



AccelerateH2O
innovating water in Texas

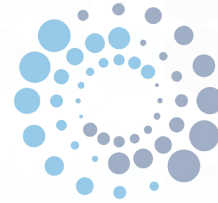
Texas Water Technology

Innovative Demonstration Hubs & Pilot Programs

Full-Level Sites for Testing, Evaluating & Showcasing Emerging Growth Solutions

DemonstrateH2O

Sites | Facilities | Support for Texas' Next Generation of Water Technologies



With a diverse geographic, industrial, and water source, Texas is a disaggregated but viable “incubator,” testing and evaluation, and national, global magnet for proving existing and emerging water technologies. All that is required is a framework, intermediary, and an integrated approach to organizing and delivering strategic high impact projects around demonstrations and pilots for start-ups, scale-ups, growth and mature stages of technologies, products, and services.

Integration is best defined by the inclusion of engineering, technical, entrepreneurial, regulatory, operational, managerial, and financial knowledge, expertise around a collaborative model for expediting evaluation and deployment of Texas-focused solutions.

Our Approach

AccelerateH2O, in collaboration with its water, industry, and academic partners, will identify locations that:

- Provide access to water sources that – once used in the demonstration or pilot project – will not be returned to the normal flow, considered waived or exempt from current regulatory restrictions, yet used in the demonstration or pilot under the conditions of appropriate public safety and health requirements;
- Set aside facility, operations, and/or a designated testing area under specific agreed upon conditions similar to an incubator or demonstration zone; an economic cost analysis will be conducted to determine the average expense required to complete appropriate demonstration and pilot projects – and therefore the basis for shared-expense, fees, and reimbursement;
- Creation of a demonstration or pilot project scopes of work, including schedules and staffing, intended impact on technology evaluation, skills and workforce development, and agreed upon knowledge sharing for broad dissemination within certain parameters and/or non-disclosure requirements.



Demonstration Opportunities & Scenarios

Based on the past year of 180 meetings, conferences, small group forums, the Texas water technology marketplace has already identified several areas of interest for testing, demonstrating, evaluating, and seeking expedited approval on the following targets:

- Brine and concentrate management resulting from desalination of sea and brackish waters
- Reduction of energy costs and use for operations of desalination processes
- Arsenic and radon removal in small water systems, especially rural communities
- Mapping qualities and flows of brackish water pools, aquifers, and other sources
- Reclamation of produced water and waste from energy and other manufacturing processes.
- Evaporation reduction for large reservoirs and other similar bodies of water
- Drone, UAV and other aerial, satellite, and cellular/WIFI systems in connection with sensors and digital products for monitoring water use, reclamation, and conservation scenarios
- Generation of potable and possible drinking water sources from hybrid integration of technologies, including conversion of humidity, rainwater, storm flows, etc.
- Reclamation technologies in support of recharging streams, rivers, and other bodies of water in agreement for evaluation and approvals by related state and regional agencies
- Sustainable business practices that rely upon technology to ensure quality of waters in the manufacturing, production, and operations of Texas-based industries

Demonstration Hub Framework

AccelerateH2O has formed and adopted a standard framework that addresses the following critical activities for conducting water technology demonstrations:

Operations The day to day onsite requirements for planning, supporting, administrating, and measuring the activities and results of all demonstrations and pilot projects.

Technical The required performance metrics, desired outcomes and impacts for proof of concept and evaluating emerging and existing technologies.

Economic The determination of the entire value chain costs for deploying the technology including impact on prior and follow-on technologies, systems, and in-field affects on end-users.

Legal/Safety-Health Compliance Identification and limitation of any risks associated with the demonstration and pilot projects conducted at the location and among various partners and participants so as to mitigate immediate and future litigation.

Regulatory & Enforcement Identification of potential positive impacts for changes, streamlining, and responses to the demonstration and pilot projects – leading to necessary commission-level, staff-level, legislative and/or executive branch level engagement necessary for expediting technology use;

Reporting & Performance Results A consistent reporting and performance results mechanism that provides both public and confidential information, data, and awareness of the technology's use across the previous matrix.

Demonstration Site Services, Support & Deliverables

AccelerateH2O is pleased to offer the opportunity to join with the best water experts in and beyond Texas to demonstrate, evaluate, invest and/or procure a portfolio of opportunities in the water technology market. We provide:

Review and Assessment of:

- Technical capabilities and risks
- Business plan due diligence
- Management and leadership viability
- State, national, and other applicable market demand
- Requests for Resources (partnerships, funding, licensing)

Neutral third party assessment process includes:

- Subject matter vetting by industry, engineering, academic and end user expertise.
- Pilot and demonstration hubs meeting State rule and regulatory approval standards.
- Commercialization investment syndication and/or co-investment strategies.

Services and Support to Investor Forum Members

- Upon completing the confidential Investor Profile, matching and alignment of targeted, vetted investment opportunities
- Presentation via alerts, online webinars, and in-person meetings
- Inclusion in Technology Showcase and Innovative Demonstration events
- Customized market research, intelligence, and expert advice
- Syndication, co-investment scenarios per requests, interests

Assessment & Commercialization Partners

We have assembled a highly regarded network among non-profit, university, industry, and business assistance subject-matter-experts specializing in the commercialization of water technologies. Our ever-expanding network includes:



Current Hubs and Strategic High-Impact Programs

- Brackish Desalination and Advanced Treatment - Greater El Paso
- Data and Instrument Integration - Greater Austin, Central Texas
- Coastal Resilience - Greater Galveston
- Smart Irrigation - Rio Grande Valley
- Integrated Water Source and Supply - West Texas
- Urban Sustainability - Greater San Antonio

Specific and customized sites, facilities, and operations are tailored to client or consortia needs and requirements. All Hubs and Strategic High-Impact Programs are conducted under a Fee-for-Service model. Additional information and Demonstration Form can be found at www.AccelerateH2O.org or by calling (800) 708-0478