WEFTEC IS FLYING HIGH!

TAKE IN THE NEW!

THE DRONE PAVILION

- Visit Leading Drone Technology Exhibitors
- Pilot a UAS Flight Simulator Hands-On
- Attend Daily Sessions (schedule below)
- Experience Drone Data in Mixed Reality
- Watch Live Drone Flying in the Demo Cage
- Operate Underground/Underwater Drones





Drone Pavilion sponsored by:



EDUCATION SESSIONS SCHEDULE DRONE PAVILION | BOOTH 6943

MONDAY, OCTOBER 2

10:30 am -11:00 am

Using Drones for Infrastructure Mapping and Inspections

11:30 am -12:00 pm

Utilizing Drones for Sewer & Underground Utility Inspections

2:00 pm - 2:30 pm

The Benefits of Drones in the Water Sector

3:00 pm - 3:30 pm

Drones, Digital Data Collection, Automation, and Machine Learning

TUESDAY, OCTOBER 3

10:30 am -11:00 am

Leveraging Drones for Confined Space Inspections

11:30 am - 12:00 pm

How Can Drone Utilization Impact Employee Safety and ROI?

2:00 pm - 2:30 pm

Types of Environmental Sensors for Drones

3:00 pm -3:30 pm

Al and the Power of Autonomous Drones

WEDNESDAY, OCTOBER 4

10:30 am-11:00 am

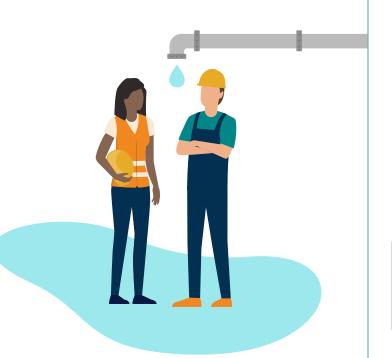
Best Practices for Establishing a Safety Ecosystem for UAS Operations

11:30 am -12:00 pm

A Look at the Future of Drone Technology



EDUCATION OF THE EXPO



More Than 100 Presentations on the Exhibition Floor

Included With Your Expo-Only Registration

Four Theaters in the Exhibition Hall

- Innovation Showcase Pavilion
- SDG Theater
- Global Center
- NEW Drone Pavilion

McCORMICK PLACE



as essential

as clean water

LEARNING EXCHANGE, TECHNOLOGY SPOTLIGHTS & PRODUCT LAUNCHES

LEARNING EXCHANGE

Learning Exchanges provide the opportunity to meet and interact with your peers. Share your experiences, gain knowledge, and hear perspectives on topics important to you, your career, and the water sector. (Not eligible for CE Credits.)

TECHNOLOGY SPOTLIGHT

Technology Spotlights take WEFTEC attendees to selected booths to hear and see technical, educational presentations by exhibitor experts. (Not eligible for CE Credits.)

PRODUCT LAUNCH

Product Launches are your opportunity to see the latest and greatest from exhibitors

| MONDAY, OCTOBER 2 | | | | | |
|---------------------|------------------------|--|---------------------------|--|--|
| 9:45 am - 10:30 am | PRODUCT LAUNCH | Huber Technology Presents Facility Expansion for 100% USA-Built Manufacturing | Booth 6139 (North Hall B) | | |
| 10:30 am - 12:00 pm | TECHNOLOGY SPOTLIGHT | Advancing Automation and Decision Intelligence of Facility Operations & Maintenance (Non-Mobile) | Booth 6139 (North Hall B) | | |
| 12:00 pm-12:45 pm | PRODUCTLAUNCH | HOBAS Pipe USA Presents Are You UNKNOWINGLY Missing Out on Millions of Dollars in Savings with Your Water Lines? | Booth 6139 (North Hall B) | | |
| 12:45 pm-1:15 pm | PRODUCTLAUNCH | Sky Wave™at CDM Smith Presents Transforming Data into Decisions: Leveraging Remote Sensing & Machine Learning | Booth 6139 (North Hall B) | | |
| | (LEARNING EXCHANGE) | Lessons Learned From the New England Water Workforce Initiative | Room N230a (Level 2) | | |
| 1:30 pm-3:00 pm | | Manufacturing | Room N230b (Level 2) | | |
| | | People of Color | Room N229 (Level 2) | | |
| | (TECHNOLOGY SPOTLIGHT) | Fundamentals of Wastewater: Influent to Effluent (Mobile) | Booth 6139 (North Hall B) | | |
| 2:15 pm-3:00 pm | PRODUCT LAUNCH | Schneider Electric Presents SureSeT: The Next Generation MV Switchgear by Schneider Electric | Booth 6139 (North Hall B) | | |
| 3:30 pm-5:00 pm | (LEARNING EXCHANGE) | Circular Water Economy | Room N229 (Level 2) | | |
| | | Cybersecurity – Implementing Best Practices in the Face of Regulatory Changes | Room N230b (Level 2) | | |
| 3:55 pm-4:40 pm | PRODUCTLAUNCH | Grundfos Presents The Innovative Grundfos Connect | Booth 6139 (North Hall B) | | |



