

Aclara STAR® ZoneScan

LEAK-DETECTION SYSTEM

Find and fix leaks fast with the Aclara STAR ZoneScan leak detection system. The industry's only remotely correlated acoustic leak-detection system cost-effectively identifies small leaks before they become major problems.

The STAR ZoneScan solution combines the fixed STAR Network system with leak-detection technology from Gutermann International. The system checks and analyzes noise characteristics on water lines at regularly scheduled intervals.

Acoustic samples from each ZoneScan unit are collected by an Aclara meter transmitter, located in the pit lid, and then transferred to the utility via the network's 450- to 470-MHz radio-frequency signal. There, the STAR ZoneScan leak detection software correlates the data to pinpoint the location of leaks, enabling focused, efficient operation of water utility resources.



Each STAR ZoneScan system delivers

Hands-off approach

Performs automated data gathering with minimal attention by operators

Secure and reliable technology

Delivers accurate and reliable data through acoustic profiling

Installation options

Deploys permanently or temporarily, depending on the requirements of the utility

Conservation efforts

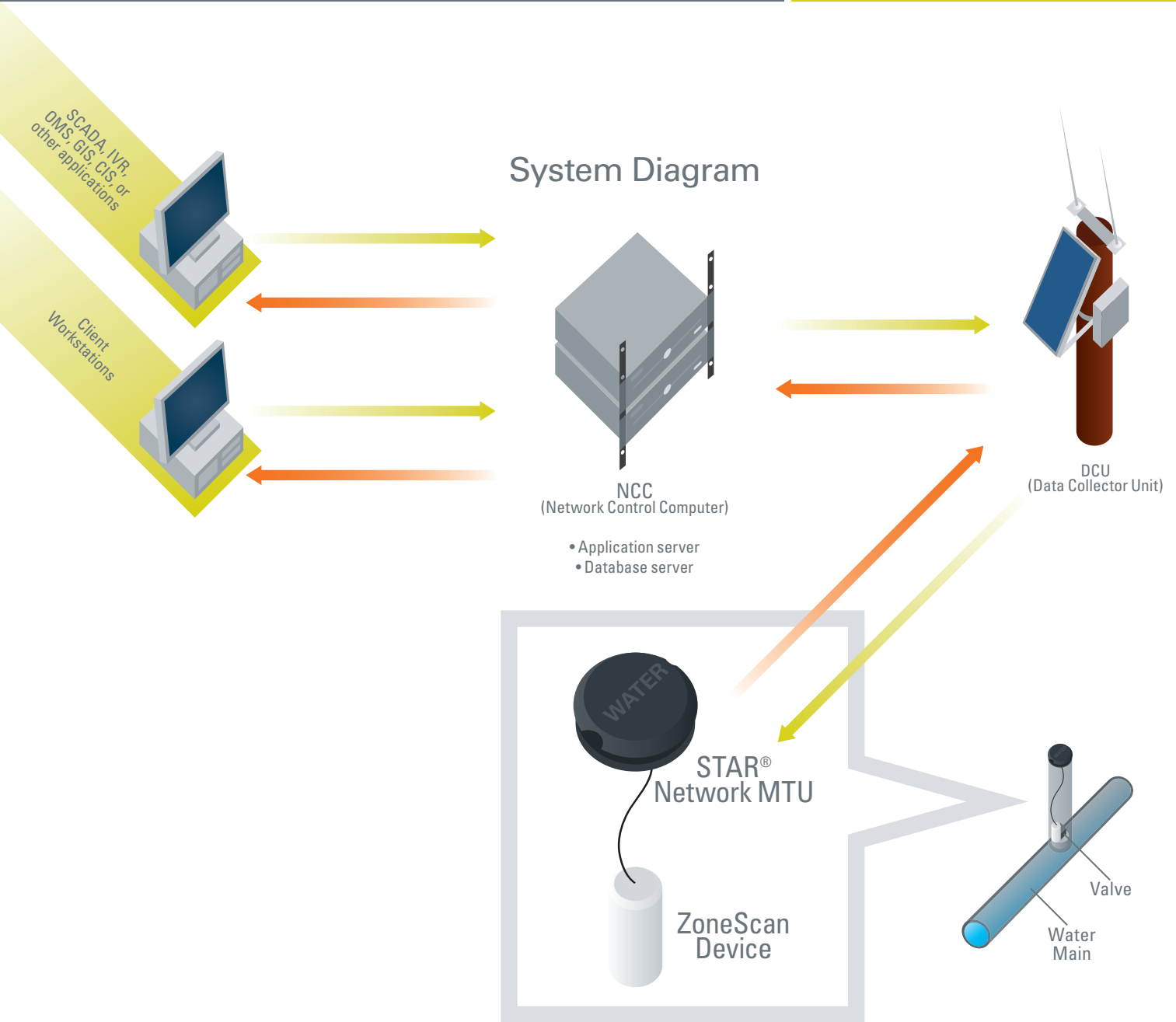
Assists in containing leaks and water loss in all areas

Environmentally sealed design

Prevents damage from elements such as snow and rain

Flexibility in pipe constructions

Works on metallic, plastic, concrete, and other non-metallic pipes



The self-powered, intelligent, leak-monitoring units are deployed throughout the water pipeline network at regular intervals. Leak-intelligence units attach to the valve spindles, and continuously monitor and analyze noise characteristics.