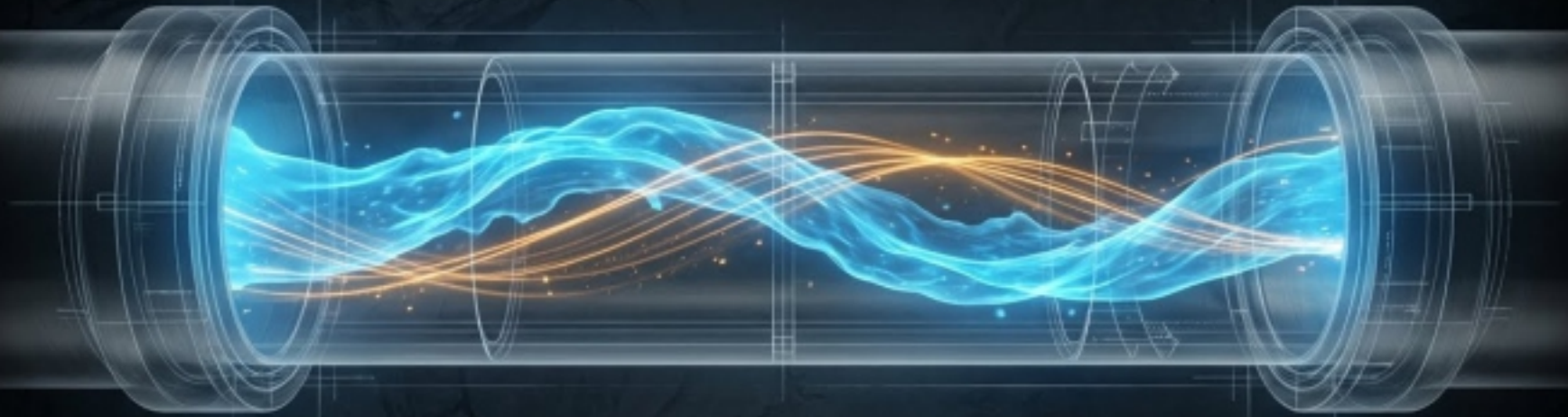
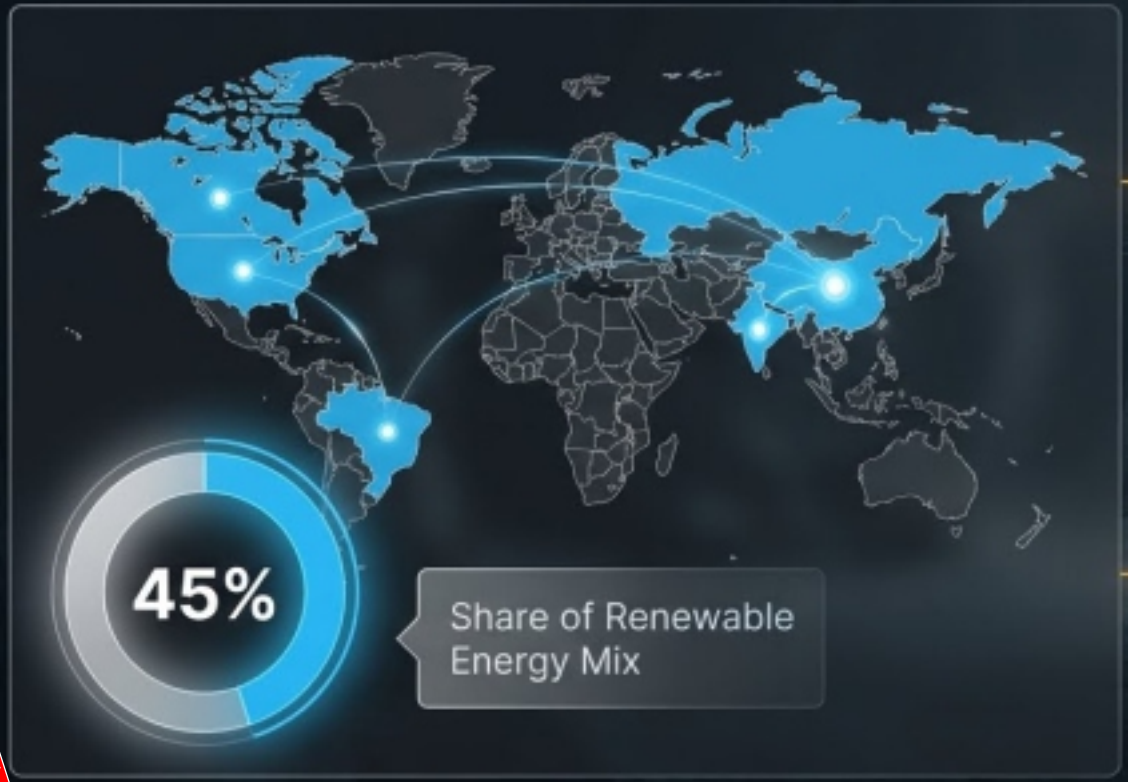
Illuminating the Flow