| TUESDAY, OCTOBER 3 | | | | | |
|---------------------|------------------------|--|---------------------------|--|--|
| 9:00 am - 10:00 am | (TECHNOLOGY SPOTLIGHT) | Chemical Disinfection Solutions (Non-Mobile) | Booth 6139 (North Hall B) | | |
| 10:30 am - 12:00 pm | (TECHNOLOGY SPOTLIGHT) | Sewer Rehab Fundamentals (Mobile) | Booth 6139 (North Hall B) | | |
| 12:30 pm-1:15 pm | PRODUCTLAUNCH | Sewer AI Corporation Presents PIONEER: Now with 3D Manholes and Cloud Project Management | Booth 6139 (North Hall B) | | |
| 1:30 pm-3:00 pm | LEARNING EXCHANGE | LGBTQIA+ and Allies | Room N230a (Level 2) | | |
| | | Women in Water | Room N229 (Level 2) | | |
| | | Public Officials | Room N230b (Level 2) | | |
| | (TECHNOLOGY SPOTLIGHT) | DAF Technology for Industrial WWTPs (Mobile) | Booth 6139 (North Hall B) | | |
| 2:00 pm-3:00 pm | (TECHNOLOGY SPOTLIGHT) | Fine-Pore Diffusers for Aeration (Non-Mobile) | Booth 6139 (North Hall B) | | |
| 3:15 pm-4:00 pm | PRODUCTLAUNCH | Hach Presents Unlocking Efficiency: Harnessing the Power of Sustainable Resource Optimization with Hach's RTC Software | Booth 6139 (North Hall B) | | |
| 3:30 pm-5:00 pm | LEARNING EXCHANGE | Construction | Room N229 (Level 2) | | |
| | | Next-Generation Workforce | Room N230b (Level 2) | | |
| 4:00 pm-5:00 pm | (LEARNING EXCHANGE) | Taking Your Operations to New Heights: Drones | Booth 6139 (North Hall B) | | |

| WEDNESDAY, OCTOBER 4 | | | | | |
|----------------------|------------------------|---|---------------------------|--|--|
| 8:30 am - 10:00 am | LEARNING EXCHANGE | Social Media - It's Easier and More Effective Than You Think | Room N230b (Level 2) | | |
| | | Funding, Financing, Grants | Room N229 (Level 2) | | |
| 9:00 am - 10:30 am | (TECHNOLOGY SPOTLIGHT) | Blower Technology: Fundamentals on the Floor (Mobile) | Booth 6139 (North Hall B) | | |
| 10:30 am - 12:00 pm | (LEARNING EXCHANGE) | Reimagining the Wastewater Utility's Roadmap to Full Sustainability Through WRRF 2040 Initiative | Room N229 (Level 2) | | |
| 11:00 am - 12:30 pm | (TECHNOLOGY SPOTLIGHT) | Exploring UV Disinfection Options: Seeing the Light (Mobile) | Booth 6139 (North Hall B) | | |
| 1:00 pm-2:00 pm | TECHNOLOGY SPOTLIGHT | Do It Better with Biofilms: Biofilm Treatment Technologies for Secondary Treatment Intensification (Non-Mobile) | Booth 6139 (North Hall B) | | |

