HCLTech | Supercharging Progress™

AquaSphere: Helping enterprises achieve their water sustainability goals

Optimize your organization's water consumption with Aquasphere

CloudSMART

According to the U.N., the world currently uses six times more water than it used to 100 years ago. As the growing population and emerging economies place higher demands on the already depleting water reserves, global enterprises need help acquiring the required water. As a result, many water-dependent industries face threats to their supply chains today. Pollution and climate change further worsen the crisis, leading to skyrocketing prices and growing competition for water access. Also, in a world where sustainability has become a key tenet for profitability, enterprises that are water insecure or contribute toward pollution or depletion of water resources risk losing customers. Organizations must learn to do more with less and install advanced mechanisms to conserve water to continue to operate and remain profitable.

Water management practices remain largely inefficient due to scattered and inaccessible data. The market is crowded with multiple unorganized players providing water to homes or businesses, so transparency and verifiable information are limited. The list of challenges includes:
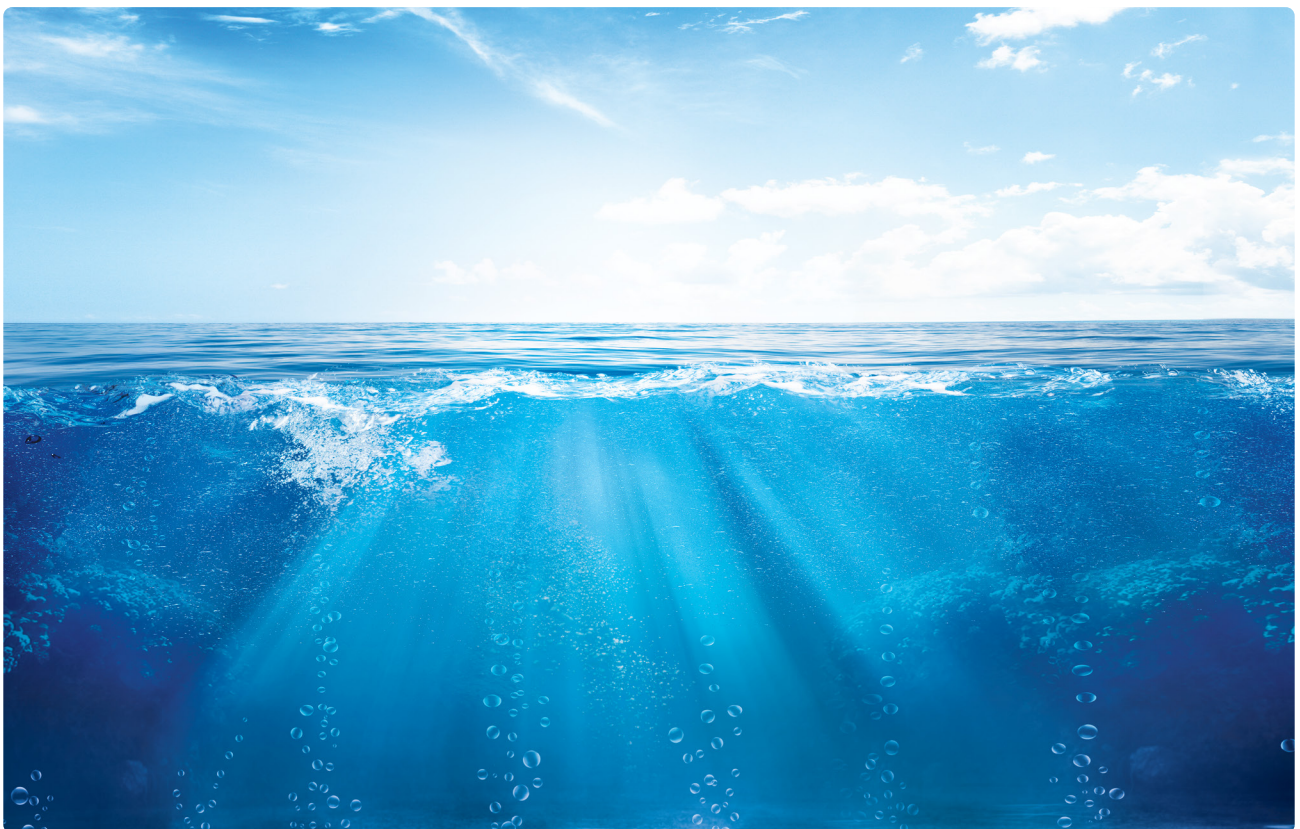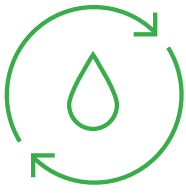
- Lack of digital information