Unlocking the Hidden Renewable Power
in Existing Water Infrastructure

info@domistat.com

Hydropower: The Foundation of Global Renewable Energy



High Efficiency

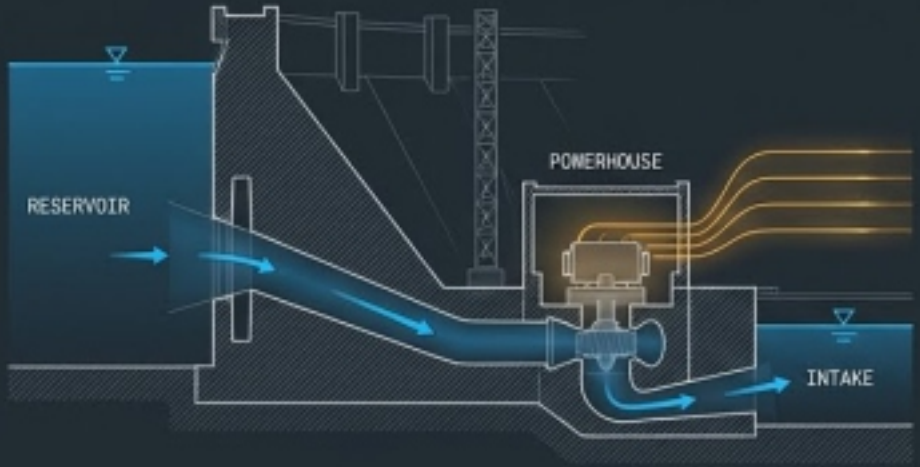
Up to 90% energy conversion efficiency, vastly outperforming solar or wind equivalents.

Grid Stability

Provides crucial baseload balancing for intermittent renewables, ensuring reliable global power supply.

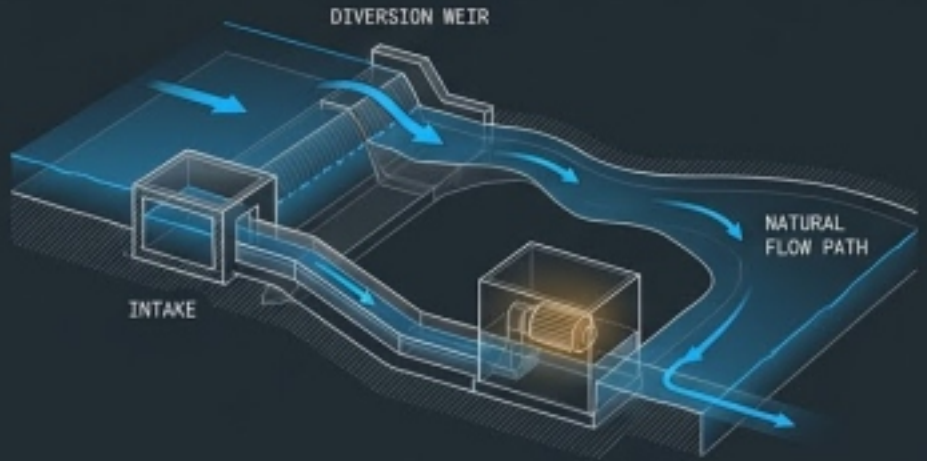
The Traditional Bottleneck: Massive Power, Massive Footprint