INNOVATING IN THE AGE OF THE CIRCULAR WATER ECONOMY



Innovation Pavilion sponsored by:



INNOVATION SHOWCASE & THEATER BOOTH 7739

Innovation helps move our business-as-usual thinking forward into something better – more cost-effective, more sustainable and more user-friendly. WEF has partnered with BlueTech Research and Imagine H₂O to shine the spotlight on water sector innovations.

Innovation Showcase & Theater exhibitors feature winners of the WEF Innovative Technology Award, BlueTech Forum Innovation Award, and Imagine H₂O's select portfolio companies. Complementing the award winning technologies are the exhibitors in the Innovation Zone, Discovery Zone, and Distributed Infrastructure Zone. Learn more about these zones at www.weftec.org/expo.

Presentations at the innovation stage presented by:



2023 Innovation Showcase Companies

8power

ACWA Robotics

Ainwater

Bluemethane Ltd.

CivilGrid

Cobalt Water Global

ELODE USA

Fluid Analytics Inc.

hydroEye AI

Kairospace Technologies

LAIIFR

Mempure Pte Ltd.

Revive Environmental

Sudoc











10:00 am-10:25 am

Don't Hate #Innovate: A Tour Of The 2023 Innovation Pavilion

ALTRA, BlueTech Research, Imagine H₂O

10:25 am-10:30 am

Water Data Forum: Demystifying Digital for a Broad Audience

Elkin Hernandez, DC Water

10:30 am-11:30 am

WEF/WRF Intelligent Water Systems Challenge

Lisa Thompson, Regional San

11:30 am-12:00 pm

Water Resiliency–A Key Asset to Climate Change

Martin Bureau, ALTRA

12:00 pm-1:00 pm

WRRF 2040- Meet & Greet with the Leaders

Art Umble, Stantec;

Tanja Rauch-Williams, Carollo Engineers

1:00 pm-2:00 pm

Water Clusters Leaders Forum: US Clusters Spotlight

The Water Council, Cleveland Water Alliance, Current, The Water Tower, Waterstart

2:00 pm-2:30 pm

What Will Power Water's Future innovation Ecosystems?

Rick Warner, Jacobs;

Ralph Exton, Grundfos Water Utilities; George Hawkins, Moonshot Missions

2:30 pm-3:00 pm

Utilities Under the Spotlight

Sonora Hill, *Imagine H*₂O

3:00 pm-4:00 pm

Imagine H₂O CrocTank: Meet the 2022 Urban Water Challenge Finalists

Nidhi Menon, *Imagine H*₂O

4:00 pm-5:00 pm

Innovation Pavilion Reception and Water Clusters Leaders Forum Recognizing Sally Gutierrez

Sponsored by **∧LTR∧**

(Beverage service begins at 4:15 pm)

TUESDAY, OCTOBER 3

8:30 am-9:00 am

Imagine H₂O Aquadance Film Festival

Taylor Evans

9:00 am-9:30 am

Industrial Water: From Linear to Circular Economy

Val Frenkel, Saritha Sathyanarayanan, Brian Arntsen

10:00 am - 10:30 am

PFAS Innovation Panel (Water Clusters Leaders Forum Session)

Karen Frost, Chris Woodruff, Sarah Meyer

10:30 am-11:00 am

Cost Impacts of PFAS on the Clean Water Community

Nicole Stephens, *Stantec*; Henry Croll; Emily Remmel, *NACWA*

11:00 am-11:30 am

Digital Asset Management: Improving Decisions and Increasing Organizational Resiliency

Klauss Kjeldgaard, Fors Utility

11:30 am-12:30 pm Enabling Al/ML for Operational Technology Applications with Open

Control Platforms (Presented by International Society of Automation) Don Dickinson, *Phoenix Contact*;

Hassan Ajami, PCI Vetrix (Presented by ISA)

