WebGate the Ultimate IoT SaaS

ENCOMPASSING ALL NETWORKS
Regional or Global

WebGate works with all web browsers, providing access to DataGate servers around the globe. Users access DataGate gateways using secure credentials, allowing authorized users to access the assigned DataGate control hub from any web browser.

WebGate works with Iridium, Thuraya, Msat, Starlink Satellite Networks and LMR VHF/UHF networks since 2001.

3G & 4G Networks are worldwide. DataLink has elected to work with www.Soracom.io as its Global Partner to provide the same WebGate service to a world-wide market.

WebGate is cellular network agnostic and will work with most GPS and IoT Hardware devices that are not locked to specific networks such as AT&T or T-Mobile and can connect to WebGate using Soracom Network agnostic SIMS and Airtime with multi-country coverage. As an example, Canada/USA/Mexico are open borders.

Datalink Systems
Engineered Data Solutions

WebGate, a History

WebGate is the Web-Browser "front-end" for DataGate and DataGate (Encrypted) Server Hubs. First developed in 2001 and progressively updated with new DataGate versions released as new features are incorporated.

DataGate is Windows based and can be operated as a CLOUD service with Global coverage or installed in regional Windows servers behind firewalls. This would typically apply to the Law-Enforcement and Military.

Encrypted DataGates are used by the Military and Law Enforcement around the World

- ❑ The U.K. MI6 Intelligence Agency has used Encrypted DataGates for eight years.
- ❑ Interpol uses DataGates.
- ❑ The Australian Government uses DataGates.
- ❑ The Philippine Navy tracks its ships via DataGates.
- ❑ The Swedish Space Agency uses DataGate.

Datalink Systems
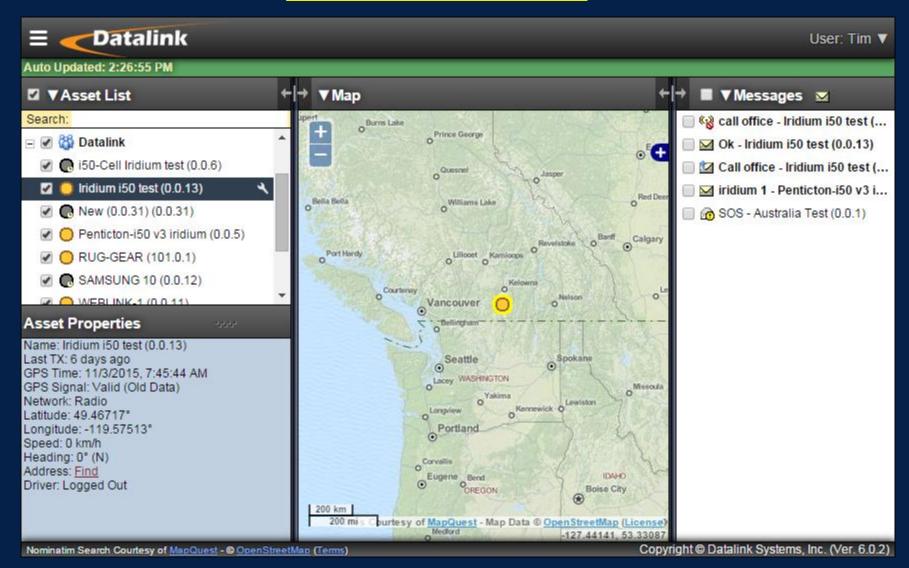Engineered Data Solutions

WebGate User Interface

Use your computer's Web-Browser to access WebGate where authorized.

- Accessible from desktop and mobile terminals.
- GPS tracking using a variety of maps, including custom ESRI layers.
- Two-way messaging and alerts with most LMR radio models.
- Remote control including radio GPS reports, revive, and ESN requests
- GPS tracking of LMR SOS alerts.
- Administrative control of assets and users.

Webgate.org

ID & Password required

WEBGATE SCREEN

ALL ASSETS, MACHINE & HUMAN ON THE SAME SCREEN

LMR

GPS Radio & Data (P25– NEXEDGE -IDAS-DMR-Analog)

WebGate can process GPS, SOS & Two-Way texting with most LMR Radio brands including;

- Kenwood NEXEDGE - P25 - DMR – Analog
- ICOM - IDAS - UHF/VHF Digital
- BK - UHF/VHF Digital
- Hytera – Motorola - TAIT

Datalink's RedAlert can process most LMR Radio SOS button activations and route the alert along with GPS coordinates relayed to rescue personnel.

Radio Connections (P25 – NXDN - IDAS-DMR)

WebGate can link LMR two-way texting and GPS to 4G screens

- Multiple connections via base radios and IP covers wide areas or separate networks.
- Base radio serial links can be direct to server or via serial/Ethernet-over-Internet.
- Direct IP link to Digital Repeaters.
- Encryption descrambling.
- Monitor groups and individual radios.
- Monitor live Tower RSSI strength.
- Link independent digital networks via I.P.