Storage / Reservoir Systems



Impacts:	High Ecological & Social Disruption
Civil Works:	Massive Construction
Cost:	Exceptionally High

Run-of-River Systems



Impacts:	Moderate Ecological Disruption
Dependency:	Strict Geographical Limits
Cost:	High

Traditional hydroelectricity requires adapting nature to our infrastructure.
What if we adapted our infrastructure to generate hydroelectricity?


The Paradigm Shift:
Tapping the Untapped
We are surrounded by continuous, pressurized water flow. Instead of dissipating excess pressure as waste, we harness it as **clean, distributed baseload energy** right beneath our feet.

Introducing the InPipe HydroXS

A patented energy recovery system that converts excess water pressure into clean, renewable energy—without disrupting utility operations.

Highly Scalable
Fits pipes 2" to 110" in diameter.

Powerful Output
Capacities ranging from 20 kW to over 1 MW.

Total Flexibility
Designed for potable, wastewater, industrial, and agricultural pipelines.

Independent Research by DOMISTAT 2026

Anatomy of Micro-Hydro: The Hardware

1. **High-Pressure Inlet**
   Captures existing variable water pressure.

2. **Micro-Turbine**
   Converts pressure differential into mechanical rotation.

3. **Micro-Turbine Generator**
   Transforms rotational kinetic energy directly into clean baseload power.

Precision Through Smart Control

Operation

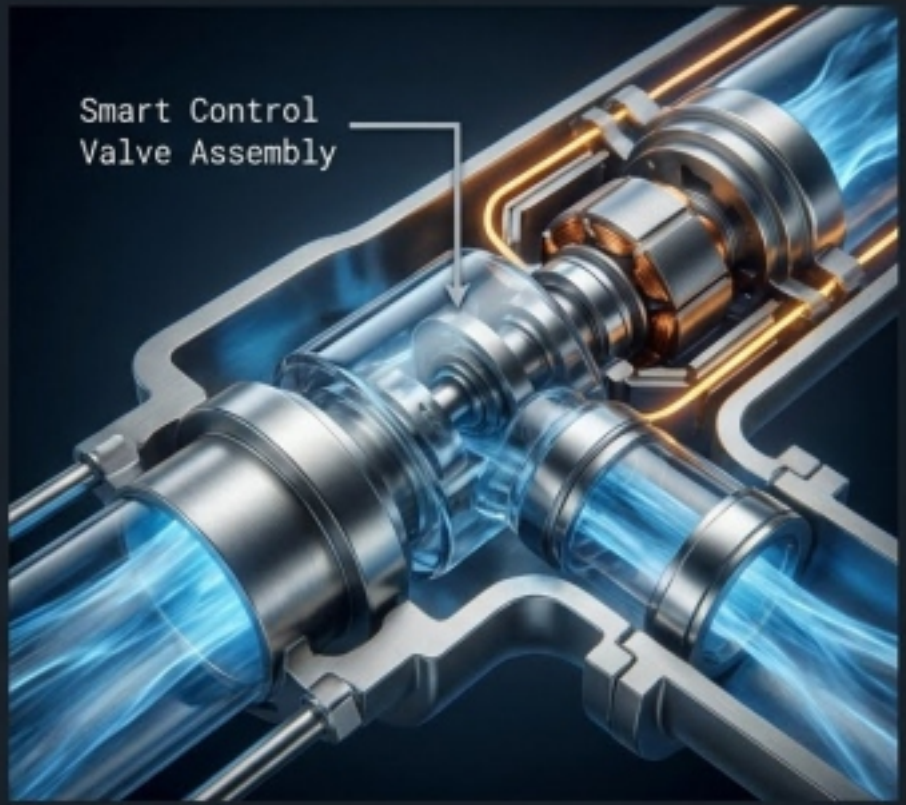
Replicates traditional control valve functions, managing precise downstream water pressure and flow.

