Northumbrian Water and Essex & Suffolk Water are both part of Northumbrian Water Group Limited (NWG). They provide water and sewerage services in the North East of England under the brand name Northumbrian Water (NW) and water services in the South East under the brand name Essex & Suffolk Water (ESW). Serving 2.7 million people in the North with water and sewerage services and 1.8 million people in the South with water services.

FACTS AT A GLANCE

475 CAMERAS

2,632 ALARM POINTS

50 ALARM PANELS

35 REMOTE SITES

PIDS

VIBRATION SENSORS

DOOR CONTROLS

INFRARED DUAL DETECTION ALARMS

HATCH ALARMS
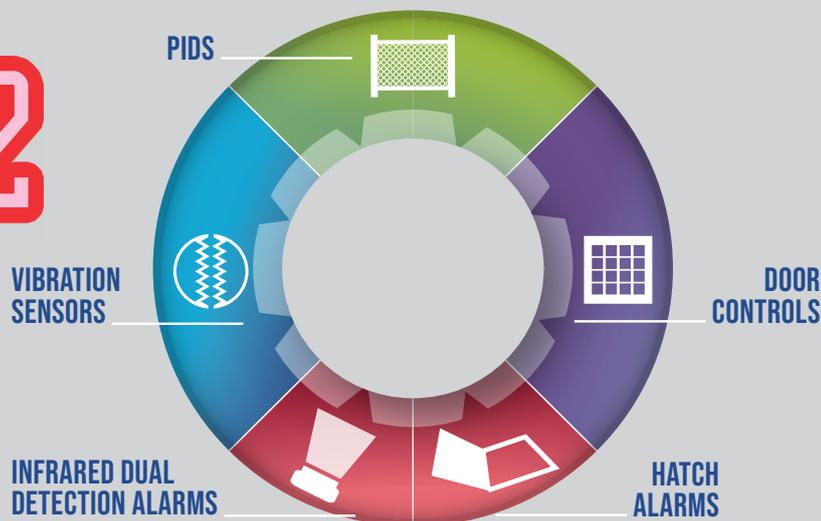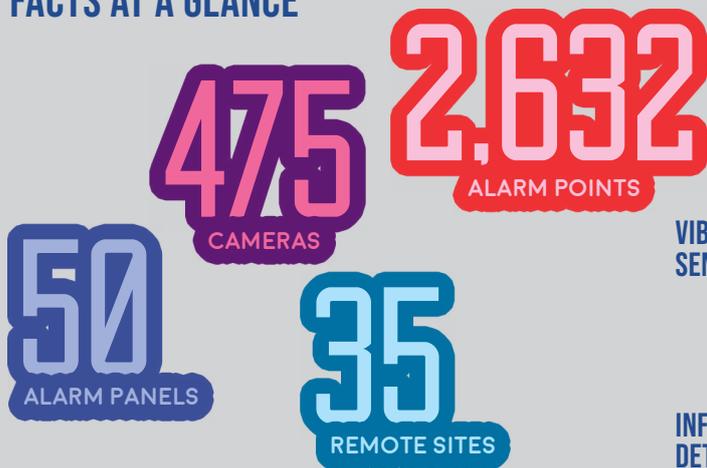
"Cortech Datalog integrates our base electronic security systems – principally alarms and CCTV. The system verifies alarms automatically by displaying the relevant camera(s) associated with any alarms with both the pre and post alarm image along with a live feed from the same camera(s). As such the control room operator does not need to seek the relevant CCTV images associated with any alarms allowing them to respond more effectively to any security event and making the whole control room operation much more efficient. Cortech Datalog has progressively improved over the years as we have gone through various upgrades from Datalog 2 to the current Datalog 5 system. I would certainly recommend it as an effective systems integration tool."

Kevin Morrell MBCI, Business Continuity Manager - Northumbrian Water

The Challenges

The challenge was to provide Northumbrian Water with a method of ensuring consistent levels of security over their 35 significant remote sites throughout the North East and South East of England, as well as ensuring better visibility of any threats to these sites. Previously Northumbrian Water had a number of different devices and systems from different manufactures that they wanted to integrate into one centralised system in order to maximize their previous investment and increase monitoring and control.

Over the years NWG have been refreshing and updating their systems and equipment. In 2010 they did a complete network upgrade which for the first time allowed them to physically connect to the cameras and alarms over the high speed network instead of using the original dial up connections. In 2015 they completely refreshed their core control room to become the central hub for Datalog. Over the years they have also upgraded and replaced legacy technology such as cameras and alarm systems. By implementing Datalog, NWG has been able to maintain business as usual operations whilst going through a number of different operational changes to the sites, equipment and control rooms.

The Solution

NWG have been using Datalog for over 20 years and started with Datalog 2 in 1994 through to Datalog 5. Recently they have further enhanced the management of their CCTV camera systems with Datalog MV.

Datalog has allowed Northumbrian Water to create a centralised command and control room solution to integrate their entire high security infrastructure regardless of location. Management and control of events, alarms and incidents becomes much easier providing better situational awareness and a consistent level of security across all sites.

The Benefits

Datalog provides the user with the flexibility to monitor and control any of their 500 cameras or 2600 alarm points from any one workstation at any time. Datalog enables the user to view both live and pre and post event recorded images of any incidents that may occur on any of the 35 sites, resulting in an increased level of verification.

The Future

In the long term, Northumbrian Water will see increased functionally and further efficiencies. The architecture of Datalog will allow for any new or emerging technologies to be added to the system, as and when the need occurs.

NORTHUMBRIAN WATER *living water*

Brookhouse Farm | Withers Lane | High Legh | Knutsford | Cheshire | WA16 0SG
t: +44 (0) 1925 750 600   e: info@cortech.co.uk   w: www.cortech.co.uk

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