LMR Email Routing

- DataGate defines an email address for each LMR Digital radio.
- Messages sent to that address are formatted and forwarded to the radio.
- Responses from the radio are returned to the original email address.
- Provides a generic interface that can be used for dispatch, manufacturing, and hospitality applications.

VOCALIS POC

VOCALIS POC + WEBGATE

VOCALIS PTToC is Network agnostic. Not affiliated with any radio manufacturer. VOCALIS service is worldwide with over 30 servers located around the Globe.

- ❑ Open Borders! Complete Coverage with SORACOM.IO global SIMS
- ❑ Wide range of hardware, including iOS and Android Smartphones.
- ❑ LMR interface includes GPS and two-way Texting.
- ❑ WebGate Screen displays Two Way-Texting, IoT Hardware & GPS tracking of field workers.
- ❑ VOCALIS is LINUX based. Note! Android is a sub-set of LINUX.
- ❑ Streaming Video from Drone Ground Controllers to multiple Teams over 4G or Starlink.
- ❑ VOCALIS links to a local STARLINK Hub over Wi-Fi.

VOCALIS, in its own CLASS!

LINUX delivers streaming video

Learn more

MARKETS

DataGate Solutions and Bespoke developments support a wide range of global markets

- ❑ Lone Worker Safety.
- ❑ School Districts. School Bus and Student Monitoring.
- ❑ Municipal Bus Tracking.
- ❑ Municipal Services. Lora data communications.
- ❑ Municipal Works heavy duty machinery. Monitor Engine CanBUS.
- ❑ Local Fleet Communications.
- ❑ Meter Maid SOS. Immediate Police Support.
- ❑ Agricultural remote sensor monitoring using LoRa Networking.
- ❑ Sanitation Truck Schedule monitoring and tracking.
- ❑ Monitor Fishing Zones and Protected areas.
- ❑ Monitor Territorial Air and Sea violations in real time.

CASE STUDY-1

ICOM SAT100 Satellite Terminals

Two trains collided head-on on a key African Coal Train single-track railway line. The coal trains had almost no communication with train control for most of the 1,200 Km. between the coal mines and the shipping port.

The coal train company turned to Ground Control Systems in the U.K. who suggested a Satellite solution and in turn, brought ICOM U.K. into the project who in turn suggested Datalink Systems as a developer of a Bespoke system based on ICOM's SAT100 PTToC terminals to address the communications challenge.

Datalink Systems proposed a PTT Voice communication system based on SAT100 devices with additional GPS tracking of each Coal Train with Datalink's DataGate processing GPS data provided by each SAT100 terminal.

The proposed design was approved by TransNet's Head Project Engineer.

CASE STUDY-2

MICHELIN TIRE ROBOTIC PRODUCTION

Michelin contacted Kenwood to update their aging one-way paging system in their tire production plant. They needed a system to alert maintenance technicians to any breakdowns in the production chain which required immediate repair. Datalink provided a solution.

The Plant Management selected Kenwood NEXEDGE Portable Radios for voice communications and a Datalink text messaging solution based on Datalink's well proven WebGate software management programs. Typically, when a PLC (Programmable Logic Controller) monitoring automated process detects a fault, the PLC sends a status signal to a systems monitoring console.

The console operator will assess the problem and will send a service alert to one of several plant service technicians. The alert service call details are entered into the Datalink software program which is then transmitted over the NEXEDGE network to the appropriate technician for immediate service. The details appear on the portable radio's text screen. The time/date stamped details are also stored in the maintenance departments database. All status reports entered by the technician using the radio status keys are transmitted back to the monitoring control console and automatically recorded into Datalink's local database.

CASE STUDY-3

SKELTON TRUCKING

Skelton Truck Lines transports pharmaceutical and blood plasma products in an advanced multi-compartment temperature-controlled transport system across Canada and the United States. Temperatures in each compartment must be strictly controlled and monitored in real-time. Temperatures outside the limits will cause the product to be rejected.

Several years back, Skelton turned to Datalink to develop a real-time monitoring system based on both cellular and Iridium Satellite Networks with automatic switching to satellite when cellular networks were lost.

Whenever temperature thresholds were close to exceeding limits Datalink's WebGate would notify both the driver and Skeltons Dispatch desk.

CASE STUDY-4

HALIFAX CONTAINER PORT

The Halifax (Canada) Container Port is managed by PSA based in Singapore.
https://www.singaporepsa.com/

Turple Communications, Datalink Systems Dealer based in Halifax contracted Datalink to develop a management control system for the Jitnys moving containers from locations in the Container Yard to Ships and the reverse.

The project was to lock down the Jitnys to prevent unauthorized persons from operating them. The solution was to use NFC Cards to unlock the ignition and also log the operator I.D. including Date and Time.

THANK YOU FOR TAKING TIME TO VIEW THIS PRESENTATION

WEBLINK INTERNATIONAL
Global Distributor for all Datalink Products
Las Vegas, Nevada

[Click here](#) to order or to request more details