- Absence of real-time, end-to-end insights

- Limited data sharing and integration between many parties and systems

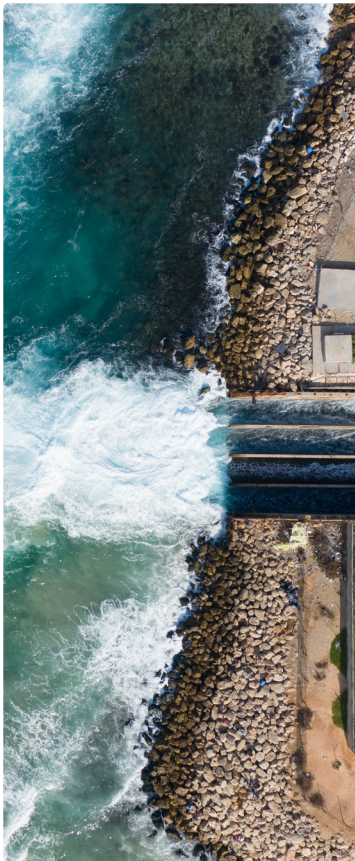# Efficient water conservation with AquaSphere, powered by HCLTech

AquaSphere – powered by HCLTech – can redefine your organization's water management processes. A unique solution backed by GenAI, intelligent devices, the SAP Blockchain Business Connector and the SAP Datasphere, enable a network of organizations to digitize and automate their water conservation practices in a compliant way.

Guided by constant monitoring and improvement, AquaSphere provides a comprehensive system to track, analyze and report water usage metrics in real-time. With our platform powered by GenAI, you can monitor the Green Water percentage of your organization – a key metric for measuring water use from sustainable sources.

To enable your organization to build trust and credibility with stakeholders, including customers, investors and regulators, AquaSphere also provides tools to help you share your results with the larger ecosystem in a verifiable manner. Using our platform to share your sustainability metrics, you can demonstrate your commitment to water sustainability and build a reputation as a responsible guardian of the environment.

Solution features: Platform level

AquaSphere leverages next-generation technologies to cater to your water conservation needs. The solution is:

- Supported by SAP Datasphere, which provides semantic data integration and visualization from business systems, sensors and drones for end-to-end water value chain visibility and insights

- Backed by SAP Blockchain, which enables data sharing in a verifiable way, with a large ecosystem of government bodies, consumers, peer companies, auditing companies and other service providers

- Powered by IoT, which supports water quality checks and determines the accurate quantity and quality of water coming into and going out of the company's water management system

- Simplified with GenAI, by effectively transforming how users navigate information, empowering them with superior natural language processing capabilities. By aggregating insights from various sources, such as online resources and PDF reports, enterprises can gain a holistic perspective on their inquiries. Beyond this, implementing advanced LLM techniques enables us to generate comprehensive reports, raising the bar for our service even higher.

Solution features: Service level

Understanding the features of a water conservation system at the service level is critical for businesses to make informed decisions. AquaSphere offers the following features at the service level:

On the monitoring level, it enables identification of water consumption at the last level, protects against possible leaks and unaccounted consumptions and supports monitoring and conservation of rainwater and all other water sources.

On the community level, it provides an integrated platform backed by SAP Blockchain, where you can share your progress and initiatives toward water sustainability with other corporate entities.

On the management level, it supports the mitigation of future water crises by generating interactive reports backed by accurate statistics.

On the forecasting level, it combines economic and social factors with geographic information to forecast water demand for a specific set of years.

Unlocking value at scale with AquaSphere

This cutting-edge technology, powered by HCLTech, can help businesses conserve vast volumes of water, thereby future proofing them against the adversities of water shortage. Some of the notable benefits are:

Achieve your Sustainability Goals – Efficiently implement innovative water conservation methods like rainwater harvesting and meet portion of the demand using Green Water

Lower Costs – Leverage alternate sources of water and optimize water usage and the corresponding cost

Monitor Water Fitness – Monitor parameters such as water TDS levels that not just act human health but also causes rusting of pipelines

Prevent Greenwashing! – Share verifiable data digitally to promote trust and compliance

Learn / Encourage the Ecosystem – Share your sustainability reports with the larger ecosystem as well as get encouraged by your peers looking at their results

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The HCLTech **advantage**

AquaSphere is empowered with innovations from HCLTech. You can leverage a standardized set of tools to monitor, measure and optimize water consumption. HCLTech has developed a unique and comprehensive portfolio of innovative services that help businesses achieve sustainability goals. Driven by intelligent devices and next-generation technology, the joint approach is designed to empower organizations to maximize water conservation

For more details contact us at - hclsapecosystemunit@hcl.com

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HCLTech is a global technology company, home to 211,000+ people across 52 countries, delivering industry-leading capabilities centered around Digital, Engineering and Cloud powered by a broad portfolio of technology services and software. The company generated consolidated revenues of $11.79 billion over the 12 months ended June 30, 2022. To learn how we can supercharge progress for you, visit hcltech.com.