



BERMAD Buildings & Construction

Water Control Solutions in a Mixed Use Building

Water Control Solutions



In the Core of a Successful Project Runs a Smart Design

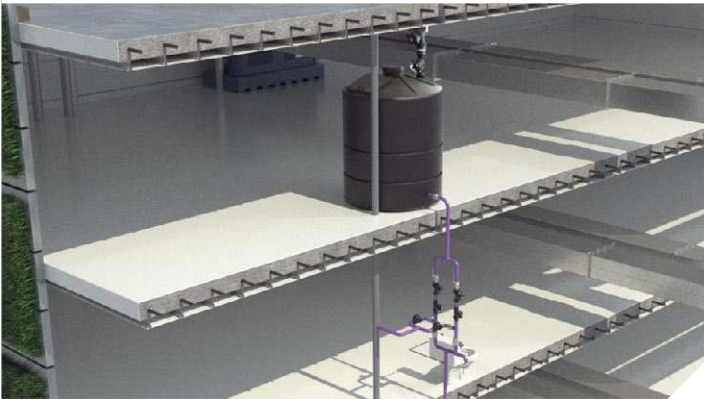
Open the brochure to view BERMAD's Water Control Solutions





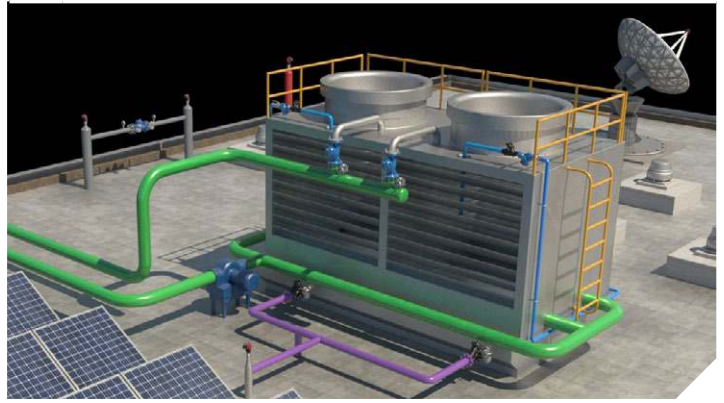
Shopping Center

1 Recycled Water System



Treated Recycled water for sanitation use - using cooling towers water for toilet flushing, floors washing and irrigation.

2 Cooling Towers - HVAC System



Cooling towers system - Control Valves for Make-Up water, Balancing and Controlled Bleeding.

3 Vertical Irrigation



Vertical Irrigation Valves array - utilizing condensate from the cooling towers the system provides regulated pressure and complete control of irrigation in multiple pressure zones.

4 Chiller Room - HVAC System



Chillers machine room, individual Chiller Flow & shut off Control, Energy measurement. Balancing between Supply and Return by pressure differential control at end of circulating lines (roof top). Cooling Towers return line flow balance.

5 Pressure Reducing System - Fire Protection



Fire Protection Pressure Reducing system for lower floors in a commercial complex incorporating fail-safe redundancy and pressure relief.

