

Jacobs at SIWW 2024

18 – 22 June 2024

Explore our SIWW program ↓



Key Highlights



Titans of Industry
3.30 – 5.30 PM 19 June

Titans of Industry Session

with **Patrick Hill**, Jacobs President, Global Operations



Coastal & Flood Resilience Leaders Summit
9.15 – 10.45 AM 20 June

Plenary 1 Case Study - Adaptive Strategies and Planning and Program delivery using Digital Foundation: Thames Estuary Asset Management 2100 (TEAM2100)

with **Andrew Pearson**, Jacobs Program Manager, TEAM2100



Water Leaders Summit
9.15 – 10.45 AM 21 June

Plenary 1 Case Study – the A.K. Warren Water Resource Facility – Food Waste to Energy (and MBR for potable reuse) Project

with **Paul Swaim**, Jacobs Vice President, Global Principal for Drinking Water & Reuse



Meet Jacobs Water Convention Session Co-Chairs



Susan Moisio

Jacobs Vice President
and Global Water Director

9.00 - 10.30 AM 20 June

Pipes Underground

Effective & Efficient Wastewater Management
(Treatment & Conveyance)



Aprilia Vellacott

Jacobs Technical Director,
Wastewater – Australia & NZ

9.00 - 10.30 AM 20 June

Resource Circularity and Valorization

Nexus and Circularity



Tim Constantine

Jacobs Global Director, Water
Resource Recovery Solutions

11.00 AM - 12.30 PM 20 June

Membrane Aerated Biofilm Reactor (MABR)

Effective & Efficient Wastewater Management
(Treatment & Conveyance)



Adam Hosking

Jacobs Global Director for Water
Resources & Resilience

2.30 - 4.00 PM 20 June

Planning Climate Resilient Cities

Cities Of The Future and Coastal & Flood Resilience



Colin Newbery

Jacobs Technical Director and
Regional Market Solutions
Director Asia

4.30 - 6.00 PM 20 June

Anaerobic Digestion Enhancement

Effective & Efficient Wastewater Management
(Treatment & Conveyance)



Constanze Simmermacher

Jacobs Global Principal for
Desalination and Membrane
Treatment

4.30 - 6.00 PM 20 June

Brine Concentration and Mining

Delivering Water from Source to Tap (Treatment)



Water Convention | Hot Issues Workshops



11.35 – 12.30 PM 18 June

Hot Issues Workshop 2: GHG Production & Emissions In Wastewater Systems

Net Zero for Water

presented by **Emma Shen**, Jacobs Global Principal for Wastewater
Energy Optimization and Sector Decarbonization

followed by a panel discussion: Path to Net Zero



2.00 – 5.45 PM 18 June

Hot Issues Workshop 3: Towards Carbon Circularity In Domestic And Industrial Wastewater Treatment

moderated by **Dave Parry**, Jacobs Senior Fellow

Business Forum



India Business Forum

10.30 AM – 1.30 PM 20 June

Modern Solutions for Water Through Cooperation and Technology

with speaker **Vinod Singh**, Jacobs Senior Director Water Market -
Asia, Vice President Singapore Water Association

Water Convention | Technical Sessions

Effective & Efficient Wastewater Management (Treatment & Conveyance)



9.00 – 10.30 AM 20 June

Overcoming Construction Challenges of an Undersea Conveyance Tunnel in Singapore

presented by **Charles Dickson**, Jacobs Senior Resident Engineer (Tunnel)



9.00 – 10.30 AM 20 June

Low DO for Low Energy and Carbon Efficient Nitrogen Removal - A new benchmark

presented by **Aprilia Vellacott**, Jacobs Technical Director, Wastewater – Australia & NZ



2.30 – 4.00 AM 20 June

Concept to Commissioning of a Major Advanced Water Reclamation Plant in Singapore

presented by **Shu Yi Chow**, Jacobs Senior Environmental Engineer



2.30 – 4.00 PM 20 June

Tertiary MBR: Concept Development and Pilot-Scale Validation of Novel Process for Potable Reuse in Southern California

presented by **Tim Constantine**, Jacobs Global Director, Water Resource Recovery Solutions