12:30 pm-1:00 pm

WEF Innovation Award Spotlight

Xylem Flygt 4200 Adaptive Mixers, 374Water, Accrulog Differential Pressure Logger

1:00 pm-2:00 pm

Distributed Water Infrastructure: Opportunities for a Resilient Landscape

Kim Nace, Brightwater Tools; Paula Kehoe, San Francisco Public

Utilities Commission; Ed Clerico, Natural Systems Utilities;

Tristian Bounds, *Orenco*; Rogelio Rodrigues, *Water FX*

2:00 pm-2:30 pm

Realizing Utility Decarbonization through Distributed Infrastructure

Gregg Semler, InPipe Energy

2:30 pm-3:00 pm

Flowing Together: Harnessing Corporate Partnerships to Accelerate Water Technology Adoption

Sivan Zamir; Adam Tank, Transcend; Kelly Trott, Imagine H_2O ; Kyle Schoenheit

3:00 pm-4:00 pm

The CROC Tank: BlueTech Water Start-Ups Pitch Aoife Kelleher, BlueTech Research

4:00 pm-5:00 pm

Film in Water: Imagine H₂O and BlueTech Research

BlueTech Research & Imagine H₂O

WEDESDAY, OCTOBER 3

8:30 am-9:00 am

Imagine H₂O Aquadance Film Festival

Taylor Evans, *Imagine H₂O*

9:00 am - 9:30 am

Improving Net Energy Usage at WRRFs–Selected DOE Projects

Mark Philbrick, US Department of Energy; Prathap Parameswaran, Kansas State University; Jeff Moeller, Water Research Foundation;

Jeff McCutcheon, University of Connecticut

9:30 am-10:00 am

Breakthrough Innovations in Desalination and Water Reuse: Update from NAWI

Peter S. Fiske, National Alliance for Water Innovation:

Meagan Mauter, Lawrence Berkeley
National Laboratory;

Jordan Macknick, National Renewable Energy Laboratory

10:00 am - 10:30 am

Evolution of Innovative Biosolids Management in Circular Water Economy

Yian Sun, Derya Dursun, Hazen and Sawyer

10:30 am - 11:00 am

Anaerobic Digesters: Success Stories from Start to Finish

Alejandro Montes and Val Frenkel, *Greeley* and Hansen; Elkin Hernandez, *DC Water*

11:00 am - 11:30 am

Decarbonizing Wastewater Treatment

Orianna Bretschger, Aquacycl

11:30 am-12:00 pm

Dumpster Juice Remediation: Advancing the Circular Water Economy Chris Eberly and Manish Nawal, *ParkUSA*

42:00 come 42:20 come

12:00 pm-12:30 pm

Sewage Sludge Carbonization Robert Kovach, *Pyreg Inc.*

12:30 pm-1:00 pm
The Business Case for Proactive
Water Stewardship

Devesh Bharadwaj, Pani Energy

SUSTAINABLE DEVELOPMENT GOALS



SUSTAINABLE GOALS

SDG THEATER BOOTH 4431

The Sustainable Development Goals (SDG) Theater in the Drinking Water Pavilion, features insights into all aspects of the circular water economy from water stewardship to resource recovery to stormwater to diversity, equity and inclusion.

MONDAY, OCTOBER 2

10:00 am-10:30 am

A Discussion of the Drivers and Roadblocks to Circular Economies

Kelly Trott, Imagine H_2O ; Kendra Morris, The Ocean Sewage Alliance

10:30 am-11:00 am

Navigating Resiliency in the ESG Landscape (Water Clusters Leaders Forum Session)

Dean Amhaus, The Water Council; Mike DeNoma, Rockwell Automation

11:00 am - 11:30 am

Decarbonizing Water: Today's Technology for a Carbon-Free Tomorrow

Austin Alexander, Xylem

11:30 am-12:00 pm

Transforming Toward a Circular Water Economy

Erika Bailey, Raleigh Water; Mark Jockers, Clean Water Services

12:00 pm-1:00 pm

Why Private Sector Companies are Funding Water Utilities to Accomplish their ESG Goals

