

SEWER PUMPING STATIONS

Ampcontrol AWARE simply connects your physical world with the digital one.

Ampcontrol AWARE introduces a new way of approaching remote monitoring and control. It no longer has to be complicated, time consuming or expensive to get access to your data and respond to it.

In sewer pumping stations this means simplifying the installation, reducing the number of components and shortening the installation and commissioning time to provide significant cost savings.



REDUCING COMPLEXITY

Monitoring and control requirements using traditional PLC/RTU/SCADA methodology requires a multitude of electronic devices that need to be integrated.

Ampcontrol AWARE reduces the complexity by easily integrating local based sensors and actuators, communicating with other Ampcontrol AWARE peers to provide a truly distributed architecture.



PRE-WRITTEN SOFTWARE

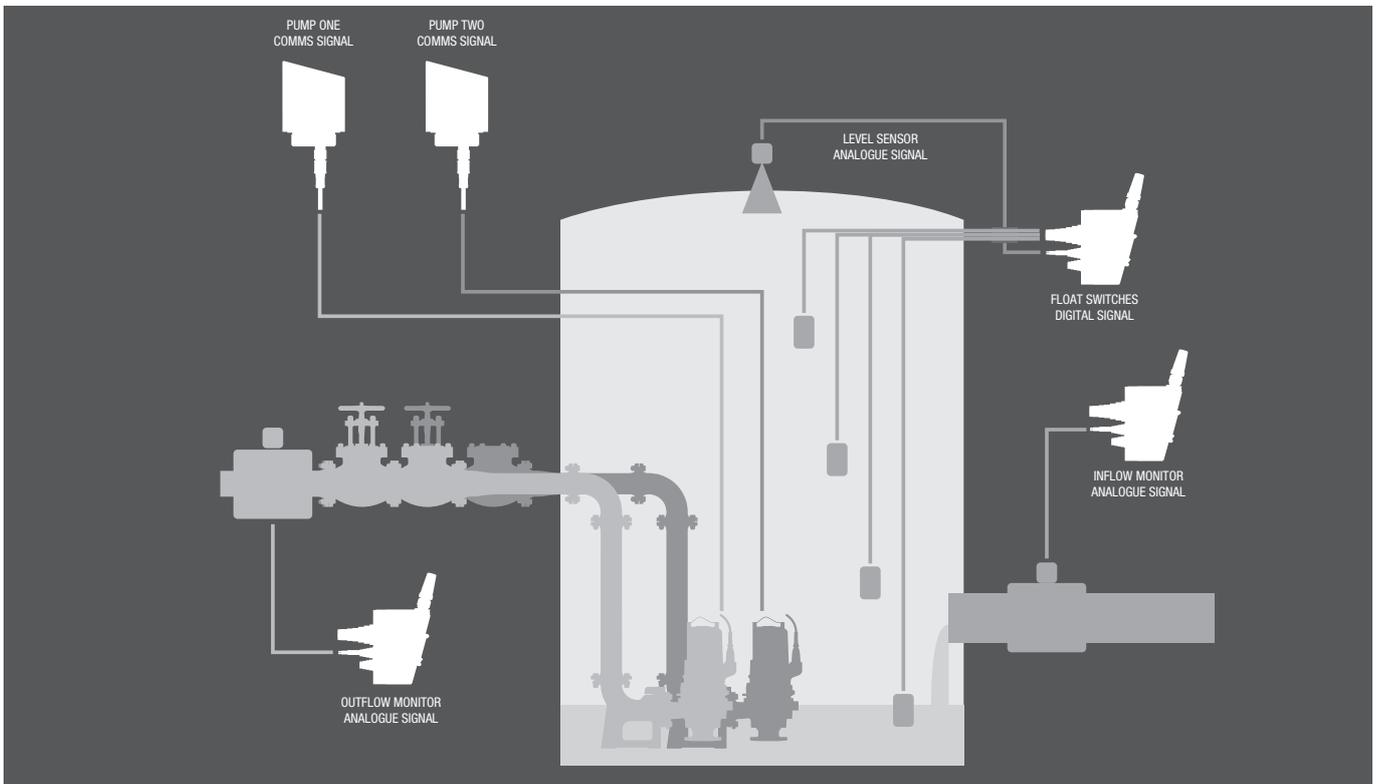
Ampcontrol AWARE's pre-written software allows you to monitor and control a wide range of typical applications (eg level, flow, pump, fan etc) straight out of the box. Each software module is configured with the necessary operating variables (eg ranges, set points, notifications etc) as opposed to engineering application specific programs and testing them for each implementation.



SMART ALGORITHMS

Ampcontrol AWARE moves beyond data monitoring. It can also edge compute and connect to other smart devices and peers to gain additional data context from the cloud including predictive analysis, derived flows, failure modes and recovery scenarios.

Through smart algorithms, Ampcontrol AWARE learns diurnal patterns of repetitive operations and scheduled events to determine normal versus abnormal operations.



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A SINGLE MODULE

Various digital, analogue and communications interfaces can be combined into a single module. This flexibility makes Ampcontrol AWARE an economical choice for distributed monitoring and control applications.



REAL TIME DECISION MAKING

Ampcontrol AWARE optimises the data transmission ensuring only relevant data is sent and analysed, ensuring efficient and responsive real time decision making.



EASY RETRO-FITTING

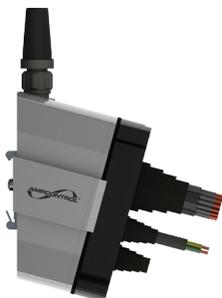
Retrofitting to legacy systems is made easy with pre-made wiring looms. These can be adapted to almost any installation, utilising existing field wiring terminals if required, saving time on installation, point to point testing or wiring and drawing revisions.

In Application

A typical sewer pumping station uses two different Ampcontrol AWARE modules; the General Purpose and the Pin.



The **Pin** module enables a communications interface (Serial, Ethernet, Fieldbus, etc) to 'smart devices'. This offers a lower-cost option where no digital or analogue I/O is needed. Installation of the Pin is simple, you only need to drill a single hole, then insert the device and connect the plug and cable.



The **General Purpose** module is one of the most rugged and versatile in the range. It is designed for applications that require connected digital and analogue signals (sensors) and its mounting flexibility enables the additional space required for relays used for control (actuation).