Water Convention | Technical Sessions

Effective & Efficient Wastewater Management (Treatment & Conveyance)



4.30 – 6.00 PM 20 June

Optimizing Anaerobic Digestion with the Microbial Hydrolysis Process

presentation by **Maddy Fairley-Wax**, Jacobs Wastewater Process Engineer and **Dave Parry**, Jacobs Senior Fellow

Nexus and Circularity



9.00 – 10.30 AM 21 June

Monitoring Process N₂O Emissions Helps Mitigate Climate Footprint of Water Resource Recovery Facilities – Global Case Studies

presented by **Emma Shen**, Jacobs Global Principal for Wastewater Energy Optimization and Sector Decarbonization

Delivering Water from Source to Tap (Network)



9.00 – 10.30 AM 21 June

South East Water Achieved Non-Revenue Water Savings with Vibration Sensors Embedded in Smart Digital Meters

presented by **David Lo Jacono**, Jacobs Senior Principal Consultant Technical Director Data Science

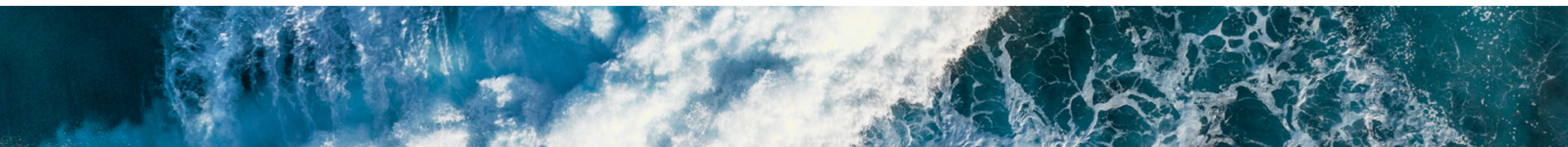
Delivering Water from Source to Tap (Treatment)



11.00 AM – 12.30 PM 21 June

Seamless Coagulation Control – Using Machine Learning to Optimize Water Treatment Plant Operations

presented by **Yvain Chong**, Jacobs Project Manager



Water Convention | Poster Sessions

Cities of the Future & Coastal & Flood Resilience



Microbial Sludge Hydrolysis Processes: Recent Advancements in Sustainable Water Resource Recovery Applications

presented by **Maddy Fairley-Wax**, Jacobs Wastewater Process Engineer
on behalf of VCS Denmark

Cities of the Future & Coastal & Flood Resilience



Adaptive Coastal Resilience at Tyndall AFB

presented by **Adam Hosking**, Jacobs Global Director for Water Resources & Resilience

Delivering Water from Source to Tap (Network)



Condition Assessment and Rehabilitation of Cast Iron Watermains in the City, Singapore

authored by **Aldred Er**, Jacobs Associate Civil Engineer
presented by Ivy Carreon, Jacobs Project Engineer

Effective & Efficient Wastewater Management (Treatment & Conveyance)



Micro-Aerobic Anaerobic Digestion for Advanced Process Stability and Biogas Desulphurization

authored by **Bart Kraakman**, Jacobs Associate Director Process Engineer
presented by Colin Newbery, Jacobs Technical Director & Regional Market Solutions Director Asia



Join our team for presentations at **Jacobs Hub**, where our experts will discuss the latest solutions and innovations on key projects:

Booth no. **B2-H35**

Take a look at our presentations at Jacobs Hub ↓



Jacobs Hub Presentations

10.30 – 11.30 AM 19 June

Dragonfly for Singapore's Sewers

Learn more about Dragonfly, Jacobs AI-powered tool for sewer infrastructure condition assessment and how it is having an impact on our clients and projects.



presented by
Daniel Buonadonna
Jacobs Global Principal

1.30 – 2.30 PM 19 June

OMNI/ECHO with Alluvial on AMI Project

Discover how Alluvial, Jacobs' data management platform helped save time, reduce errors, and enhanced collaboration and project efficiency for the implementation of 300,000 automated water meters across Singapore.



