

Preliminary Business Forum Program

IWA World Water Congress &
Exhibition 2018

Tokyo, Japan

Monday 17th September 2018

Business Forum Room 1	Business Forum Room 2
<p>09:45-10:30 METAWATER Introduction of METAWATER International business - Expanding differentiated technologies through partnership and localization <i>Presented by: Ichiro Fukushima</i></p> <p>METAWATER is one of the leading water and environment engineering companies in Japan. This year marks 10th anniversary. We have been designed and installed mechanical and electrical equipment in drinking and wastewater treatment plant to provide any clients with the best solution. Our various service such as EPC as a general contractor, O&M, and privatization, make a contribution to realization of more sustainable social infrastructures.</p>	<p>09:45-10:30 Hitachi Ltd. / Hitachi Consulting Corporation Hitachi Water Solutions ~ A smarter holistic approach to water management <i>Presented by: Dr. Ricardo Wissmann-Alves</i></p> <ul style="list-style-type: none"> • Predict and prevent service disruptions • Gain insights and faster response to incidents • Improve quality, compliance and management <p>Aichi Tokei Denki Co., Ltd. Electromagnetic Water Meter and Research of Smart Water Meter Capable of Realizing Sophisticated Water Control <i>Presented by: Koichi AZUMA</i></p> <p>Aichi Tokei Denki has 30 year history in battery driven electromagnetic water meter.</p>
<p>10:30 – 11:15 TAISEI KIKO CO., LTD. Development and Maintenance of Waterworks Infrastructure <i>Presented by: Tadahiro Yamada, Hideto Saito</i></p> <p>TAISEI KIKO has pioneered Japan's water and sewage pipeline maintenance sector. Continuously engaged on the frontier of innovation in product development and maintenance. Retainer glands, various pipe fittings with concept of water pipeline maintenance and quake-resistant products have become essential in Japan.</p>	<p>10:30 – 11:15 Veolia Want to catch up on latest methods and technologies to improve environmental footprint of wastewater treatment? <i>Presented by: Theis-Nikolaj Gadegaard</i></p> <p>Major progress allows us to demonstrate an innovative and holistic controlled wastewater system to produce energy and retrieve valuable resources while improving the water treatment and even remove pharmaceuticals and micropollutants with Exeno™, Aquavista and the concept of Billund BioRefinery.</p>
<p>11:15 – 12:00 Swing Corporation Swing's sustainable solution for waste water disposal <i>Presented by: Ryo Kanda, Koji Nagato, Nanami Yoshihara</i></p> <p>The City of Kobe and Swing Corporation started distribution of a fertilizer named "Kobe Harvest", which contains chemical grade struvite recovered from municipal sewage. It solves problems at WWTP of Kobe City caused by phosphorus and connects urban and rural areas. The</p>	<p>11:15 – 12:00</p>