The Difference

Instead of bleeding off excess pressure as wasted friction, it channels the exact required differential directly into the micro-turbine.

The Result

Zero utility service disruption. Consistent flow and pressure are guaranteed entirely independently of energy generation.



Real-Time Intelligence & Optimization

Sense

Inline sensors detect variable flow rates in the municipal pipeline.

Process

The management system analyzes real-time municipal pressure requirements.

Adapt

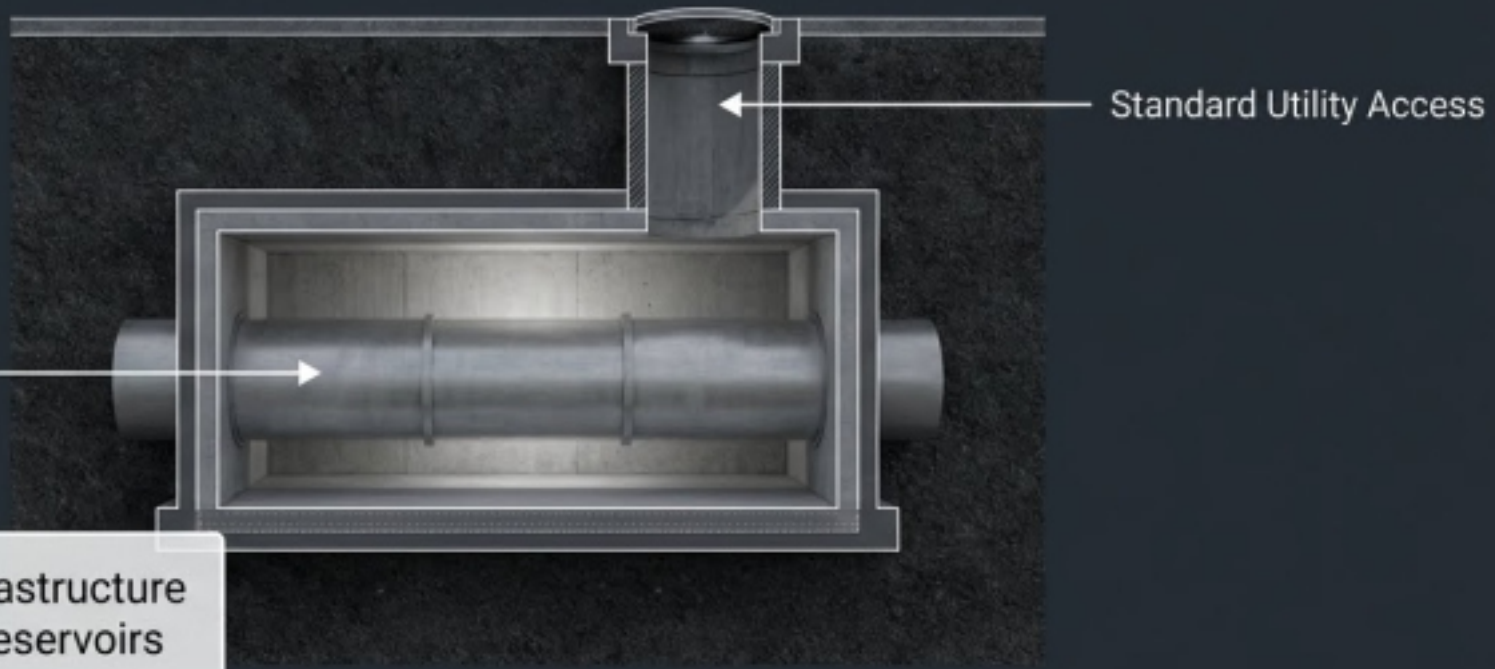
The system automatically adjusts turbine speed for optimal energy generation while strictly maintaining utility standards.

