Sustainable Water Management for a Green University

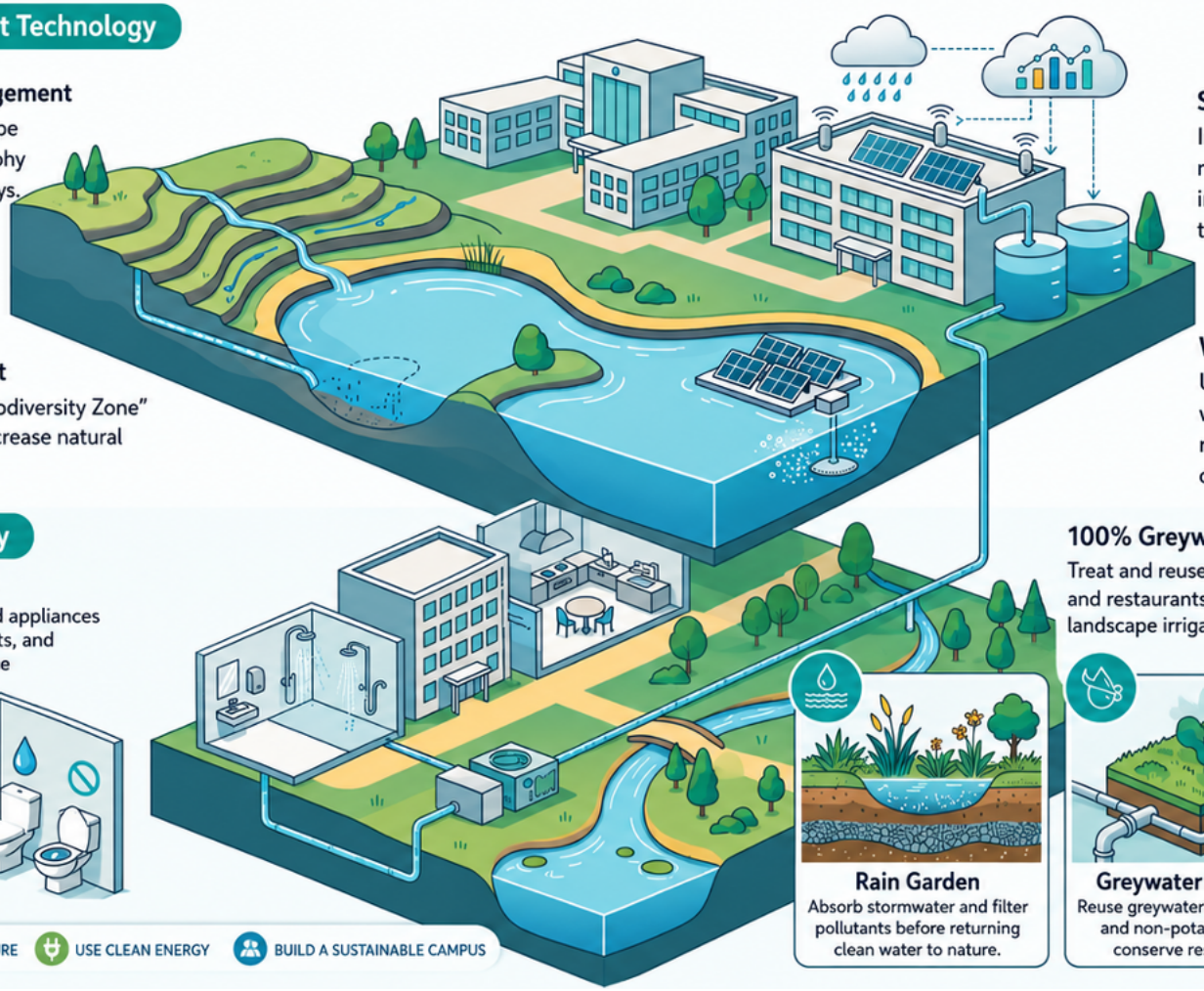
Infrastructure & Smart Technology

Topography-Based Management

Manage the campus landscape according to natural topography and preserve natural waterways.

Biodiversity Enhancement

Transform the area into a "Biodiversity Zone" to restore ecosystems and increase natural water retention.



Smart Water Monitoring

Install IoT sensors to continuously monitor water quality and quantity in real time for efficient and timely management.

Water-Energy Integration

Utilize solar energy to power water treatment systems and reduce carbon footprint of the university.

Policy & Sustainability

Water Reduction Measures

Install water-saving fixtures and appliances such as dual-flush toilets, faucets, and water-efficient systems to reduce overall water consumption.



100% Greywater Recycling

Treat and reuse greywater from buildings and restaurants for toilet flushing and landscape irrigation.

Rain Garden

Absorb stormwater and filter pollutants before returning clean water to nature.

Greywater System

Reuse greywater for irrigation and non-potable use to conserve resources.



Smart Dashboard

Visualize water data and performance in real time for better decision-making.

SAVE WATER · PROTECT NATURE · USE CLEAN ENERGY · BUILD A SUSTAINABLE CAMPUS