

XiLog[®] Message Service

Managed SMS Data Facility

Technical Note IXD-602-TN Issue 2

The XiLog Message Service (XMS) delivers data via SMS from XiLog devices to a secure server and then via the internet to the end user. The Service gives managed data with considerable advantages.

Benefits

- Data sent to any number of PC's
- Key client filtering
- Alarms can be sent to mobile phones or by email to PC's
- Data management, audit trail and diagnostics
- Auto data gap-filling facility
- Data available via *PrimeWeb* on any internet browser

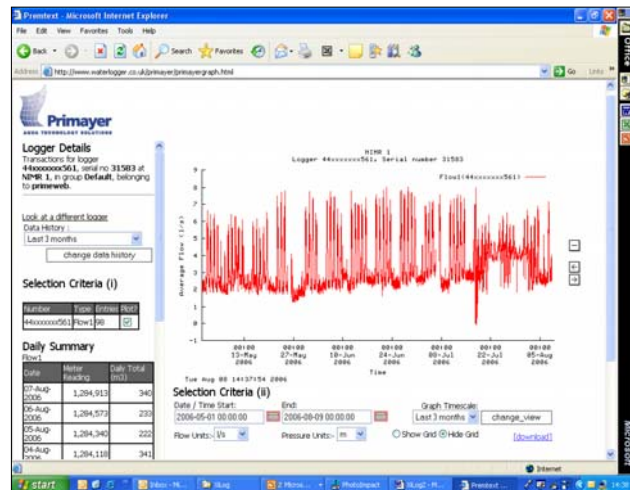
Overcomes PC modem limitations

Problems with large numbers of messages arriving at a PC modem at the same time are eliminated. XMS is proven technology and has handled over 160 million messages (as at early 2007). Logger credit may be checked at any time.

Auto data gap-filling

This process enables easy data validation and can overcome problems of variable GSM signal strength at a site.

- All logger message receipt records are scanned weekly and monthly to look for missing messages
- Where missing data exists it is automatically re-requested from the XiLog logger



PrimeWeb – data anytime, anywhere

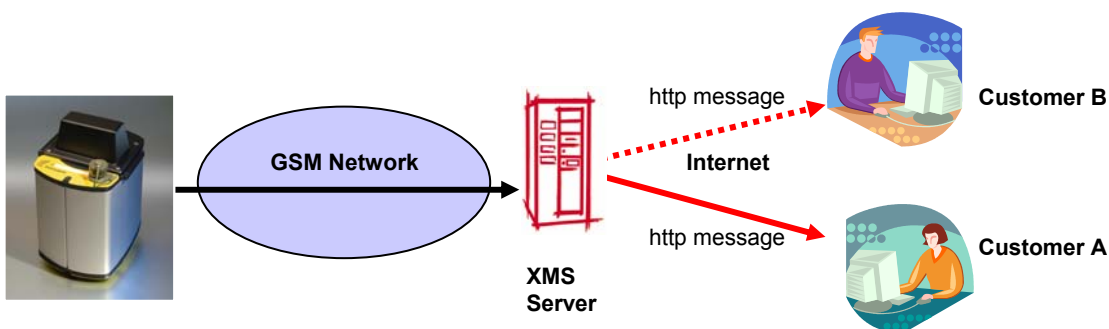
To view or download data at any time or from any location simply access *PrimeWeb* (see above). Only a standard internet browser is required.

Alarms are generated by XMS

Alarms can be sent to several mobile phones or by email direct to the engineer's PC. An audit trail is available to indicate receipt of alarm messages.

The advantages of managed data

- Data sent to any number of PC's without the need for sending additional messages (with associated extra message costs)
- Messages can be re-downloaded if GSM network fails
- Key client filtering - water utilities can offer their industrial customers this data service (and can download the same data)
- Data is managed - much easier for Primayer to provide support



XiLog Message Service – active management of large amounts of SMS logger data

Logger Telephone number

Logger serial number

SMS Credit messages held on server (available for use by the logger)

Site name

group	group alarms	number	type	serial number	credit start	end	site	logger alarms	diagnostics	
Default	[none]	447774654745	XiLog	35696	2246	30-Nov-2004	none	Mid Calder West DMA	[none]	traffic alarms
		447282196758	XiLog	43780	2000	21-Feb-2006	none	XiLog 43786	[none]	traffic alarms
		447282645529	XiLog	43784	1799	21-Feb-2006	none	XiLog 43784	[none]	traffic alarms
		447010060991	XiLog	43789	2000	21-Feb-2006	none	XiLog 43789	[none]	traffic alarms
		447010055644	XiLog	43787	1856	21-Feb-2006	none	XiLog 43787	[none]	traffic alarms
Borders WOA	[none]	447265130562	XiLog	034467	4000	16-Aug-2004	none	One TBC	[none]	traffic alarms
		447265130568	XiLog	034471	4000	16-Aug-2004	none	Two TBC	[none]	traffic alarms
		447265130566	XiLog	034476	4000	16-Aug-2004	none	Four TBC	[none]	traffic alarms
		447265130564	XiLog	034474	4000	16-Aug-2004	none	Five TBC	[none]	traffic alarms

This section indicates the PC that has collected the data

This section shows each daily SMS sent by the logger over a 1 month period

Occasionally it is possible to see daily gaps and then 3 messages in one day, i.e. the current day's data plus previous missing data coming into the server

This could indicate poor signal on site

This section reports commands that have been sent, i.e. requests for further data

The alarm details are shown here