<p>phosphorous is recovered efficiently, one of the valuable resources, from sewage, which might be called “an urban phosphate mine”.</p>	
<p>12:00 -13:30 Lunch</p>	<p>12:00 – 13:30 Lunch</p>
<p>12:15 – 13:00* Cosmo Koki co., Ltd. About Cosmo Koki co., Ltd <i>Presented by: Kensuke Nakazato</i></p> <p>One of our unique state-of-the-art technologies is the pipe work under pressure. Using the technology, we do pipe works like bypassing and valve insertion without shutting water supply.</p>	<p>12:00 – 13:30* Denmark Pavilion Danish approach to Energy Use and Recovery in the water sector <i>Presented by: Danish Minister, Water Utilities and companies</i></p> <p>Water is energy intensive; accounting 2 and 4 % of the total energy consumption in the world. In Denmark energy efficiency and energy recovery in the water sector has high priority. The Danish approach to energy savings and recovery will be presented followed by concrete examples from major Danish wastewater treatment plants.</p>
<p>13:30 – 14:15 KUBOTA Corporation Earthquake Resistant Ductile Iron Pipe (ERDIP) Projects in USA <i>Presented by: Takaaki Kagawa and Satoshi Suenaga</i></p> <p>Earthquake Resistant Ductile Iron Pipe (ERDIP) was developed in Japan in 1970’s. Its performance has been proven very successful having no documented failure in many big earthquakes for 40 years. From 2013, 9 water agencies in North America installed the ERDIP. In this session, ERDIP projects details in the U.S will be presented.</p>	<p>13:30 – 14:30 ISLE-IWA Emerging Technologies Program Challenges and Opportunities for Deployment of Water treatment World Wide</p> <p>Keynote 1: SMART Assets and Resilient Infrastructure by <i>Peter Simpson, CEO Anglian Water Group</i> Keynote 2: Recent technical advances in Suez Asia’s wide-ranging operations by Suez Panel Discussion: Moderated by Isle Utilities that will summarize lessons learned from the Best Practices and case studies and highlights strategies moving forward to accelerate the deployment of global water innovation around the World. Panel member: Anglian Water; Aqualia ; PureTerra Ventures; SWAN; SUEZ</p>
<p>14:15 – 15:00 Hitachi, Ltd. Hitachi’s Water treatment <i>Presented by: Zhang Tao, Yukiko Ichige, Shu Tsuda</i></p> <p>Hitachi introduces a variety of water technologies including desalination technologies (high-recovery system, energy saving and environmental friendly system) water reuse and advanced sewage</p>	<p>14:30 – 15:30 ISLE-IWA Emerging Technologies Program ISLE-IWA Emerging Technologies Pitches <i>Speaker: Benjamin Tam Head of Business Unit Strategic Projects, Isle Utilities</i></p> <p>Hear from entrepreneurs with innovative solutions to water challenges. Pitches with</p>

<p>treatment technology(Pegasus). This session provides our experiences and technical features for containerized / solar driven desalination system, nitrogen removal from waste water with retrofit solution for existing facility.</p>	<p>Q&A from a distinguished group of judges (SUEZ, Anglian Water, PureTerra Ventures). Emerging Technologies presenting include: Systea (Italy); Hawle Water Technology Norge (Norway); PowerTech Water (USA); Hydroko (Belgium); Hydro-dis (Australia); Terraheim (Korea)</p>
<p>15:00 -15:45 Coffee Break</p>	<p>15:00-15:45 Coffee Break</p>
<p>15:45 – 16:30 Bureau of Waterworks, Tokyo Metropolitan Government Efforts and international projects for Bureau of Waterworks Tokyo Metropolitan Government <i>Presented by: Hiroki Kusano</i></p> <p>International cooperation and partnership</p> <p>Bureau of Sewerage, Tokyo Metropolitan Government Promotion of technological development in Tokyo Metropolitan Government <i>Presented by: Shoko Kudo</i></p> <p>“Technological Development Promotion Plan 2016” and roadmap.</p>	<p>15:45 – 16:30 Meidensha Corporation Introduction to Meidensha Corporation Products & Services (Smart manhole cover and flood monitoring service in urban areas) <i>Presented by: Katsuya Sato</i></p> <ol style="list-style-type: none"> 1. Meidensha Corporation Products & Services Greater than 120 years of experience building power, water and rail infrastructure. 2. Cutting-edge technologies of flood-control system for disaster prevention. Smart manhole cover and flood monitoring service in urban areas.
<p>16:30 – 17:15 Japan Water Works Association Setting Water Rates for a Sustainable Water Utility Management Guidebook for Water Rate Revision <i>Presented by: Shunichi Sasahara</i></p> <p>JWWA “Guidebook for Water Rate Revision” 2017, establishing water rates and ensuring sound business. A useful guide in other countries.</p> <p>Cosmo Koki Co., Ltd. About Cosmo Koki Co., Ltd. <i>Presented by: Kensuke Nakazato</i></p> <p>One of our unique state-of-the-art technologies is the pipe work under pressure. Using the technology, we do pipe works like bypassing and the valve insertion without shutting water supply.</p>	<p>16:30 – 17:15 Africa Pavilion</p>