Energy Production (kWh)	Water Saved (Gal)	Carbon Mitigated (Tons)
325.4	1,250,000	15.8
Real-Time	Total YTD	Total YTD

Infrastructure Modernization Without Disruption

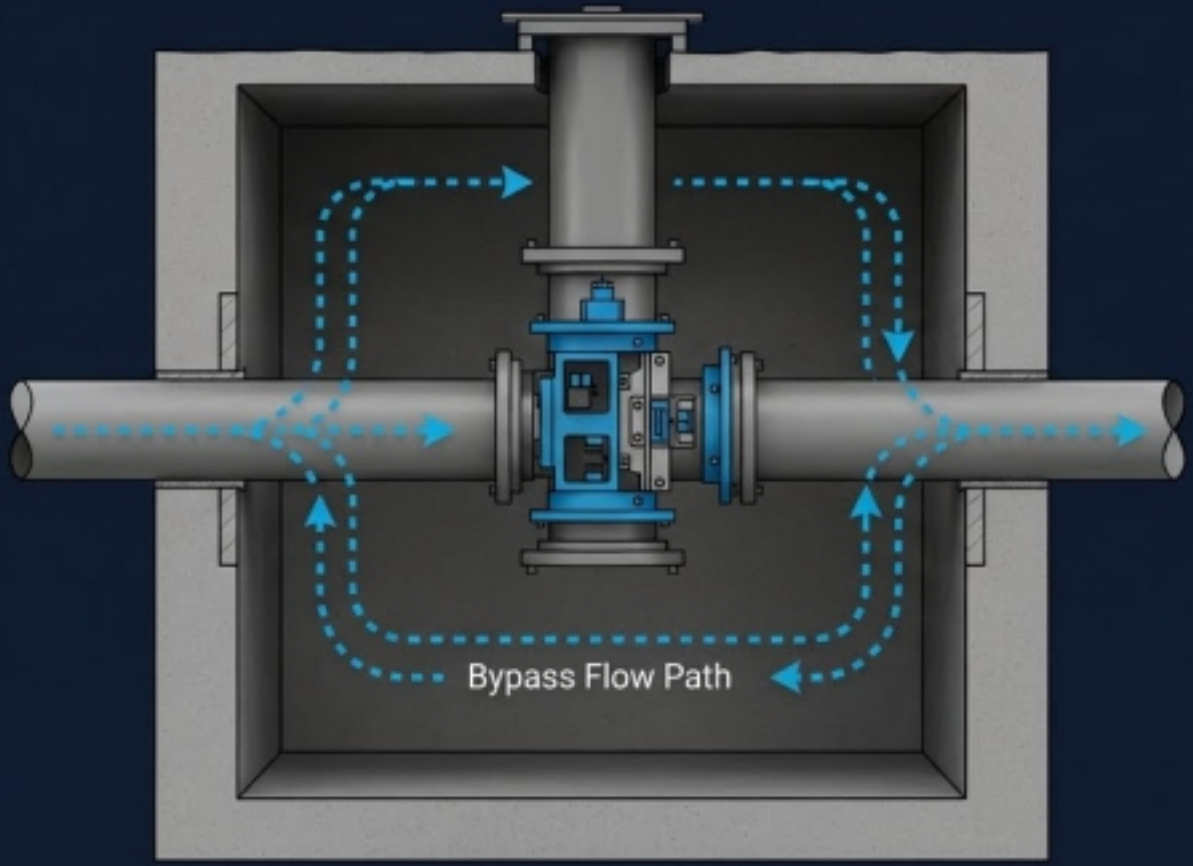
Zero New Dams | Zero Ecological Alteration | Minimal Civil Works

Seamless Integration: Step 1 - The Existing Canvas



Utilizes existing infrastructure geometry. No new reservoirs or massive excavations required.