Mandy Sheposh, Johnson Controls, Inc.: Carla de las Casas, Brown & Caldwell; David Baran, NextEra Energy

1:00 pm-1:30 pm

Perspectives from Future Leaders in Water

Alma Rocha, New York University

1:30 pm-2:00 pm

Moving the Needle on Water Justice for Underserved Communities

Lia Clark, AWWA

2:00 pm-2:30 pm

Mobilizing Indiana's First Regional CAP with a Climate-forward Community

Maithilee Das Lappin, Greeley and Hansen; David Henderson, City of West Lafayette

2:30 pm-3:00 pm

New England Stormwater Collaborative: Stormy Awards

Virginia Roach, CDM Smith; Zach Henderson, Woodard & Curran

3:00 pm-4:00 pm

MS4 Award Winners

Lisa Deason , WEF

TUESDAY, OCTOBER 3

8:30 am - 9:00 am

Introduction to the UN Sustainable Development Goals (SDGs)

9:00 am - 9:30 am

9:30 am - 10:00 am

Augmented Alternatives Analysis (AAA)

Leslie Corcelli, EPA

10:00 am - 10:30 am

Mason Throneburg, Confluency; Andrew Erikson, Optimatics

10:30 am - 11:00 am

Digital Transformation Enables Smart Water Initiatives

Janine Nielsen, Bijan Sayyar-Rodsari, Rockwell

11:00 am - 11:30 am

Utilizing Data for Lead Service Line Inventory

Marianne Bain, Greeley and Hansen; Joel Mitchell, Pennsylvania American Water

11:30 am - 12:00 pm

Kathryn Foster, NSF

12:00 pm-1:00 pm

Microplastics Task Force

Sanitation Districts; Cayla Cook, Hazen and Sawyer

Gerard Dalziel and Natalie Celmo. Engineers Without Borders USA

1:30 pm-2:00 pm

Disasters, Crises, and Climate Change: Shifting the Wastewater Paradigm

Ryan Smith, City of Watsonville

2:00 pm-2:30 pm

Global Communities of Practice for Wastewater and Environmental Surveillance

Amity Dewey, WSP USA Carley Truyens, Anna Mehrotra, WEF

2:30 pm-3:00 pm

Global Sanitation Skills Challenges

Andrew Murfitt, FSM Alliance/3-LS; Michael Doerr, City of Nuremberg

3:00 pm-3:30 pm **Discussing Sanitation Similarities between**

3:30 pm-4:00 pm

4:00 pm-5:00 pm

9:00 am-9:30 am

9:30 am - 10:00 am

Exhibit Hall Reception

Harvesting Water from Air: Two

Tatiana Estevez, Permalution;

Shannon Stuckenberg, Genysis

Introduction to the UN Sustainable

DC Water Stormwater Innovation

Megan Livak, SmartCover;

Sewer Department;

10:30 am-11:00 am

11:00 am - 11:30 am

Water Under Any Weather

Barry Liner, Water Environment Federation

Perspectives of Large and Small Utilities

Don Shields, New Jersey American Water

Automation to Ensure Safe Drinking

Enterprise; Luigi Grasso, bNovate

Stormwater Technology Innovations

Modeling, and Adaptive Controls

Mark Van Auken, Arcadis;

Erin Rothman, Merak Labs;

Dayton Marchese, OptiRTC

Alexander Kahlert, Switzerland Global

Trends in Real-Time Monitoring, Predictive

Pete Singhofen, Streamline Technologies;

Oscar Vasquez, Miami-Dade County Water and

Startups Making a Difference

WEDESDAY, OCTOBER 3

Development Goals (SDGs)

the US and Developing World Kimberly Worsham, FLUSH

Barry Liner, WEF

Modernization: Sustainability through Circularity

James Robinson, ABB

Embracing Change with Agile Infrastructure Planning

Robert Bornhofen, DC Water 10:00 am-10:30 am Approaching SDG Achievement: Exploring

