aalberts hydronic flow control

automatic 'mission critical' alert saves pharmaceutical plant from system shut down

Flamconnect remote service was able to stop a long-term closure by detecting and alerting Flamco of a 250 litre/per hour leak malfunction

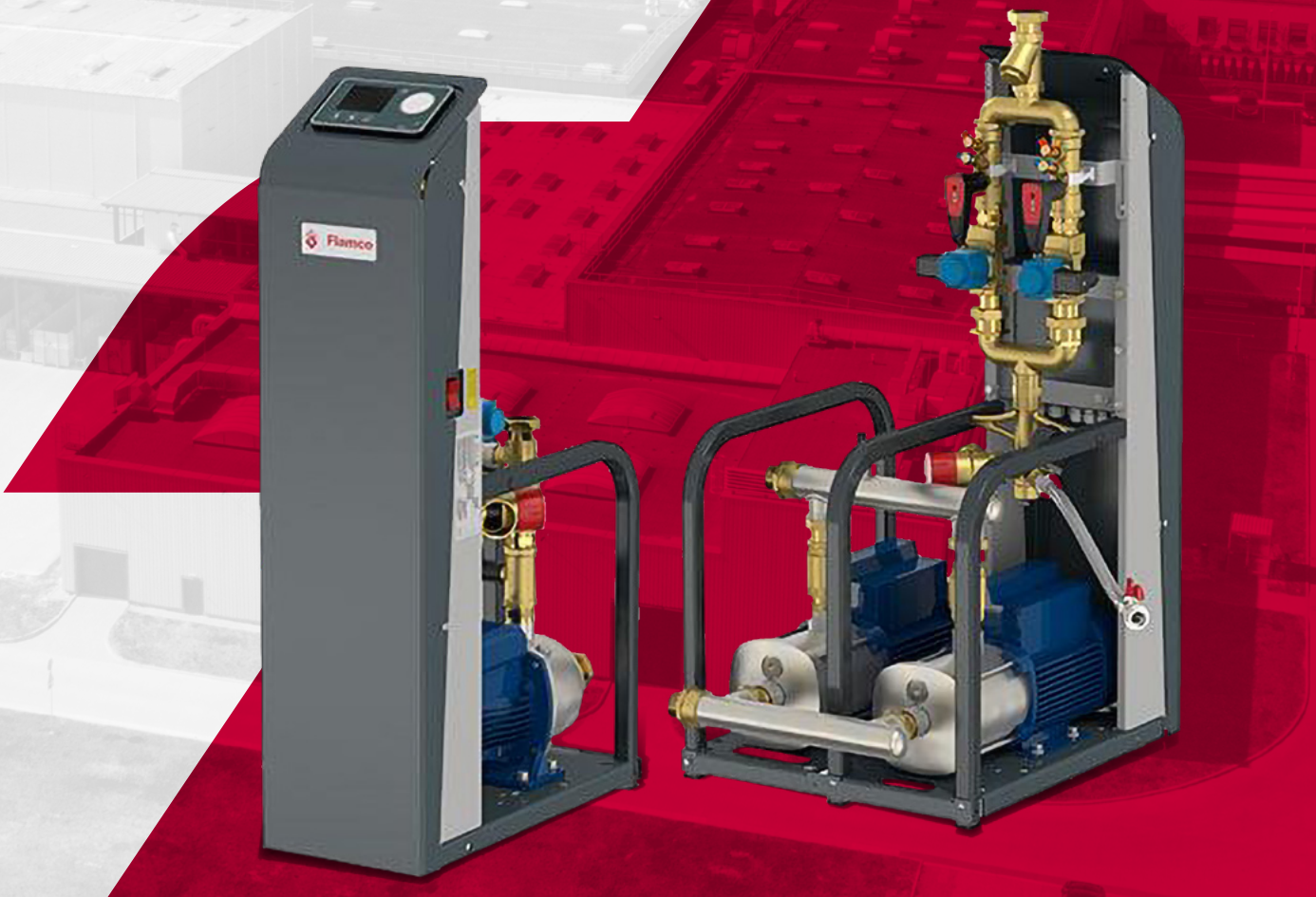
watch the Flamconnect remote service in action ›

Flamco

the customer

A multinational pharmaceutical company's plant in Dublin which produces generic and prescription drugs and is also a frontrunner in developing a vaccine for the Covid-19 pandemic. The Dublin unit was established in 2016, which is part of a world-leading protein drug discovery unit within the company's worldwide research and development department. The plant uses two Flamcomat M10 pumpsets with 2x1000 litre vessels in its heating infrastructure.