6 Pump Station - Fire Protection System

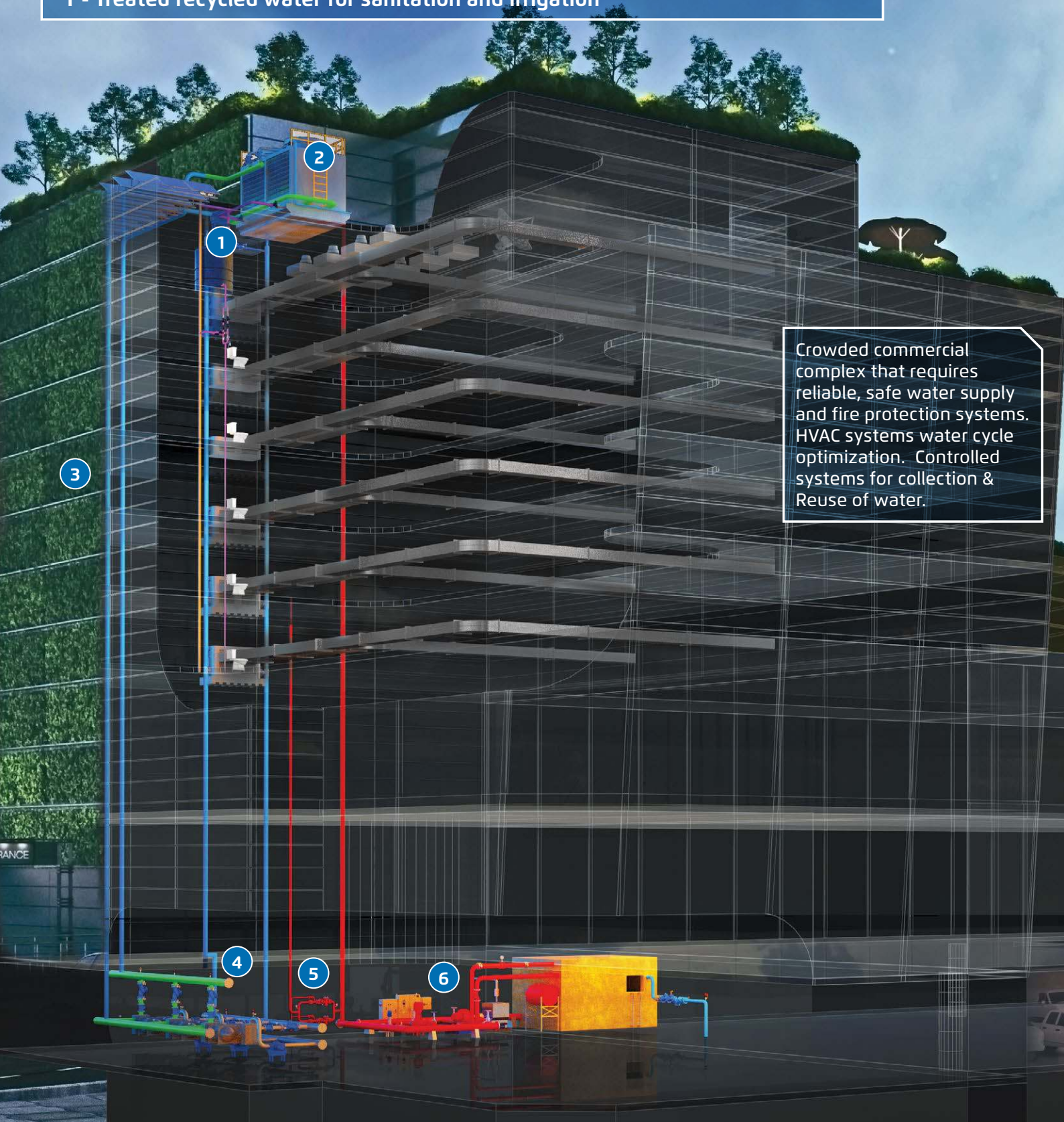


Basement pump room - Reservoir level control with overflow protection, fire protection pumps system with pressure relief valves optional for direct pumping - Suction Control.