presented by
Dharmesh Pandya
Jacobs Senior Project Manager

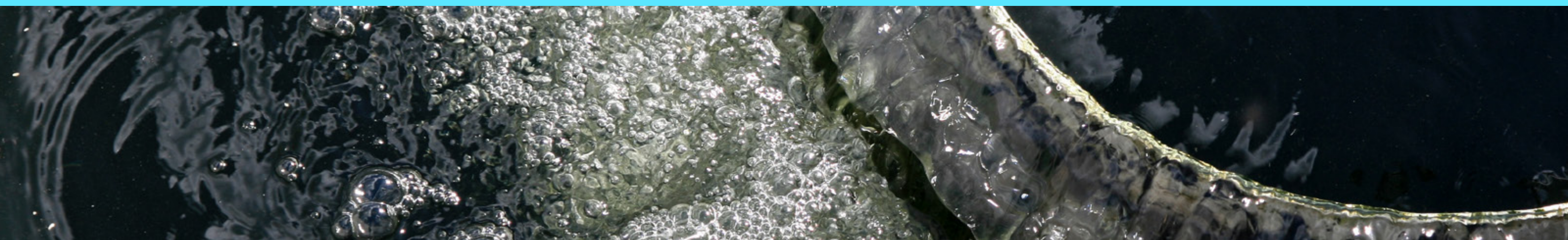
10.30 – 11.30 AM 20 June

SUMO Model for Testing and Commissioning a Used Water Treatment Plant

Learn about process modeling tool such as SUMO and its implementation benefits on the Changi Water Reclamation Plant Phase 2 project.



presented by
Anne Marie Ang
Jacobs Project Manager



Jacobs Hub Presentations

1.00 – 2.00 PM 20 June

Introducing BIM into the Engineering Review Cycle of a Used Water Treatment Plant Project

Gain insights into the benefits, challenges and opportunities of BIM implementation for major projects such as Tuas Water Reclamation Plant.



presented by
Christopher Wong
Jacobs Resident
Engineer Mechanical



and **Boo Hongsen**
Jacobs Resident
Engineer Electrical

3.30 – 4.30 PM 20 June

Powder Chemical System Automation in Used Water Treatment Plant

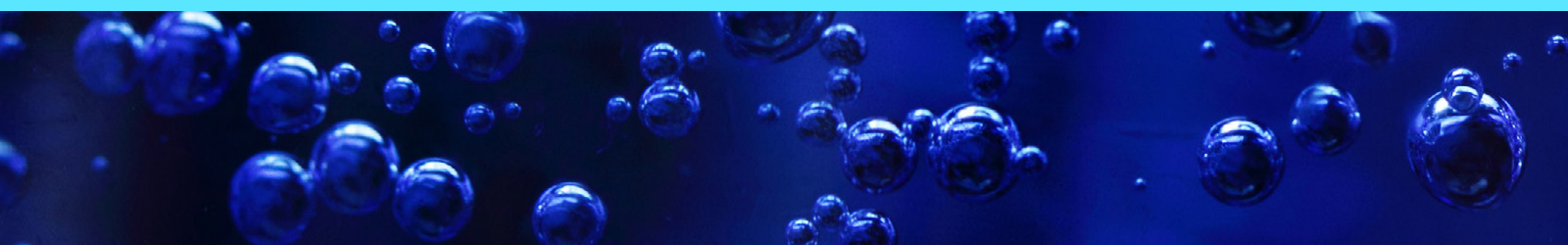
Explore Jacobs' innovative on-site process automation, utilizing automation technologies at Tuas Water Reclamation Plant for enhanced efficiency and safety.



presented by
Jonathan Lim
Jacobs Process Specialist



and **Ravi Sougumaran**
Jacobs ICA Engineer



Jacobs Hub Presentations

10.30 – 11.30 AM 21 June

Multiple Lines of Defense for Adaptive Coastal Resilience at Tyndall Air Force Base

Gain insights into Tyndall's Coastal Resilience Implementation Plan, a roadmap to guide coastal resilience delivery following an adaptive 'multiple lines of defence' strategy, including nature-based, structural and non-structural solutions.



presented by
Adam Hosking
Jacobs Global Director
for Water Resources &
Resilience

1.30 – 2.30 PM 21 June

Overcoming Construction Challenges of an Undersea Conveyance Tunnel in Singapore

Discover Jacobs' dynamic conquest of complex construction challenges for a major undersea conveyance tunnel project in Singapore.



