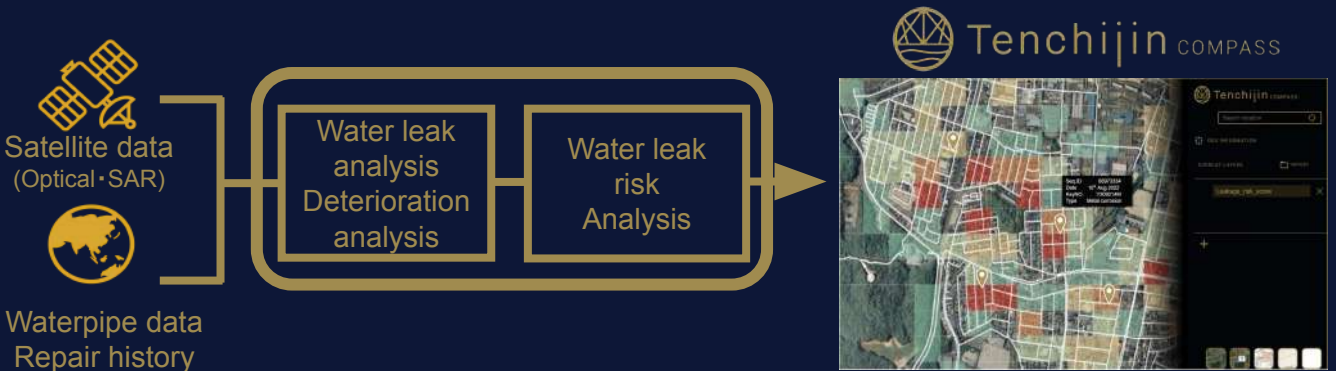# Tenchijin
SPACE TECHNOLOGIES

WATER MANAGEMENT

WATER LEAKAGE RISK MAP

The product visualizes the areas of high risk water leakage now and in the short-term future. It supports public and private water utilities reduce water leakage, non-revenue water and reduce their network inspection and maintenance time and cost.

60% reduction in sourcing costs

80% reduction in sourcing time

COMPASS aggregates and visualizes in one place city historical big data (land, weather, pipe network features, etc.). Its unique AI algorithm detects trends in weather, road, pipe history and calculates the risks of deterioration of water pipes. With a spatial resolution of 100m, it evaluates the water leakage risks in the entire water network, maps the locations of current future water leakages occurrences and speeds up your decision making process to increase the efficiency of your leakage sourcing processes.

Tenchijin COMPASS

Satellite data
(Optical・SAR)

Water leak analysis
Deterioration analysis

Water leak risk Analysis

Waterpipe data
Repair history

Tenchijin Inc.
Tokyo-headquartered start-up Tenchijin provides its AI powered "Land Evaluation Engine" COMPASS. COMPASS fuses and layers big data (weather, land, economy, society, etc) to evaluate worldwidelands' potential, risks and performances.

Website: https://tenchijin.co.jp   Contact: info@tenchijin.co.jp