



Stonbury was asked to provide a solution that would shield two above-ground steel tanks from the summer heat. The works were required as the temperature during the summer months was promoting the growth of bacteria inside the water tanks.

Following discussions between the client and the Stonbury delivery team, it was decided that the best solution would be to install external cladding around both tanks. This would deflect the heat and reduce the risk of bacterial growth which would require higher levels of disinfectant to control, and therefore mitigate the creation of by-products such as Trihalomethanes.

Purpose-built scaffolding was installed around both circular tanks and once inspected and approved for use, the tanks were cleaned with a high-pressure water jetter to remove any existing debris and algae.

Once the preparation works were complete, the team installed low emissivity foil faced insulation board around the external walls of both steel tanks.

The boards were then secured into place with the use of upright galvanised steel supports which were strapped to the tank to remove any welding requirements.

Coated steel sheets were installed over the top of the insulation boards and securely fastened to the steel supports. Profiled steel flashings were then used to finish the cladding panels, preventing water ingress and protecting the insulation.

Whilst the scaffolding was in place, the team also carried out repair works to some damaged areas of the existing coating which were identified during an inspection.

The scaffolding was dismantled, and the asset was handed back to the client to be returned to service. The works carried out were extremely successful and have resulted in the opportunity to quote the same scope at another site to two substantially larger tanks.