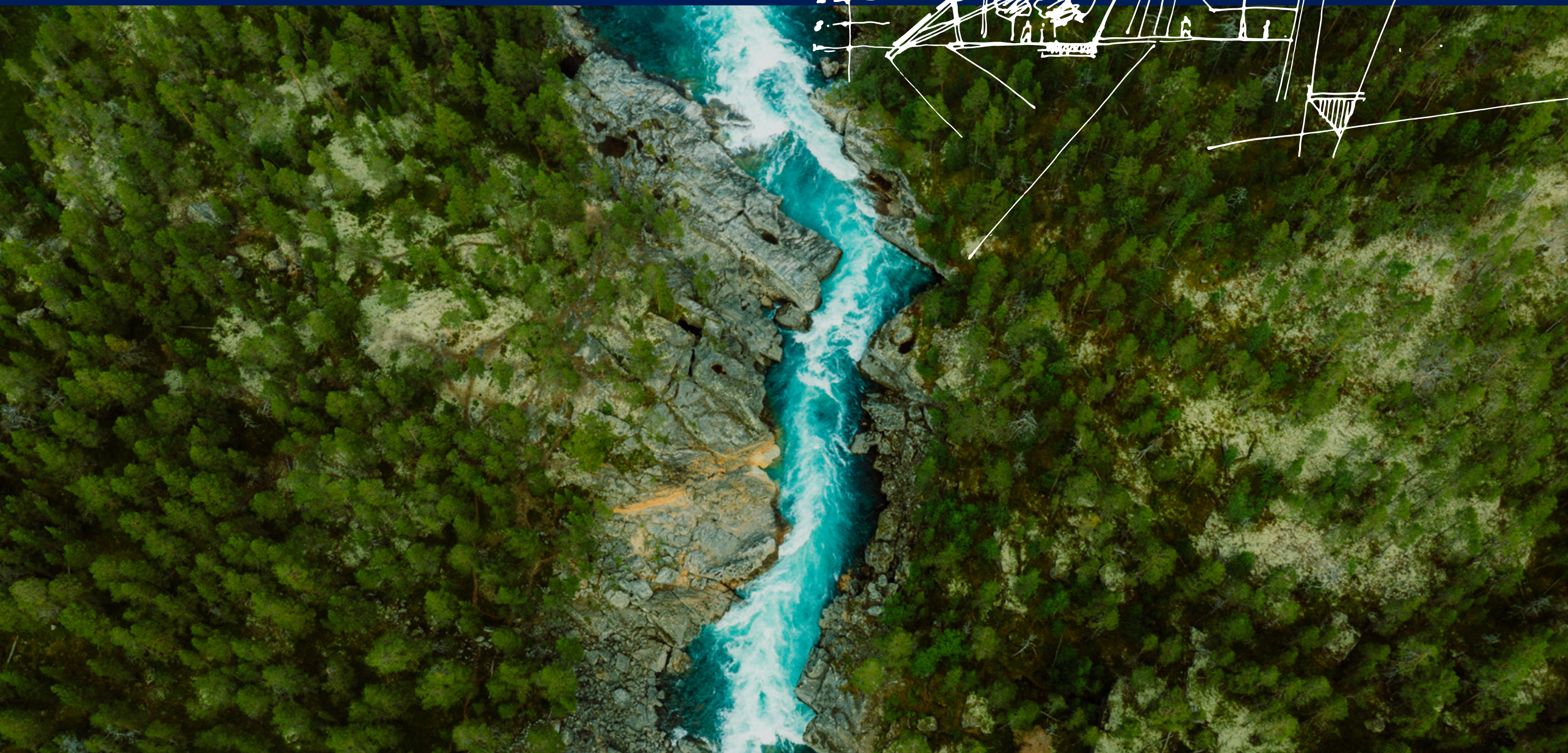
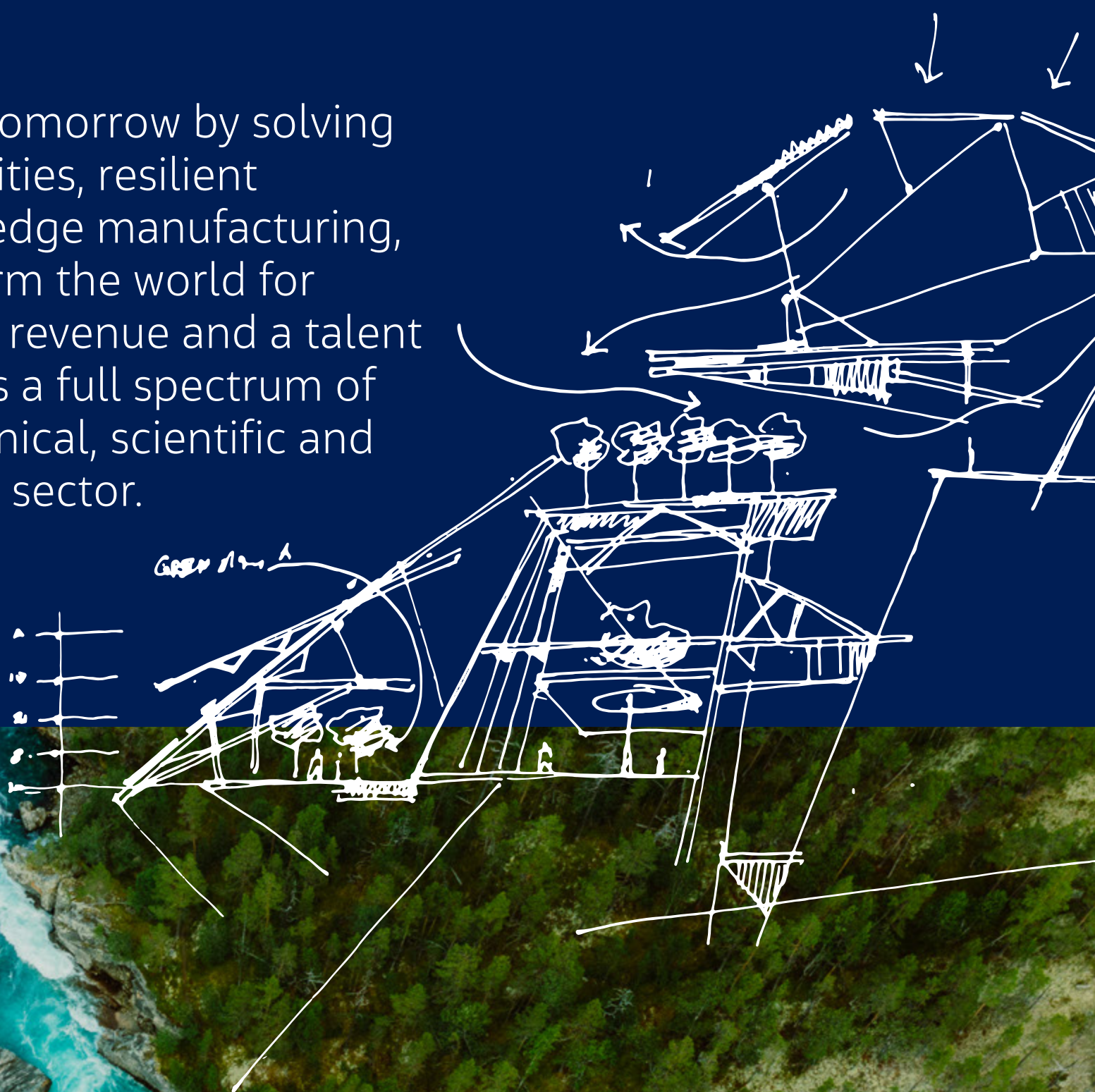
presented by
Charles Dickson
Jacobs Senior Resident
Engineer (Tunnel)



About Jacobs

We make the world smarter, more connected and more sustainable.

At Jacobs, we're challenging today to reinvent tomorrow by solving the world's most critical problems for thriving cities, resilient environments, scientific discovery and cutting-edge manufacturing, turning abstract ideas into realities that transform the world for good. With approximately \$16 billion in annual revenue and a talent force of approximately 60,000, Jacobs provides a full spectrum of professional services including consulting, technical, scientific and project delivery for the government and private sector.



Jacobs

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