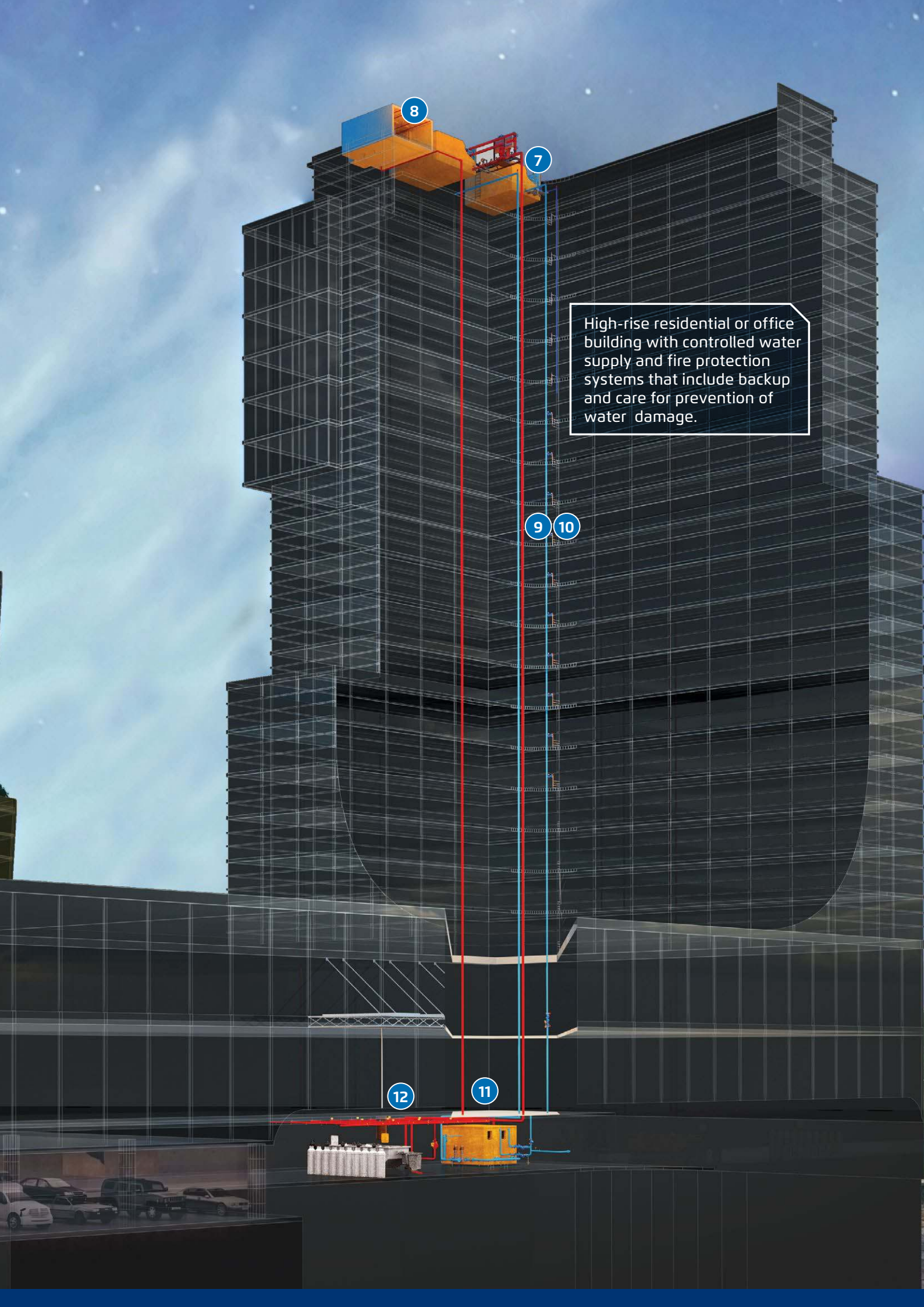
Standout products with a committed professional team behind it.

BERMAD Control valves & support systems provide safe, un-interrupted and hygienic water supply solutions in:

- P - Potable Water – Level and pressure control**
- F - Fire protection – Pressure & Deluge applications**
- E - Energy/HVAC - Main lines independent Balancing and flow control**
- T - Treated recycled water for sanitation and irrigation**



Crowded commercial complex that requires reliable, safe water supply and fire protection systems. HVAC systems water cycle optimization. Controlled systems for collection & Reuse of water.



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High-rise residential or office building with controlled water supply and fire protection systems that include backup and care for prevention of water damage.

