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SMART BATHROOM DESIGN - CONNECTIVITY, INSIGHT & SUSTAINABILITY



1. List the eight practical goals of Universal Design

Body Fit, Comfort, Awareness, Understanding, Wellness, Social integration, Personalization, Cultural appropriateness

2. Name the three main behavioural changes in commercial bathrooms that can improve sustainability.

Increases in use of the half flush option in toilets; increased use of urinals in male bathrooms; Shorter shower times.

3. What behavioural insights can data provided by Smart Tapware provide?

Information concerning hand washing duration, estimates of hand washing compliance (i.e. how often bathroom users are washing their hands after using toilets or urinals), and the amount of water being used by the fitting in question.

4. Explain how the layout of bathrooms in commercial settings can improve hygiene.

By positioning the tapware in such a way that those using toilets or urinals have to pass them on their way to the exit, it is possible to improve hand washing compliance and hygiene.

5. Compared to toilets, how much water does the use of urinals save?

On average, urinals use 3.7 litres less water per flush than standard toilets.

6. Explain how the layout of male bathrooms can change behaviour and therefore save water.

Locating urinals in male bathrooms prominently, close to tapware encourages their use. Because they use less water than toilets, this saves water.