Seamless Integration: Step 2 - The Drop-In & Bypass



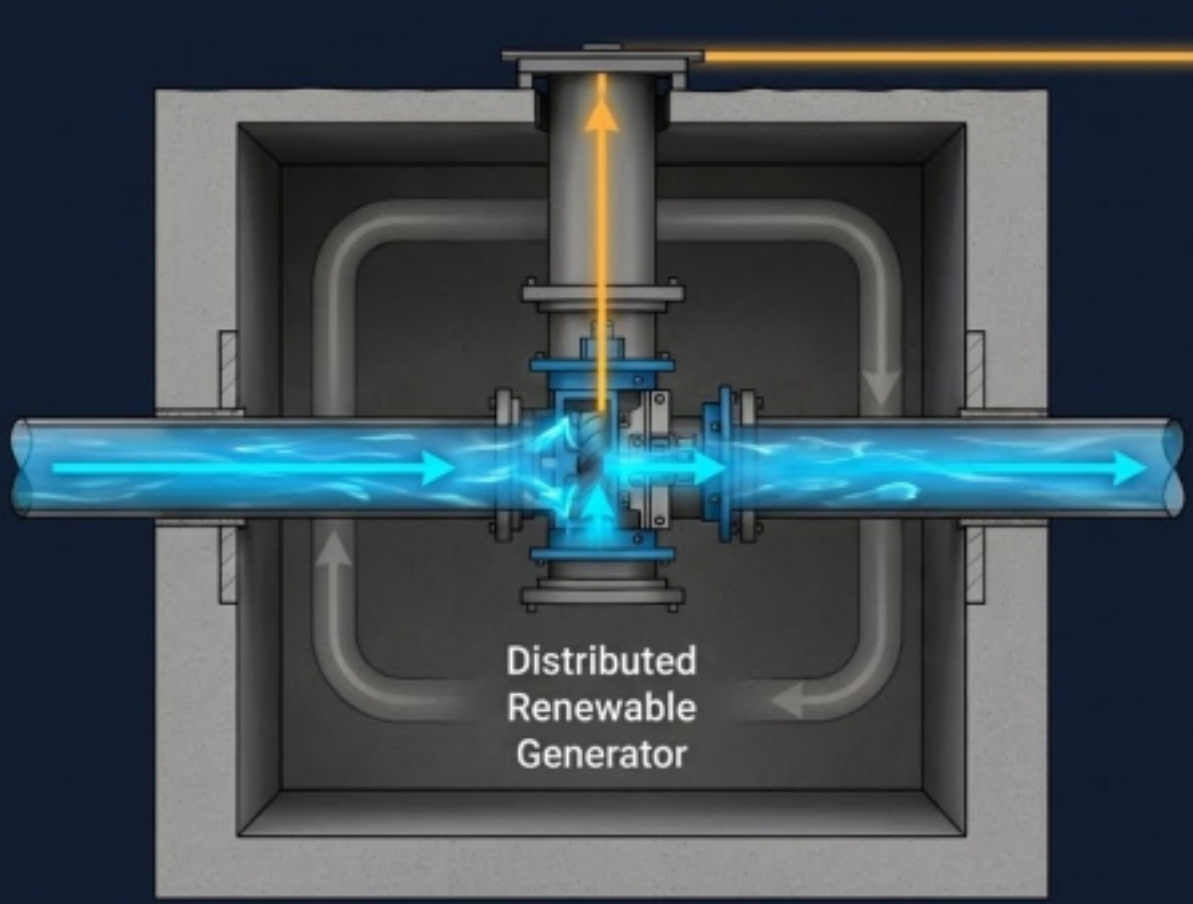
Continuous Service Guarantee:

Water flow routes safely around the unit during the installation drop-in and future maintenance.

Minimal Civil Works:

The modular design drops directly into standard vault dimensions without major retrofits.

Seamless Integration: Step 3 - Online & Generating



Electricity is sent directly back to the grid, or utilized for on-site utility operational power.

The Triple Bottom Line

1. Operational Cost Reduction

Up to 30% reduction in utility operational energy costs.

