

Using the watermanager solution
you are able to manage and
monitor your dataloggers easily,
at any time and from everywhere.



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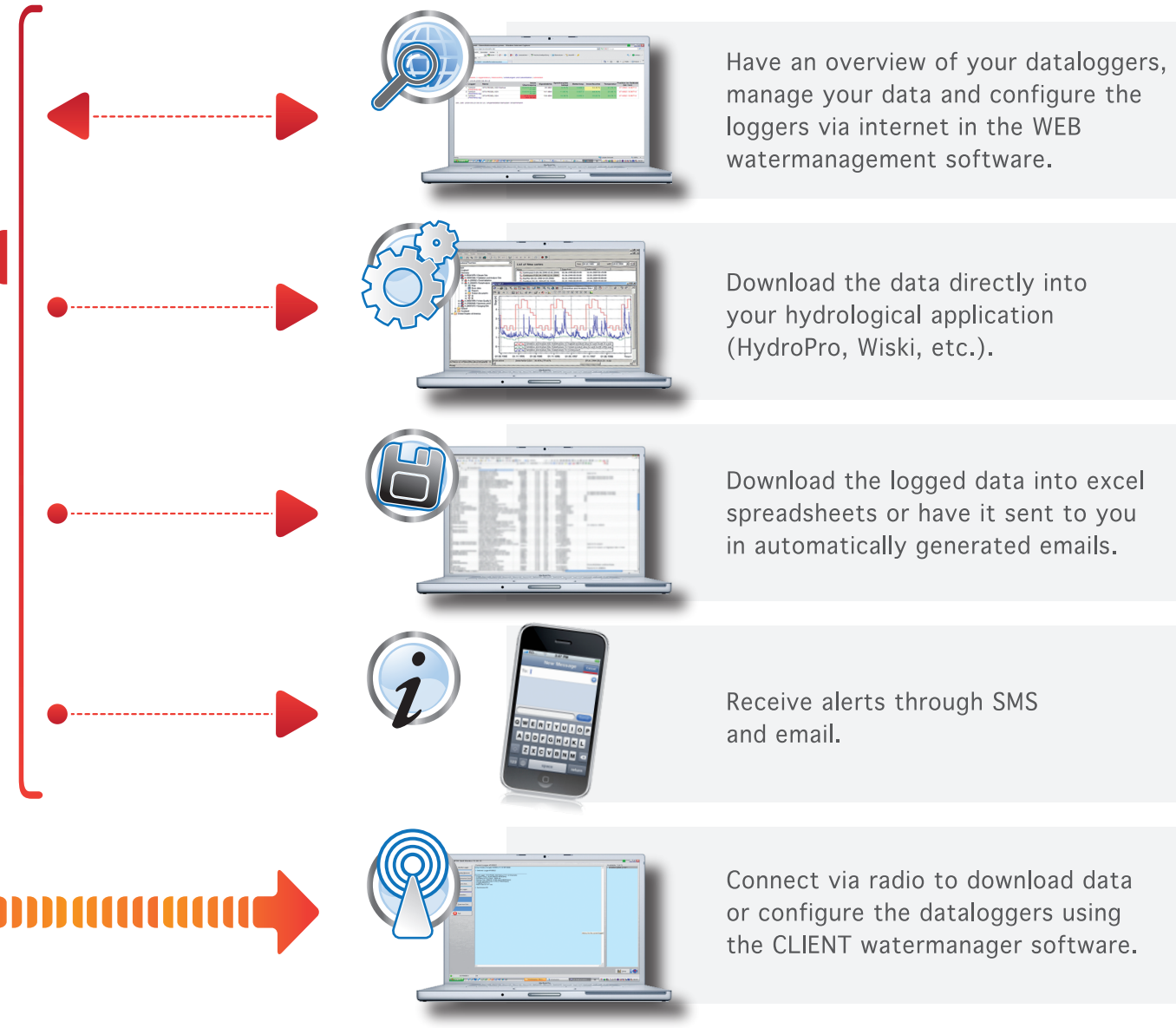
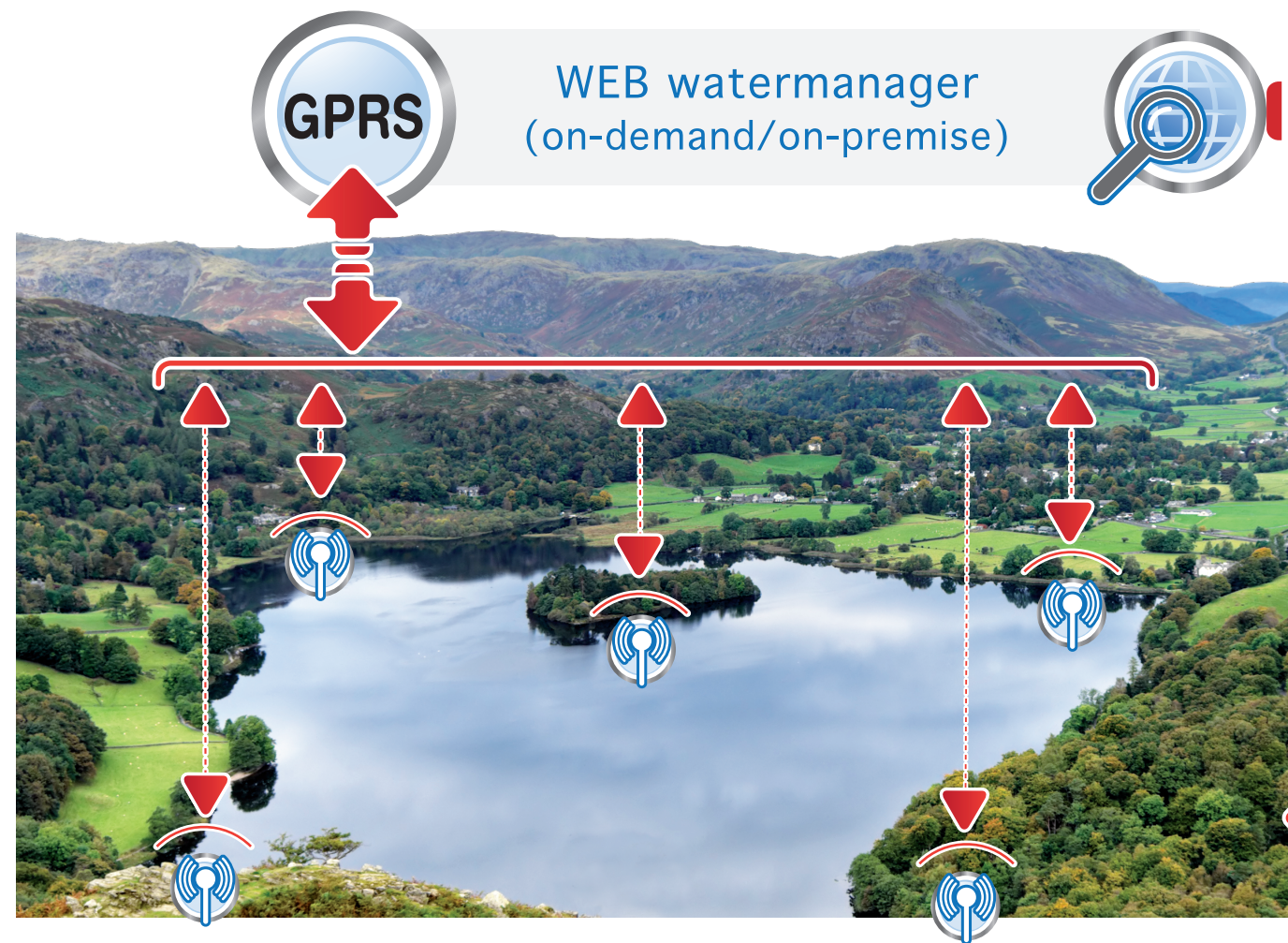
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STS watermanager solution

