Worldscape

EXPERIENCE YOUR BUSINESS IN A WHOLE NEW DIMENSION

Enabling Humanity to Solve the World's Hardest Problems in Real-Time
by Converging the Physical and Digital Worlds

REAL-TIME DECISION ADVANTAGE

Energy executives face mounting challenges in managing water resources across their Permian Basin operations. From increasing disposal costs and regulatory pressures to infrastructure constraints and environmental concerns, these challenges directly impact operational efficiency and sustainability. The lack of unified, real-time visibility across water management operations makes it difficult for leaders to effectively monitor network performance and optimize decisions, often leading to unnecessary trucking costs, disposal well downtime, and production constraints.

Traditional operational systems struggle with fragmented data trapped in various SCADA systems, spreadsheets, and third-party reports, making comprehensive analysis nearly impossible. While companies collect vast amounts of data across their wells, disposal facilities, and water infrastructure, existing solutions lack the capability to integrate and synthesize information from these disparate sources rapidly. Legacy reporting tools often fall short in connecting historical patterns with real-time events, thereby hindering proactive decision-making. Without the ability to perform sophisticated analysis of network capacity, operational costs, and disposal constraints, organizations cannot effectively optimize their water management operations, make informed investment decisions, or plan for future capacity needs. This disconnected approach leaves critical efficiency opportunities undiscovered and limits strategic planning capabilities.

1 WATER SOURCE MANAGEMENT

Rising demand for water in extraction operations strains local resources and creates complex sourcing challenges. Companies must strike a balance between operational needs and community impact, as well as environmental sustainability. Traditional water sourcing approaches struggle to optimize across multiple competing factors, including availability, transportation costs, regulatory compliance, and community relations. Organizations need sophisticated modeling capabilities to evaluate sourcing alternatives and optimize water acquisition strategies.

2 REGULATORY & ENVIRONMENTAL COMPLIANCE

Water management operations are subject to evolving regulations for extraction, treatment, and disposal processes. Organizations must track complex compliance requirements while optimizing operations and maintaining cost efficiency. Traditional compliance approaches struggle to effectively integrate regulatory considerations into operational decisions. Real-time monitoring and reporting capabilities become essential for maintaining compliance while optimizing water management operations.

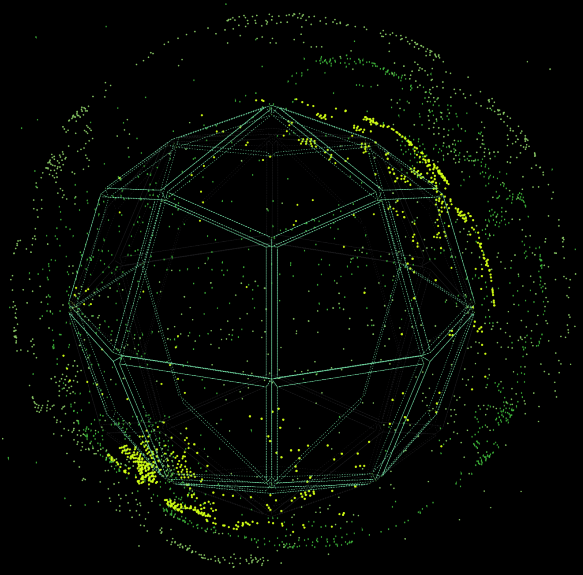
3 INFRASTRUCTURE OPTIMIZATION

Water management infrastructure, including pipelines, storage facilities, and treatment plants, requires sophisticated monitoring and maintenance to prevent failures and environmental incidents. Organizations must optimize capacity planning while managing operational costs and regulatory requirements. Traditional infrastructure management approaches often lack the predictive capabilities necessary to prevent failures and optimize maintenance schedules across complex water management networks.

4 PRODUCED WATER TREATMENT

Managing increasing volumes of produced water requires complex treatment and disposal decisions. Organizations must optimize treatment processes while managing costs and ensuring regulatory compliance to achieve optimal outcomes. Traditional approaches struggle to balance treatment options, reuse opportunities, and disposal requirements across operations. Real-time monitoring and predictive analytics become critical for maintaining efficient water management operations while minimizing environmental impact.

THE WORLDSCAPE PLATFORM



1 THE WORLDSCAPE PLATFORM

We integrate data, AI, and game engine technology in an open platform. Through the platform you can visualize your data with immersive experiences, model your business, and simulate and emulate potential outcomes. This enables you to train humans and AI through how we experience the real-world using 3D geospatial physics-based technologies, which simulate how we experience the real world.

2 WORLDSCAPE STUDIOS

Born from gaming innovation and battle-tested by technology giants, we bring unprecedented clarity to complex data challenges by driving. We've mapped the universe from the farthest star system down to the mud here on Planet Earth, all without breaking a sweat, so we do not doubt that we can unshackle your business from traditional data silos and unleash the potential of your business in all new ways.

UNIFYING THE DIGITAL AND PHYSICAL WORLDS

In an era where businesses face the data paradox generating unprecedented volumes of information while struggling to extract actionable insights Worldscape offers a breakthrough solution. By seamlessly converting data into clear decision points, the platform delivers real-time decision advantage, enabling organizations to transform their data abundance from a challenge into a strategic asset. This real-time processing and visualization capability ensures that increased data volume becomes a catalyst for better decision-making rather than a barrier to it.

Worldscape's platform bridges the digital and physical worlds by enabling users to test and validate outcomes with empirical data at scale. The platform integrates data from across your business, empowering you with visualizations that reveal new insights. The ability to execute parallel simulations allows a deeper understanding of business operations and the comparable risks and opportunities of a full range of alternatives, and the real-world implications.

EXPERIENCE YOUR BUSINESS IN A WHOLE NEW WAY

The Worldscape platform transforms insurance data into dynamic 3D worlds, enabling executives to step inside their operations and make real-time decisions as risks unfold. This isn't just visualization – it's immersive intelligence that reveals hidden patterns and vulnerabilities traditional systems can't touch. Physics-based modeling exposes the true impact of scenarios and disruptions across your business.

This paradigm shift crushes the competition. Run instant what-if scenarios, model multiple disruptions simultaneously, and see impacts unfold before your eyes. While others stare at static dashboards, you're navigating a living digital twin of your data, spotting risks and seizing opportunities with unmatched speed and precision.

THANK YOU

At Worldscape, we believe that the best way to predict an outcome is to simulate with empirical data at scale. We integrate data, AI, and game engine technology in an open platform. Our platform enables the creation of apps that provide immersive visualization of your data, predictive models, and unparalleled simulation capabilities, allowing you to experience your business in ways that have never been possible before.

Worldscape enables you to train humans and AI with experiences that precisely mirror the real world. Worldscape delivers real-time decision advantage, allowing for unprecedented insight into your business and the world.

CONNECT WITH WORLDSCAPE

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ENTER THE WORLDSCAPE

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