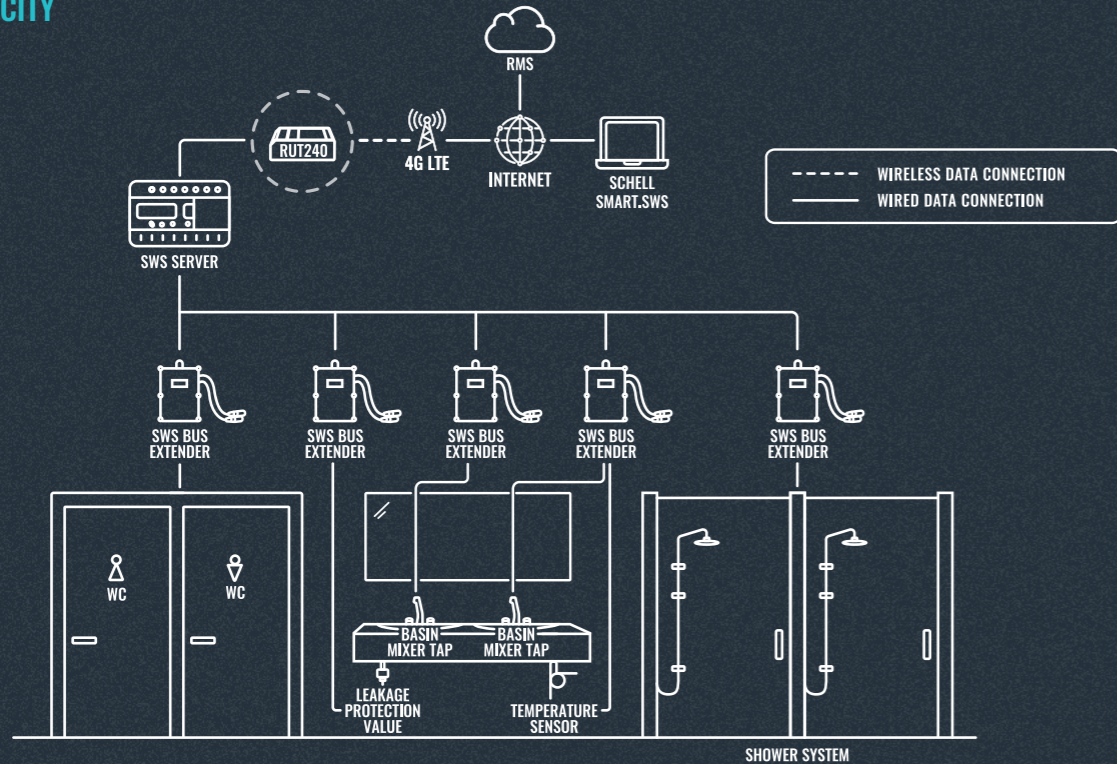


REMOTELY MONITORED WATER MANAGEMENT SYSTEM

// SMART CITY



// CHALLENGE

Ensuring the hygiene of water and optimizing its use is not an easy task, especially in large properties with multiple sanitary units. The question is, how is it possible to warrant that the water systems are operating hygienically? And what is the best way of detecting any problems and required maintenance work productively and economically? Large structures require automation and remote management system to be monitored efficiently.

// SOLUTION

SCHELL SWS is the first water management system offering intelligent networking and control for fittings using Teltonika Networks RUT240 cellular router. The system can control SCHELL electronic washbasin, shower, WC, and urinal fittings. Installations connect into a network with the corresponding bus extenders, allowing up to 64 subscribers. Gateways integrate this system into the existing building automation system, where RUT240 provides unbreakable network connectivity with auto-failover for backup. This device is perfect for the solution because of connection reliability, compact size, simple integration, and support of various industrial networking protocols for secure data transfer. The centrally controlled system maintains water quality in large buildings via fittings and sensors. Operating parameters, like temperatures, or the start and end of a stagnation flush, can be read and evaluated using a data protocol.

SMART.SWS ensures that users across buildings always have an eye on the systems. Via remote access, it is possible to learn about the water consumption or the status of the intended operation at any time. Besides, with the help of a unified control system, it is possible to remotely set up the antibacterial high-temperature flush at a preferable time, or turn-off the water supply outside specific hours altogether. In summary, the online service enables uncomplicated, fast, and location-independent management and resource optimization.

// BENEFITS

Efficiency - data-driven automation ensures the highest possible water hygiene, automated optimal flushing, and centrally controlled thermal disinfection.

Reduced costs - come as a result of energetic and economic optimization through targeted control of water volumes.

Remote management - central control of multiple objects and parameters from any location.

Plug-n-play - the system comes with all the necessary components enabling quick integration and preventing incorrect orders.



 SCHELL