Do you want to gain flexibility and cost
effectiveness in water monitoring?



Here is the answer to your question.



INTERFACE YOUR HYDROLOGICAL APPLICATION

- > All the measured values can, after collection in the WEB watermanager, automatically be transferred into your hydrological application (hydropro, Wiski, etc.).
- > This means that you do not need to care about setting up connections to the dataloggers and exporting/importing data at all. You can perform your daily work in the application, which you regularly use.
- > STS is constantly expanding the range of standard interfaces to hydrology software.



DOWNLOAD DATA

- > In the WEB or CLIENT watermanager applications the measured values can be downloaded easily into Excel spreadsheets with one mouse-click.
- > Hereby you define the range of data you want to have downloaded.



ALARM NOTIFICATION

- > Alarm indication can be set on different parameters:
 - Water levels, which are not in the threshold values.
 - Exceeded water / medium temperature levels.
- > Alarm indications on the dataloggers "health-state": battery life-time, humidity in the datalogger and chip temperature.
- > Once a parameter, which you have defined, is exceeded you will immediately receive a text message/email, which informs you that action is needed.



RADIO INTERFACE

- > If for any reason the GPRS connection should not work, there is an alternative for data read-out and configuration: the radio interface.
- > It operates on 433 MHz and can communicate with the datalogger to up to 20m distance.
- > The radio connection between your laptop and a datalogger is set-up using a USB radio stick. With the STS software package CLIENT watermanager you can access/download measured data from the datalogger, configure it and set-up alarm functionalities.
- > Advantages of this functionality are:
 - The dataloggers do not need to be de-installed/removed from their position for read-out and configuration purposes.
 - This makes it easy and time saving to operate your dataloggers locally.



DL.WMS/GPRS/R

- > The measuring hardware consists of three elements:
 - A high-precise pressure and temperature sensor in stainless steel or titanium with an accuracy of $\leq 0.1\%$ FS.
 - A data logging element, which can store up to 250'000 values reliably, monitors its condition (chip temperature/humidity in the dataloggers and battery lifetime), and which can be configured in detail by the user.
 - Communication modem for GSM/GPRS and radio (433 MHz), over which data read-out and system configuration takes place.
- > This hardware has been designed to be operated in remote locations: it is battery powered (lifetime > 3 years), can be remotely read-out and configured via GSM/GPRS or radio, can easily be installed (e.g. in 2"/4" tubes) and comes in solid and robust stainless steel housing.



GPRS TRANSMISSION

- > GPRS (general packet radio service) is a packet oriented mobile data service available to users on the GSM network (global system for mobile communications).
- > GPRS data transfer is typically charged per megabyte of traffic transferred, while a data transfer via GSM is billed per minute of connection time.
- > Advantages of GPRS transmission are:
 - No point-to-point dial-in to the datalogger needs to take place.
 - Lower connection time and costs.
 - Commercially available SIM cards which allow datatransfers (M2M - record) can be used.



WEB watermanager 1.0

- > An easy-to-use internet application with which you can manage your dataloggers:
 - Have an overview of all your dataloggers (incl. health check information).
 - See measured values in numbers or graphs.
 - Configure your dataloggers via the internet (e.g. measuring or data replication periods).
 - Download measured data to Excel spreadsheets.
 - Set alert parameters, which will trigger text messages (SMS) or emails.
- > All your dataloggers submit their measurement data via GSM/GPRS, in the period which is configured, directly to the WEB watermanager application. This ensures that you have all your data available whenever you need it.
- > There are two possibilities to run the WEB watermanager:

DEVELOPMENT OPTIONS	DESCRIPTION	CUSTOMER ADVANTAGE
On-Demand	<ul style="list-style-type: none"> • STS runs your WEB watermanager solution for you and: <ul style="list-style-type: none"> - Provides the hardware on which the WEB watermanager operates. - Secures a 7X24X365 availability of the WEB watermanager. - Performs data back-ups / archives up-to 10 years. • Price bases on yearly service fees. 	<ul style="list-style-type: none"> • You can access the WEB watermanager over the internet from everywhere and anytime. • You do not need to care about IT or data management matters.
On-Premise	<ul style="list-style-type: none"> • You run the WEB watermanager solution in your office and on your hardware. • Price bases on a licence fee. 	<ul style="list-style-type: none"> • You have the full control (and responsibility) of software and data.

SCIGATE
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watermanager solution
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