Certification of Water Quality Test **Devices for Drinking Water**

Shelly Walther, Los Angeles County

1:00 pm-1:30 pm

Beyond the Numbers: Water and the Personal Impact of Climate Change

Enhancing Wastewater Network Performance at Southern Water Brian Moloney, StormHarvester

12:00 pm-12:30 pm

11:30 am - 12:00 pm

Stormwater Pump Station Innovations to Protect Coastal Communities

Tyler Jones, Melissa Simpson, and

12:30 pm-1:00 pm

A Case Study in High-Volume **Wet Well Restoration**

Brandon Tremelling and Alena Mikhaylova, Geneva Pipe & Precast-A Northwest Pipe Company

GLOBAL CENTER PROGRAMMING



WEF PLAZA SOUTH HALL A

The Global Center is the hub of global business programming, networking, and opportunities. Join us as we welcome trade delegations from over thirty countries.



MONDAY, OCTOBER 2

10:00 am - 10:30 am

Global Center Opening

10:30 am-11:00 am

Case Studies: How Saudi Aramco Is Successfully Maximizing Wastewater Use

Saudi Aramco/Utilities & Facilities Services Department

11:00 am-12:00 pm

Technological Solutions for Water Management in Drought Conditions*

Catalan Water Partnership (CWP)

12:00 pm-1:00 pm

Spain's Latest Cutting-Edge Solutions for Smart Water Management

GoAigua, Aqualia, Minsait (INDRA GROUP), Trade Commission of Spain in Chicago

1:00 pm-2:00 pm

Utilities as Changemakers in **Global Water Security**

U.S. Water Partnership

2:00 pm-3:00 pm Mexico's Water and Wastewater Opportunities

U.S. Commercial Service, U.S. Embassy-Mexico City, ANEAS, BANOBRAS

3:00 pm-4:00 pm

Collaborative Procurement – Model Impacts on Utility Managers and Operators

4:00 pm-5:30 pm International Reception

Sponsored by \\

TUESDAY, OCTOBER 3

9:00 am - 10:00 am

PFAS in Drinking Water-Treatment, Technology, and Trends

WSP USA 10:00 am-11:00 am

Dutch Innovations for US and Global Challenges - Get Inspired by **Dutch Smart Water Solutions***

Water Alliance

11:00 am - 12:00 pm

Meet Utility Technical Experts from Japan! Japan Sewage Works Association (JSWA)

12:00 pm-1:00 pm

O Canada! Canadian Wastewater Innovators Aren't Sorry They're Taking the Lead

Canadian Trade Commissioner Service 1:00 pm-2:00 pm

Contsruction and Operation of Energy Efficient and Sustainable Wastewater

Treatment Plants – German Experiences The German Association for Water, Wastewater and Waste (DWA)

2:00 pm-3:00 pm

Bridging Clusters: Connecting the World of Water*

Korea Water Partnership (KWP)

3:00 pm-3:30 pm

Optimizing the Energy Balance of Wastewater Treatment - The Case of the Helsinki Metropolitan Area

Helsinki Region Environmental Services HSY

3:30 pm-4:00 pm

Innovation Solutions for Tracking Inflow and Infiltration (I&I) in the Finnish Public Wastewater System: Aquapriori's Leading Role in Addressing a Global Challenge Aquapriori Oy (Ltd.)

WEDNESDAY, OCTOBER 4

9:00 am - 10:00 am

Rethinking Water in Africa: Navigating **Challenges and Embracing Opportunities**

Desalytics

10:00 am-10:30 am EU Solutions for Global and

US Water Challenges* France Water Team

10:30 am-11:00 am Collaboration 'Across the Pond' -

US & EU Cluster Engagement* The Water Council

11:00 am - 11:30 am Developing a Sustainable Tico Wastewater Industry

Global Water Stewardship (GWS)

11:30 am-12:00 pm **Business Opportunities for** U.S. Companies in Brazil

U.S. Commercial Service Brazil

Please note that programming dates/times are subject to change. Please check onsite at WEFTEC for the most updated schedule.

^{*}Denotes programming as part of the Water Cluster Leaders Forum (WCLF)