Cloud based data for water network pressure, flow and leak location

PrimeWeb is a web-based solution for the collection and display of water network hydraulic data plus leak alarms and correlated leak positions – all on one platform.

PrimeWeb processes remote data from *XiLog+* data loggers, *Phocus3* and *Phocus3m* acoustic noise loggers and *Enigma3m* correlating noise loggers. It is accessible on any device with internet access.
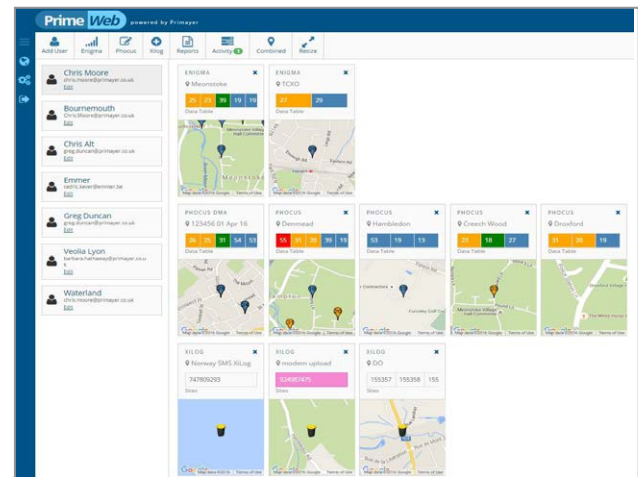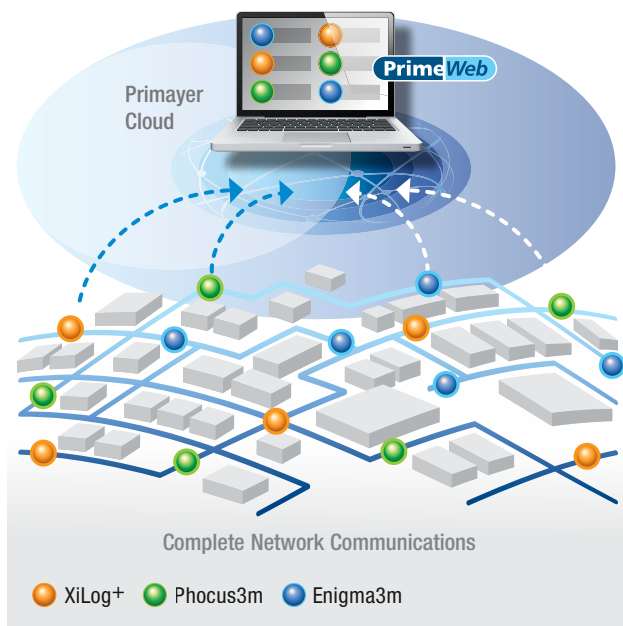
Features

- **Access to network pressure and flows, water usage, nightlines, leakage detection and leak location**
- **Dashboard displays XiLog+, Phocus and Enigma3m data availability**
- **Logger data and leak positions on Google Maps* and 'Street-View'**
- **Alarms available via email**
- **High security;**
    - **Microsoft Cloud based**
    - **Bespoke encoded data format**
    - **Unique client log-ins**
- **Operation using any internet browser**
- **On-site data accessed via tablet or smartphone**

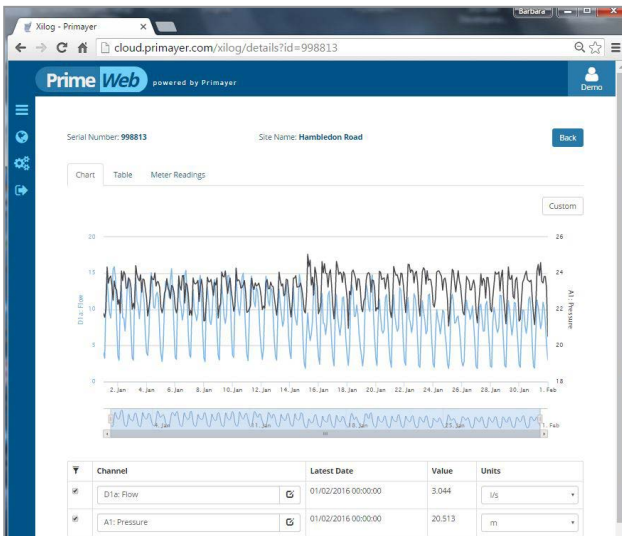## Customised user access levels

PrimeWeb user access levels are configurable to individual client access requirements. Client accounts together with sub-user accounts can be created such that controlled logger data is made available to individual users.