The Flamcomat is a modern, pump-driven pressurisation unit. It's sophisticated construction incorporates important functions into one compact unit.



the challenge/situation

The beginning of the worldwide response to the Covid-19 pandemic was imposition of lockdowns by national governments. In order to keep businesses running, a shift towards remote working and solutions had become the trend. During this time, there appeared to be a suspected fault in the two Flamcomat dynamic pressure maintenance automats running on the Dublin plant. Although this required immediate attention, in-person meetings and contact was still prohibited, due to increasing Covid-19 infections. The technical experts at Flamco had to deploy an alternative and innovative digital solution.

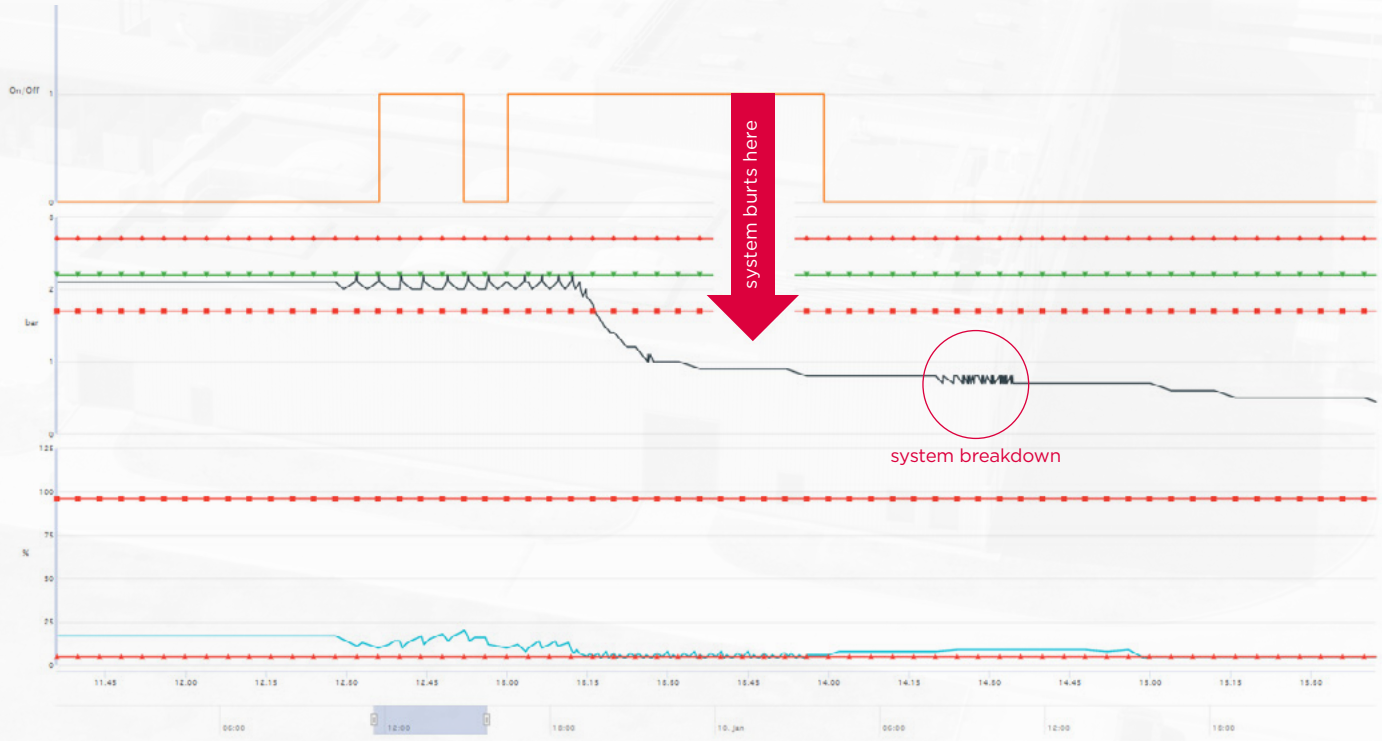
The Flamconnect remote service was offered for a limited period. The aim was to capture real-time telemetry of the two sets running in a duty/assist arrangement to validate the effectiveness of the Flamcomat products. The Flamconnect remote service supplied tangible data, and also helped our technical director diagnose the situation. He was able to guide local engineers to make adjustments and enhancements through video support.