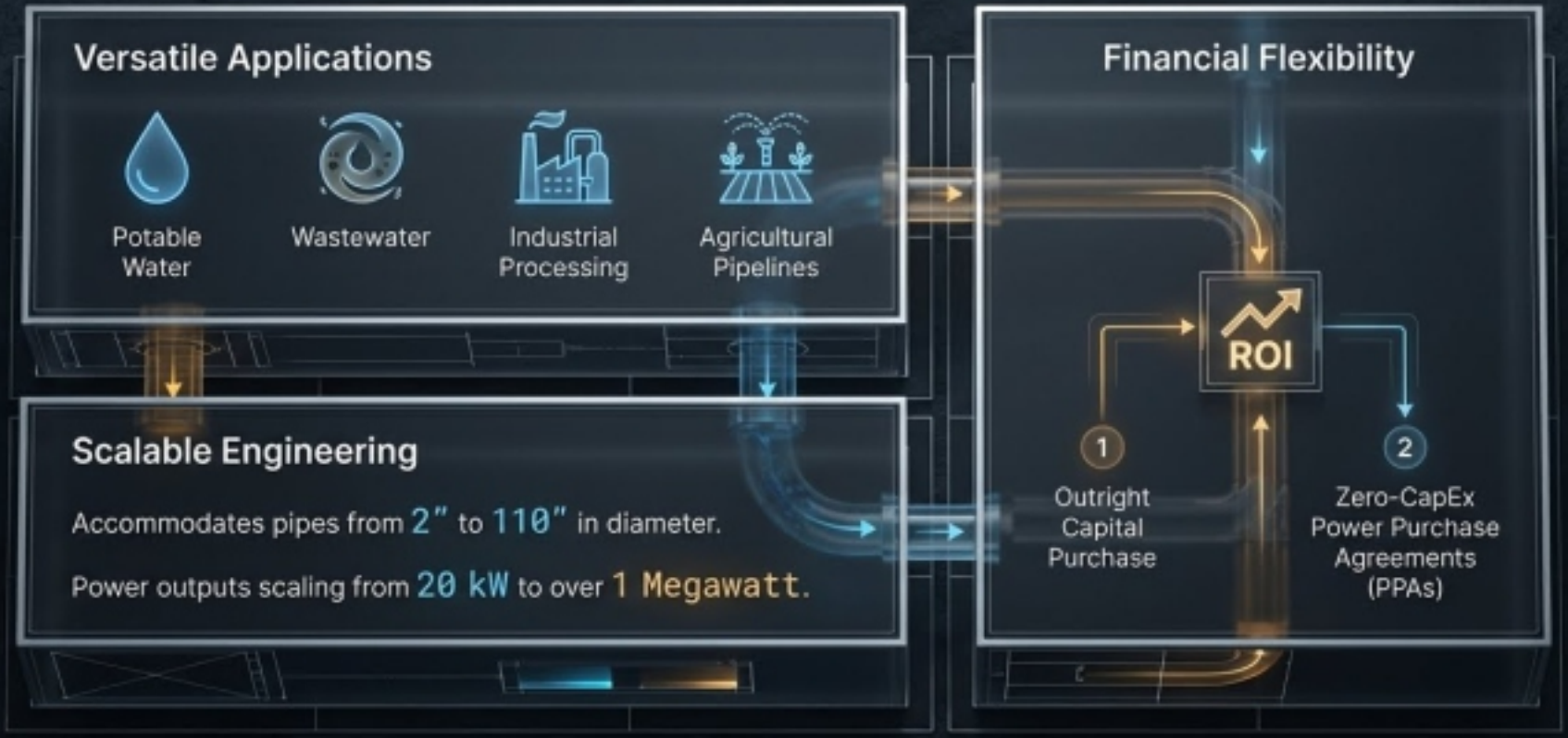
2. Carbon Emissions Mitigation

Significant reduction in carbon footprint by generating clean, distributed baseload power.

3. Water System Resilience

Improved pressure management extends infrastructure lifespan and dramatically reduces water loss via leakage.

Scalable Solutions for Every Network




The Power is Already Flowing.
Transform your distribution network into a distributed renewable energy generator. Turn wasted pressure into pure potential.
INPIPE HYDROXS: INFRASTRUCTURE EVOLVED.