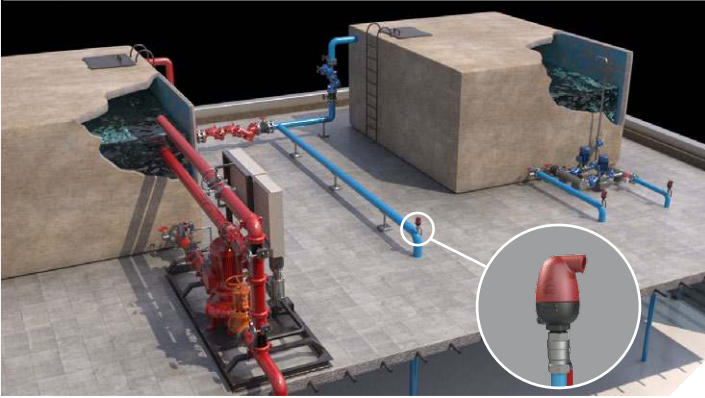
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7 Roof Top Reservoir & Pump Station



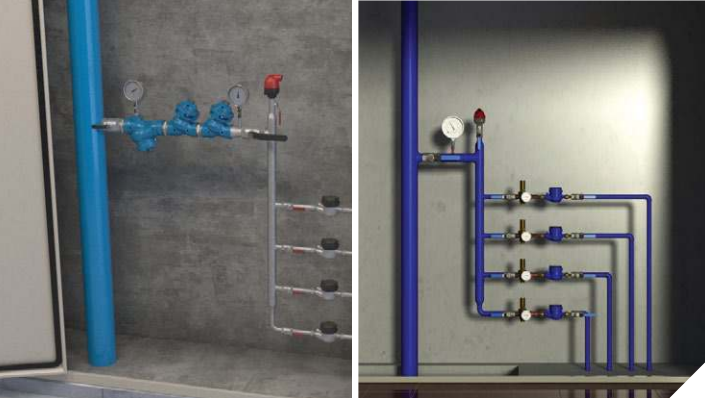
Roof-top Potable Water and Fire Protection reservoirs, Level Control with Backup and Overflow Protection systems, Pumps Station for upper floors boost, Pressure Relief valves.

8 Pre-Action in Elevator; Technical Room



Fire Protection System for elevator machine room, Pre-Action System, Protection with minimal water damage risk.

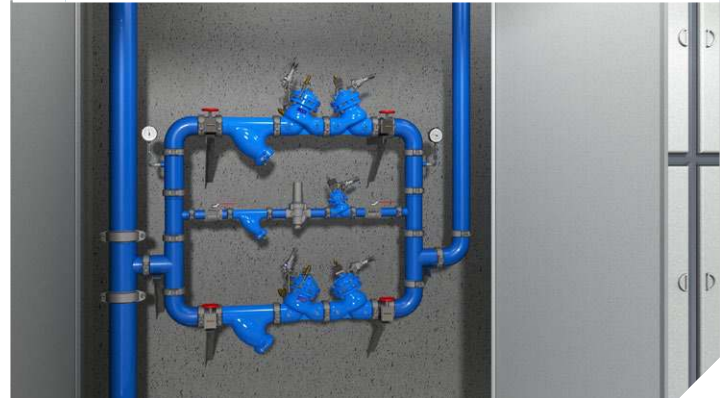
9 On-Floor PRV System



On Floor system supply, secured Pressure Reducing System for Potable water.

On Floor system supply, individual direct Pressure Reducing valve for Potable water.

10 On-Floor PRV System



Potable Water Multi Zone Supply PRV Station with redundancy back-up branch and secured excessive pressure emergency valve – High pressure protection with no water discharge.

11 Basement Reservoir - Potable Water



Basement Pump Room, Potable water Reservoir Filling and Level Control System, Pump-Control valves and Active Check valves for Surge prevention, Pressure Relief valve.

12 High Risk Area - Deluge System



Deluge Systems for fire outburst prevention and isolation in high risk flammable area.



Visit our website for more information

Contact **BERMAD** for application optimization of any water control system.



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