

Project portfolio

DSW provide specialist water hygiene, treatment and engineering services to hotels, hospitals, facilities management, leisure and industrial clients nationwide.

DSW is a family-owned and run water treatment and engineering company with in-house water treatment and engineering departments.

The management team has over 50 years worth of experience in an array of industry disciplines and specialises in large projects.



DSW are unique – we have 3 Divisions that are all in house and all in sync.

Water Hygiene

Including tasks such as Legionella risk assessments, sampling and HSG 274/ACOP L8 monitoring tasks.

Engineering

Including tasks such as disinfection/chlorination works, closed systems, cooling towers, chemical treatment plants and swimming pools.

Water Treatment

Including tasks such as installation of cold-water storage tanks/remedial works, re lining of cold-water storage tanks, overhaul of hot water systems.



Issue – Sports centre for Royal automobile club running out of water. Limited install space, due to listed building and protected tree.

Solution – New GRP tank - Maximise working capacity using modified inlet valves and warning/OF pipes.



Specification – Supply and install on 3m x 2m X 2m tank with maintenance division.



Issue

Poor access due to overhead restrictions and a GRP tank being installed within an old steel tank.

Pipework not equal on outlets creating stagnation and high cold temperatures.



Solution

Remove Old Steel
Install GRP tank.

Lay new steels and reconfigure pipework to ensure balanced header.

Specification – Supply and install 1 times 3m X 2m x 1.5m sectional GRP tank with equal header on outlets

Issue - No break tank – property running off of mains directly. No softening of water creating significant scaling issues in hot and cold water systems. Significant Legionella issues systemwide in hot and cold. Hot and cold systems not balanced.





Solution

Supply and install break tank allowing blended softening and chemical treatment of hot and cold. Install duty, standby and assist pump set to allow balancing of systems.

Specification

Supply and install 1 times 28,000 litre CWST.
Supply and install of Duplex base exchange water softener with intelligent controller.
Supply and install of crossflow silver peroxide dosing. Supply and install of duty, assist and stand by pump set.



Issue

Leaking concrete fire sprinkler tank.

Tank heavily contaminated due to failed Butyl Liner and non-compliant roof materials.



Solution

Remove butyl liner and non-compliant roof materials.

Prepare surfaces, render surfaces apply waterproof coating. Cure, apply second coat, chlorinate tank and re-commission.



Issue

Twin pump set with 1 failed pump and seals failing on other pump.

Low pressure to roof tanks for filling. Pumps taking up space in unused chemical store.

Obsolete booster set with fixed speed and failing controls. Old failed pump creating dead leg.



Solution

Remove old pump set. Supply and install new and efficient ie. 5 motors, inverter controlled.

Utilise small alcove area to rear of chemical store, freeing up storage space.

Pipework reconfigured to bypass redundant pump set, removing dead leg.

“Your team are always very polite on site and feedback from our customers is great.”



John Powis
Nicholson Plastics

“I would like to express my thanks to DSW for providing an excellent service when completing chilled water system flushing and dosing.”



Gerhard Bernard
Royal Automobile Club – Pall Mall

“The experienced, enthusiastic and customer-focused team always find the most cost-effective solutions while being efficient and maintaining the highest quality.”



The Cavendish
London

Chief Engineer
The Cavendish Hotel





CHAMPNEYS
HEALTH SPA



THE LANGHAM
LONDON



AN *d* AZ | LONDON
LIVERPOOL STREET



CLIVEDEN


DORSETT
CITY, LONDON



THE LANESBOROUGH
LONDON

SOFITEL
LUXURY HOTELS



THE LYGON ARMS

CHEWTON GLEN



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