Tuesday 18th September 2018

Business Forum Room 1	Business Forum Room 2
<p>09:45-10:30 METAWATER Introduction of METAWATER Plant Engineering business - Anticipating the era of full-scale PPP by combining machine and electric technologies <i>Presented by: Noboru Okuda, Masao Tabata</i></p> <p>METAWATER is one of the leading water and environment engineering companies in Japan. This year marks 10th anniversary. We have been designed and installed mechanical and electrical equipment in drinking and wastewater treatment plant to provide any clients with the best solution. Our various service such as EPC as a general contractor, O&M, and privatization, make a contribution to realization of more sustainable social infrastructures.</p>	<p>09:45-10:30 Waterworks Bureau, City of Yokohama Companies Support Through International Cooperation <i>Presented by: Eriko Sawai</i></p> <p>Our initiatives to water related companies to expand their business abroad.</p> <p>Environmental Planning Bureau, City of Yokohama Promotion of International Cooperation by Yokohama City through Public-Private Partnership in Sewerage. <i>Presented by: Noriaki Yokouchi, Masayuki Shiga</i></p> <p>Yokohama City, aiming at solving environmental problems in sewage works. The cooperation, currently extending to World cities, collaborates with private companies and assist them.</p>
<p>10:30 – 11:15 KUBOTA Corporation Deep tunnel in Chicago, USA and pumping technology for drainage <i>Presented by: Tom Kunetz (WEF), Akiyoshi Kawamura</i></p> <p>Deep tunnel is a way to go for future sewerage network to control CSO & flood and to collect sanitary wastewater efficiently. In this forum, Tom Kunetz, President-Elect WEF tells about Chicago Deep Tunnel followed by KUBOTA's presentation on related solutions.</p>	<p>10:30 – 11:15 Xylem Inc. Autonomous Mobile Environmental Monitoring Platforms. <i>Presented by: Michael Watt</i></p> <p>From autonomous underwater vehicles to vessels of opportunity, hydrological sampling systems have become smaller smarter and more mobile to meet the increasing demands of environmental market.</p>
<p>11:15 – 12:00 KURIMOTO, Ltd. KURIMOTO information <i>Presented by: Kurimoto, Ltd.</i></p> <p>Kurimoto is a leading manufacturer of high quality custom engineered pipes and valves and with a long history of proven performance and contributed to security and safety of water supply since 1909. Kurimoto continues to refine technologies.</p>	<p>11:15 – 12:00 JFE Engineering Corp. JFE's Advanced Technology for Water Solutions <i>Presented by: Dr. Kaoru Kikuyama</i></p> <p>JFE Engineering is the leading engineering company in Japan and globally, whose strength lies in fields such as water- and environmental solutions. We will share our advanced technologies and solutions in EPC, O&M and business operation.</p>