However, before the Flamconnect remote service device was due to be returned, a major malfunction was detected in another part of the factory. The noticed leak was large enough to cause the loss of 6,000 litres of water per day. If remained undetected this would have caused a critical stop of the manufacturing process and adversely affected the integrity of the system fluid, with large amounts of fresh water being added to the heating units.

the solution

Before the ‘mission critical’ alert was issued, a pipe within the heating system had burst causing the loss of 1,000 litres every four hours. If this continued, the integrity of the system fluid could have been compromised. This could have further led to the imminent shut down of operations at the plant.

Flamcomats with pump units are used for storage of expansion water, deaeration and topping up your installation automatically as an integrated controlled unit carried out with state of the art micro-electronics.



Flamco

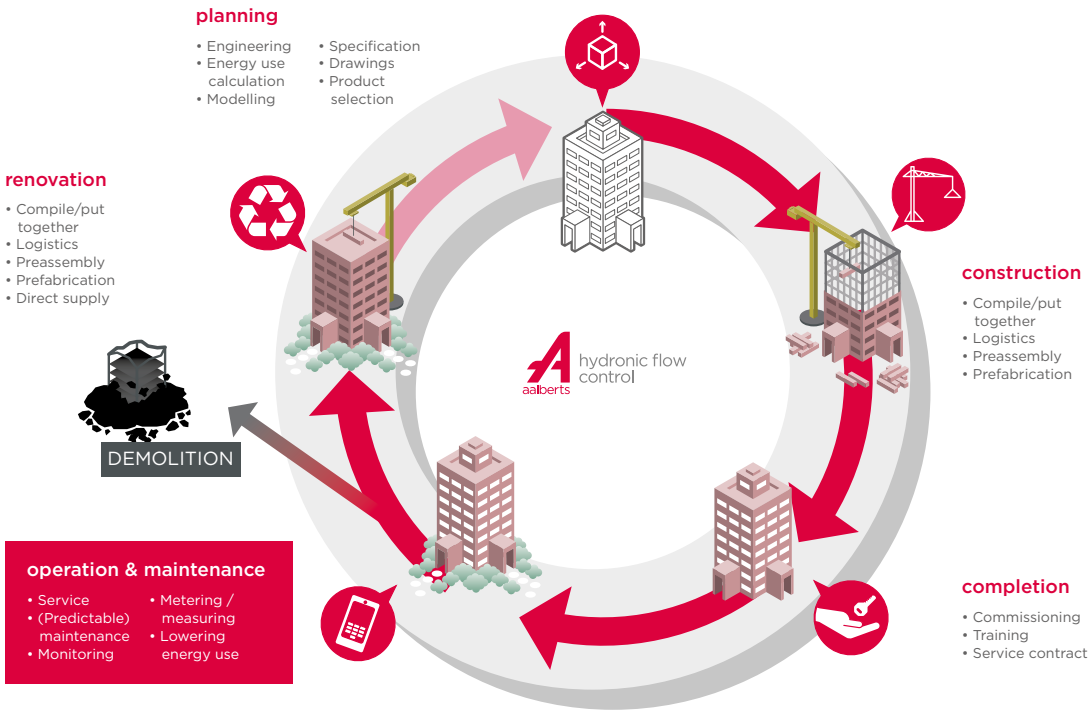
The Flamconnect remote service played a vital role by communicating the critical fault to the Flamco team who then immediately informed the pharmaceutical building owner of the threat to their infrastructure before it could come to a critical stop. Since it was in an unmanned part of the factory, it could have gone unnoticed for days, if not connected to the Flamconnect remote service and the alert raised.

the way forward

The promptness of the Flamconnect remote service and the role it played in addressing faults at a critical point, drove the pharmaceutical giant's Dublin plant to sign up for the service for three years. Within the first two months, the Flamconnect remote service had paid for itself. Since standard heating systems come with a guarantee of two years, the three-year service adds an extra layer of protection not just for the Flamcomat vessels but the plant at large. Automatic alerts through Flamconnect for servicing and repairs, along with operational telemetry equips the pharmaceutical manufacturer to focus on critical tasks when necessary.

we are at the heart of every great building

Reach out to us to know how we can help you at each stage



get in touch with us for a demo

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