

business stream

A SCOTTISH WATER COMPANY



case studies

DEUCHARS

Naturally brilliant

Getting a bird's eye view

Aerial photography saves Caledonian Brewery time and money

When Caledonian Brewery was looking to understand their underground water network and drainage lines, they turned to Business Stream and ended up with more than they bargained for. Business Stream conducted a full onsite survey, including innovative aerial photography, giving Caledonian Brewery a complete picture of their assets and network. This invaluable information enabled the brewery to have a single view of their site and their assets giving them the information they needed to better manage their

network. Now, should any problems occur, they'll be able to target the affected area more quickly and effectively than ever before, reducing the risk to production.

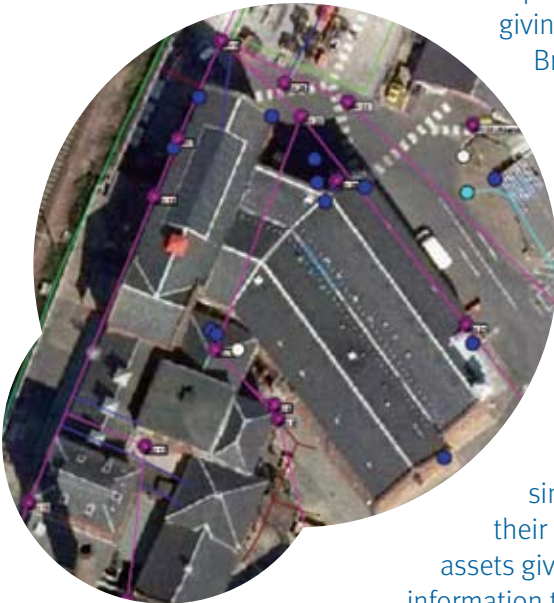
Business requirements

Originally opened in 1869, Caledonian Brewery's site has been in the same location for over 140 years and still uses open direct fired coppers to produce the distinctive and deliciously refreshing Deuchars IPA the brewery has become famous for. Like many sites that have grown and developed over time, Caledonian Brewery did not have a comprehensive view of their underground network and drainage lines. They needed the location and details of their assets, so that they could quickly and easily access specific areas to resolve any issues, at any time. Without this information, they faced major risks to their production, should any problems with their network occur.

Solutions

To map out Caledonian Brewery's assets, Business Stream carried out a topographical survey on the site. This includes a physical survey with GPS data collection, ground penetrating radar (GPR) and CCTV. These services collectively generated a pictorial representation of the visual assets on the site (+/- 20 mm accuracy).

Business Stream then combined this with aerial photography to get a complete view of the site. This gives an effective, user-friendly map, giving quick and easy recognition of all assets and understanding of the network. Asset data can also be embedded into the map, including detailed photographs, condition data and dimensions. Any data attribute can be incorporated into the mapping. The final solution is an interactive map of the site showing the network and the assets. Users can then select an asset to drill down into the specific detail of that asset.



This solution has provided Caledonian Brewery with one asset recording system that's specific to their site, helping them to better understand and manage their network.

The interactive asset register is then maintained for the life of the site. This register can also generate bespoke reports letting users to unlock the invaluable site data. The topographical format also allows historical information to be stored in an accessible and meaningful manner. This technique can also be used to map all other underground services, such as gas and electricity.

Business benefits

By mapping and recoding the assets in their network, Business Stream gave Caledonian Brewery the data to better manage their site in the future. By combining a traditional topographic survey with innovative aerial photography, Business Stream provided the Brewery with better detail than a more common CAD solution. The information will let them identify and improve areas of risk, whilst allowing them to respond to issues quickly and effectively.

The solution provides an excellent cornerstone for the future development of the site and will enable any change to the site to be clearly understood and managed. By working in partnership with Caledonian Brewery, Business Stream has given them a complete view of their water asset data saving them time and money when managing their site.

Contact information

To find out how we can make water work for you, please get in touch.

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Craig Yardley
Engineering Manager,
Caledonian Brewery

'At Caledonian Brewery we are keen to understand and manage our infrastructure. Business Stream exceeded our expectations. Their knowledge and expertise coupled with innovative technology has helped us understand our site whilst enabling us to reduce and manage any risk. We can see at a glance where all our underground services are. I would recommend Business Stream to any organisation who wants to manage their assets – not only water but all services – to save future time, money and effort.'