Primayer Cloud

Complete Network Communications

● XiLog+   ● Phocus3m   ● Enigma3m

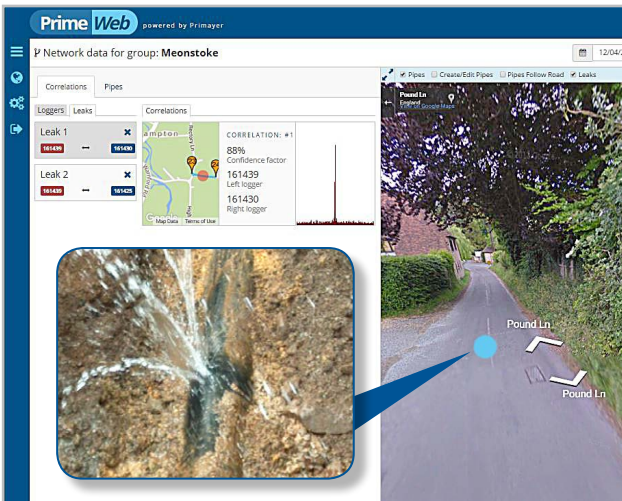**technology for** network management and leakage control

XiLog+ hydraulic network data

- Data may be displayed in both tabular report and graphical formats
- Full graphing facilities with time axis and engineering units selectable
- Multiple channels can be viewed such as supply pressure and flow, reservoir level, open channel flow, rainfall, etc.
- Flow meter readings are shown together with daily volume and consumption data
- XiLog+ data export in .CSV format, or using the OPC-HDA protocol, is available (contact Primayer for further information regarding XiLog+ data export)

Network pressure + Flow data

Street view provides visualisation of leak location
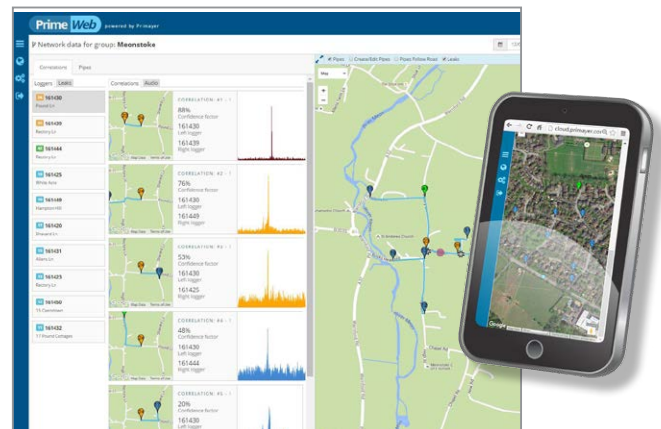
Phocus3 and Phocus3m leak detection data

- Leak noise data may be accessed from both;
  - Phocus3 'lift and shift' noise loggers (transferred via PC)
  - Phocus3m permanent noise loggers
- Logger leak noise detection status displayed on Google Maps and also in tabular and histogram format
- Daily leakage alarm notification via emails
- Leak listening for confirmation of leak noise

Noise logger leak status table

Enigma3m correlating logger leak location

- Correlation processing from many loggers for accurate leak position
- Daily updates for reduced leak run time
- Leak positions and logger positions shown on Google Maps and in Street View to aid site visualisation
- Historical data available to aid leakage management

Correlation thumbnails with logger positions on Google Map *Courtesy of Google Maps.*

(It should be noted that PrimeWeb stores data in the Primayer Cloud. Other data stores can be used for XiLog+ and Phocus3/3m data. However, because Enigma3m data is post-processed, this leak position data is only available through the Primayer Cloud).

Water network hydraulic data and leak detection+location data on one online platform – *the PrimeWeb solution.*