<p>12:00 -13:30 Lunch</p>	<p>12:00 – 13:30 Lunch</p>
<p>12:15 – 13:00 * Swing Corporation Sustainable solution for maintaining water environment <i>Presented by: Tomoki Tateno, Shuto Kaneko, Sumiyo Sato</i></p> <p>Methane fermentation technologies and various installation results. Features -KUROBE PFI Biomass Recycling Plant: Convert coffee residue and sewage sludge into fuel and compost -KANDASTU Methane Fermentation Facility: Largest-scale kitchen waste biomass recycling plant in Japan</p>	<p>12:00 – 13:30 * Confederation of Danish Industry Smart solutions to reduce water leakage <i>Presented by: Danish Water Utilities and Water professionals from companies</i></p> <p>In many parts of the world, the water resources are over exploited, which makes it difficult to fulfil the drinking water demands on quantity and quality. At the same time the leakage of water in many utilities are high. New developments in leakage management using smart data will be presented.</p>
<p>13:30 – 14:15 Cosmo Koki co., ltd. About Cosmo Koki co., ltd <i>Presented by: Kensuke Nakazato</i></p> <p>Cosmo koki co.,ltd is a company which has specialities. One of our unique state-of-the-art technologies is the pipe work under presserure. Using the technology, we do pipe works like bypassing and the valve insertion without shutting water supply.</p>	<p>13:30 – 14:30 IWA-ISLE Emerging Technologies Program Challenges and solutions in water recycling from industrial waste water stream</p> <p>Keynote 1: AnMBR Technology: Boosting Circular Economy In Sewage Treatment by <i>Jose Ramon Vazquez Padin- Area Manager at the Department of Innovation of FCC Aqualia SA</i> Keynote 2: What makes a technology attractive in the eyes of an investor by <i>Maarten Ter Keurst, Director of Investments, PureTerra Ventures</i></p> <p>Panel Discussion by Isle Utilities, summarizing lessons learned from Best Practices and case studies and highlights strategies for innovative solutions in water recycling from industrial waste water stream. Panel member: Aqualia ; PureTerra Ventures; Isle Utilities; Suez</p>
<p>14:15 – 15:00 Meidensha Corporation Meidensha Corporation Products & Services (Ceramic Flat Sheet Membrane) <i>Presented by: Terutake Niwa</i></p> <p>1. Introduction Products & Services. More than 120 years of experience 2. Cutting-edge technologies in advanced water treatment systems. Ceramic flat sheet membrane technology allows for water purification and resource recovery for many industries.</p>	<p>14:30 – 15:30 IWA-ISLE Emerging Technologies Program IWA-ISLE Emerging Technologies Pitches <i>Speaker: Benjamin Tam Head of Business Unit Strategic Projects, Isle Utilities</i></p> <p>Hear from entrepreneurs with innovative (waste) water solutions. Pitches with Q&A from a distinguished group of judges (BASF, Aqualia, PureTerra Ventures).</p>

	<p>Emerging Technologies include: Blue Foot Membranes (Belgium); LG Sonic (Netherlands) Luminultra (Australia); Carex (Sweden); Aquafortus (New Zealand);</p>
<p>15:00 -15:45 Coffee Break</p>	<p>15:00-15:45 Coffee Break</p>
<p>15:45 – 16:30 Nihon Suido Consultants Co., Ltd. Innovative Technology of Maintenance and Management System for Water Supply and Sewerage <i>Presented by: Tatsuya Tobe</i></p> <p>Real-time Flood Management System, Inflow and Infiltration Survey Sewerage, Water Resource Management by Water Circulation Model, Reduction of Non-Revenue Water.</p> <p>Fuji Tecom Inc. Water Leak Prevention Equipment <i>Presented by: Masato Shimotsuya</i></p> <ul style="list-style-type: none"> • Water Leak Detection Equipment • Training Center (Equipment) • Equipment Supply, All Over the World 	<p>15:45 – 16:30 Netherlands Pavilion United Dutch water expertise – Integrated solutions for urban resilience and a circular economy <i>Presented by: Netherlands Water Partnership</i></p> <p>What do you do when you live in a small and densely populated country, where three major rivers flow out into the sea? You become creative, you organize, combine, invent and cooperate to make the most of your resources and space. Hallmark of Dutch water expertise is the integrated approach: water safety, water provision and infrastructure combined with the needs of people, planet and profit. Join the Business Forum and learn more about our wide range of expertise!</p>
<p>16:30 – 17:15 Nagaoka International Corporation Nagaoka Business to Effectively Utilize the Finite Water Resource <i>Presented by: Yasuhisa Umezu</i></p> <p>Unique and environmentally-friendly water intake and water treatment technologies. - Highly acknowledged with rich-experience and various application records in Japan and expanding business into China, Malaysia, Vietnam, Thailand.</p>	<p>16:30 – 17:15 Nukote Coating Systems Robotic Applications in Pipe Rehabilitations <i>Presented by: Michael Osborne</i></p> <p>360 Ringtech® Robotics are capable to consistently apply plural component elastomeric polyureas, polyurethanes and ancillary products required, for use as liners in the rehabilitation and new construction of liquid gathering, storage and distribution systems. Our linings system provides a competitive alternative to CIPP, PVC, Rubber and other slip lining technologies.</p>

