

Nobel Systems: Driving Innovation & Quality

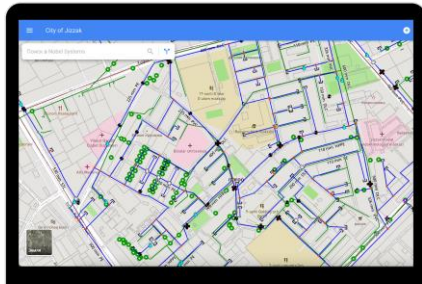
Pioneering innovative water
management and GIS
solutions

Seamless integration of
cutting-edge technology with
practical applications

Commitment to the highest
standards of quality and
reliability



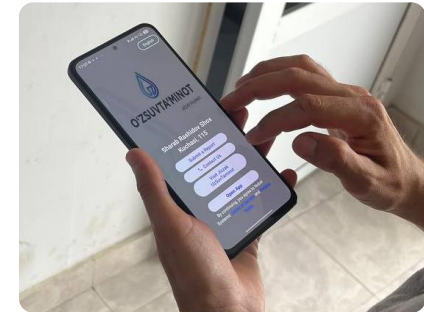
Started in ADB Smart Water Management Challenge – Uzbekistan



Through a Hackathon, ADB selected Nobel Systems to pilot smart water monitoring in Uzbekistan in 2020



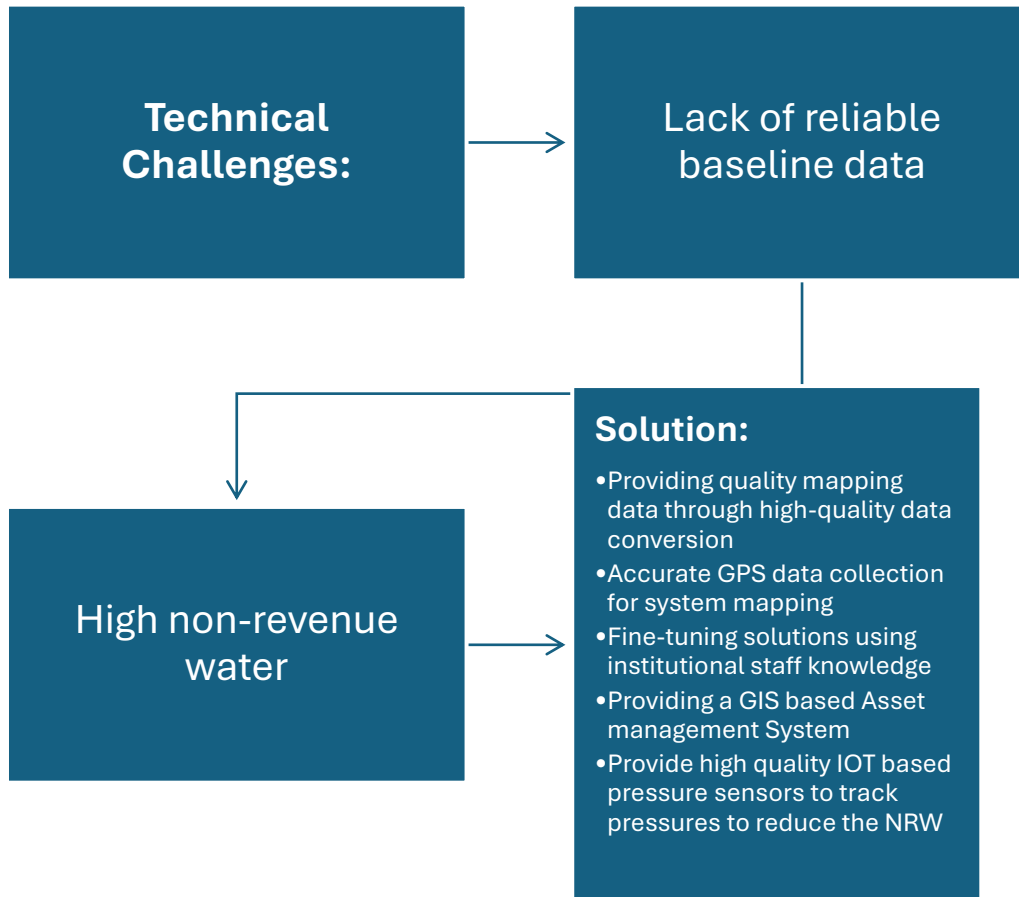
Subsequently, a grant from USTDA, Nobel Systems and UzSuvTa'minot deployed a Digital Twin Water System in Jizzakh, integrating GIS & Asset Management, IoT pressure monitoring, AI forecasting, hydraulic modeling, customer service app, and a real-time GIS-based Work Order System.



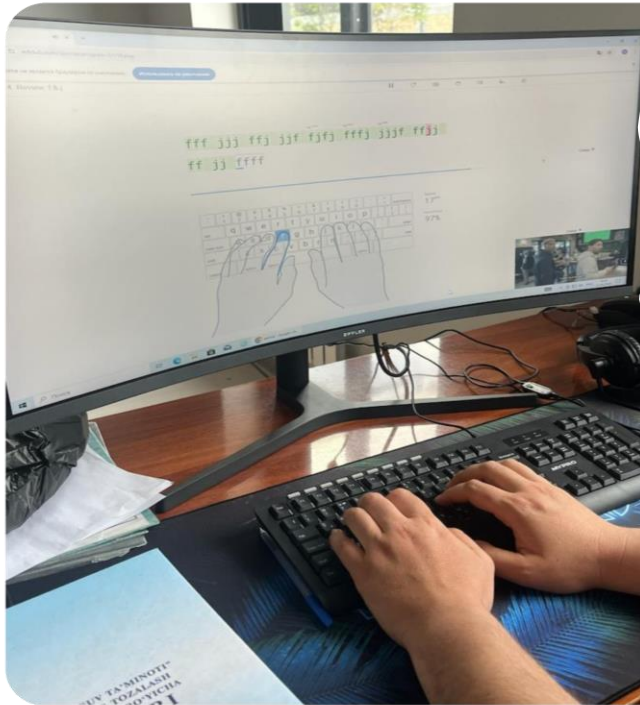
Full deployment of Smart Water Solution including:

- Centralized Dashboard for UST's Daily Operations and Management
- Sensors integration for real time remote monitoring
- Citizen engagement application for a more reliable public service

Jizzakh City Project – Challenges & Solutions



Jizzakh City Project – Challenges & Solutions



Human Challenges:

Limited knowledge in operating computers
Challenges using mobile software applications

Solution:

Consistent and on going training

Compliance Challenges:

Strict Uzbekistan regulations: No cloud hosting allowed – This is ongoing

Final Impact of Jizzakh City Project

The implementation provided a true digital transformation for the utility:

- Change in the mindset of the people
- Automated workflows for efficient operations
- Minimal chances of errors through accurate data
- Real-time monitoring and informed decision making
- Improved service delivery and performance management
- Establishing a sustainable, future-ready utility
- Citizen App



**Building on the success
of the Jizzakh City
project, ADB approved a
landmark \$125 million
Climate Smart Water
Project**

Aimed at scaling smart
water management
solutions across
Uzbekistan

Integrates digital
transformation,
automation, and
sustainability

Strengthens climate
resilience for utilities and
communities

