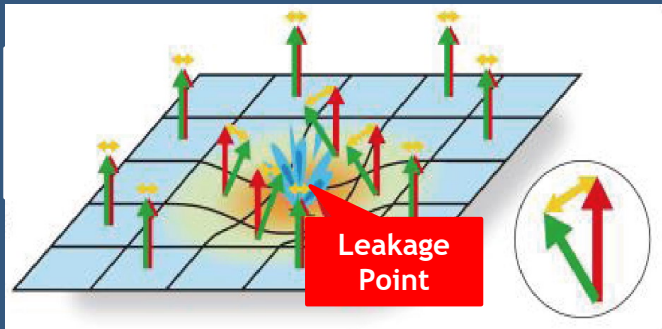



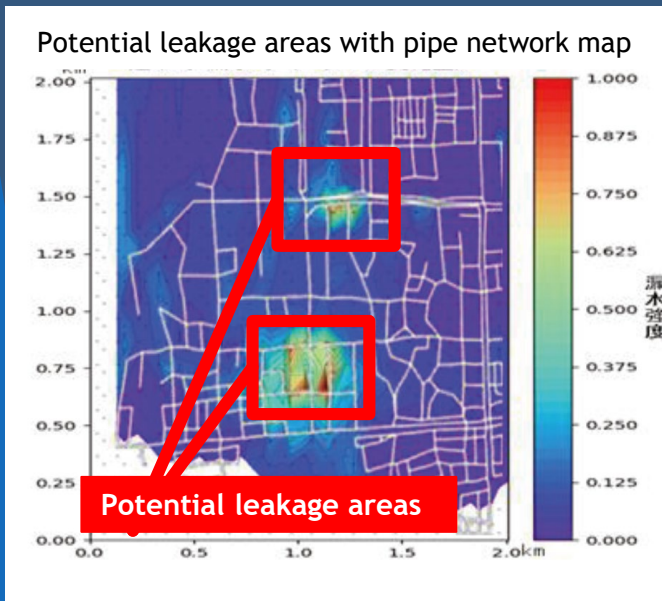




Water Leakage Detection System By using real-time water pressure data



-  A unit normal vector at basic
-  A unit normal vector at leakage
-  The amount of change in each normal vector



Our unique algorithm (patented) identifies potential leakage sites by using real-time water pressure data

● Societal problems in a water supply business and Leakage Detection System

Leakage from the water distribution network has caused a severe problem, which leads to a drop in revenue due to a low revenue water ratio and also hazardous leakage incidents such as road subsidence and so on.

That is why the prompt identification of the leakage and action are highly required. We have invented a system that can accurately identify potential water leakage sites in the distribution network by installing detection meters and transmission equipment and acquiring water pressure data in real-time.

● Features of our system

- By converting the change in pressure distribution between basic and leakage conditions into a Unit Normal Vector to evaluate it, our system can narrow down the range of leakage locations.
- Contour map visualizes the Unit Normal Vector Change to indicate potential leakage sites clearly on a pipe network map.

~ Technology in harmony with People and Nature ~