information. Leica Geosystems is best known for its broad array of products that capture accurately, model quickly, analyze easily and visualize and present spatial information. Learn more at www.leica-geosystems.com.