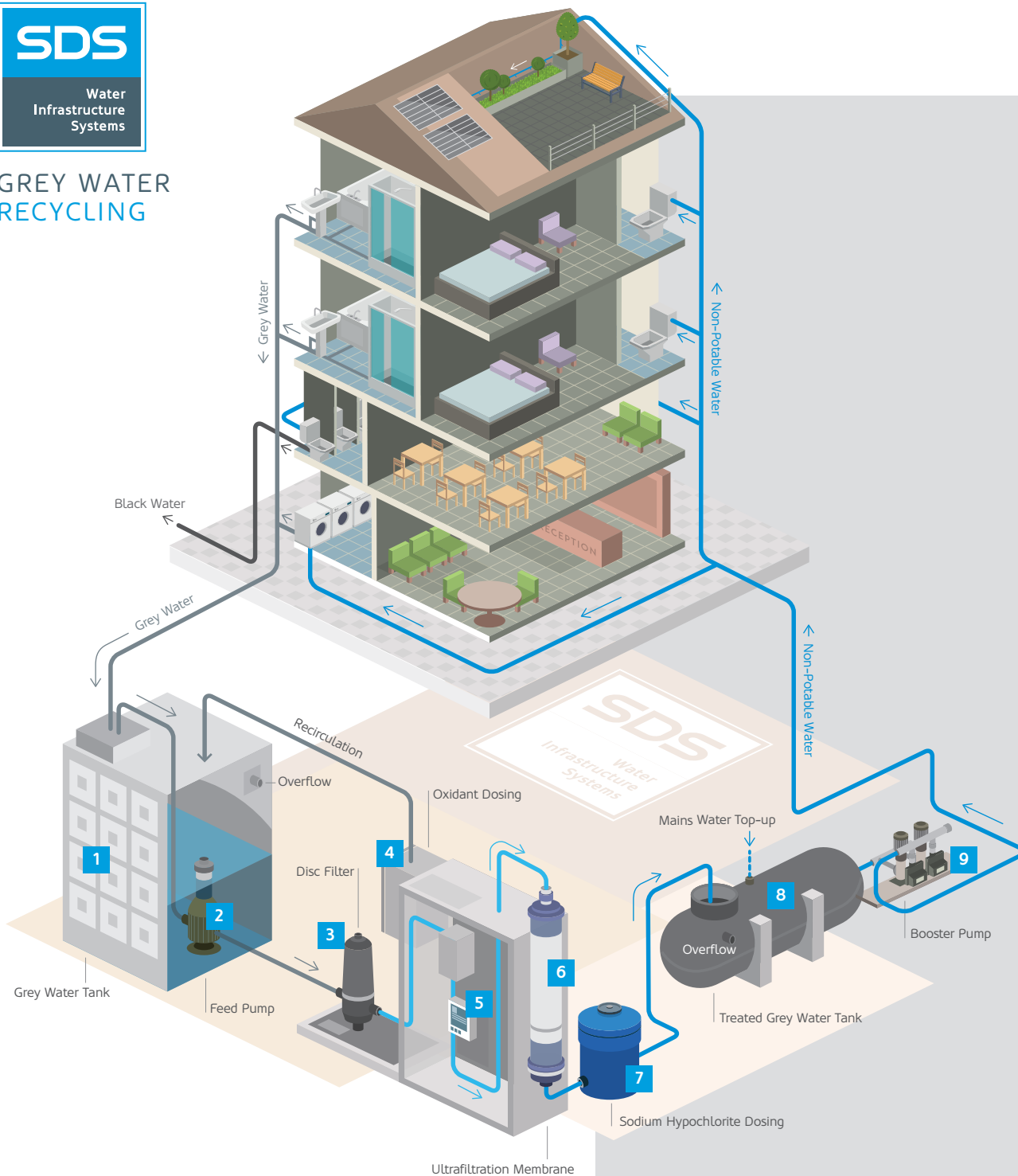


GREY WATER RECYCLING



SDS GREY WATER RECYCLING SYSTEM

- 1 GREY WATER TANK** - Storage can be minimised on high yield projects where space is at a premium.
- 2 MACERATOR FEED PUMP** - Provides a controlled supply of water to the filtration process.
- 3 DISC FILTER** - Self-cleaning with automated air-assisted backwash; progressively finer filters remove particulates suspended in grey water that are >20 microns in size.
- 4 OXIDANT DOSING** - Oxygen added to the water prior to its recirculation helps to prevent the build-up of bacteria in the grey water collection tank.
- 5 CONTROL PANEL** - Visualises plant state and facilitates manual adjustment of settings; can be integrated into building management system (BMS).
- 6 ULTRAFILTRATION MEMBRANE** - Hollow-fibre membranes filter down to 0.08 μm , providing a mechanical form of disinfection from waterborne viruses and bacteria.
- 7 SODIUM HYPOCHLORITE DOSING** - Ensures chlorine levels within treated grey water are safe and comparable to mains water.
- 8 TREATED GREY WATER TANK** - A back-up mains water feed to the tank ensures seamless water supply.
- 9 BOOSTER PUMP** - Twin pumps typically specified but variable according to different demand situations.