Wednesday 19th September 2018	
Business Forum Room 1	Business Forum Room 2
<p>09:45-10:30 METAWATER Introduction of METAWATER Service Solution business - Service Solution Business strategy for utilizing ICT such as AI and cloud computer and Community-based relationship <i>Presented by: Makoto Shimizu</i></p> <p>METAWATER is one of the leading water and environment engineering companies in Japan. This year marks 10th anniversary. We have been designed and installed mechanical and electrical equipment in drinking and wastewater treatment plant to provide any clients with the best solution. Our various service such as EPC as a general contractor, O&M, and privatization, make a contribution to realization of more sustainable social infrastructures.</p>	<p>09:45-10:30 Kubota Corporation Kubota's MBR technology and Johkasou - Onsite Wastewater Treatment Plant <i>Presented by: Shinya Nagae, Yusuke Oi, Tsuyoshi Suzuki</i></p> <p>Introducing membrane bioreactor (MBR) technology with features of Kubota's Submerged Membrane Unit (SMU) and case studies of international and domestic application. Also introducing Johkasou, which is Japanese unique onsite wastewater treatment plant, which is recently contributing to improve water environment in Asian countries.</p>
<p>10:30 – 11:15 NJS Co., Ltd. Introduction of drones designed for inspection in sewerage pipes and other confined space. <i>Presented by: Patrik Ken Takeuchi</i></p> <p>Drones designed for inspection in sewerage pipes and other confined space.</p> <p>Kansei Company 300 years of sustainable sewer system <i>Presented by: Benoît Tisserand</i></p> <p>We challenge the maintenance and management of the sewer system that is indispensable for over half a century. We present our technologies in term of sewer pipes inspection robots.</p>	<p>10:30 – 11:15 Phoslock Water Solutions Ltd. Restoration of eutrophied lakes using modified clay (Phoslock) <i>Presented by: Nigel Traill</i></p> <p>Phoslock is a modified bentonite clay that has been applied to more than 250 eutrophied lakes worldwide to reduce phosphorus concentrations and mitigate against the risk of blue green algal (cyanobacterial) blooms. It is inert and harmless to aquatic life. Once bound, phosphate remains permanently locked within the clay matrix of Phoslock.</p>
<p>11:15 – 12:00 Hitachi, Ltd. Hitachi's Water Management <i>Presented by: Hideyuki Tadokoro, Koji Kageyama, Ichiro Yamanoi</i></p> <p>For water supply and sewerage to develop sustainably, it will be necessary to overcome challenges such as demographic change, energy saving, aging infrastructure, etc. Hitachi promotes the practice of working through the sense-think-act cycle</p>	<p>11:15 – 12:00 Swing Corporation Swing's sustainable solution for energy reduction <i>Presented by: Tomohiro Ikura, Mitsuru Shima, Natsuko Nakayama</i></p> <p>Changes in external environment such as natural disasters, aging facilities, and depopulation are important issues for managing infrastructure.</p>

<p>helping to pursue digital innovations. We will present about novel monitoring and control systems and O&M support systems using data analytics technologies.</p>	<p>Solutions such as disaster resilient equipment, energy saving membrane systems, efficient operation of facilities utilizing IoT to cope with these issues.</p>
<p>12:00 -13:30 Lunch</p>	<p>12:00 – 13:30 Lunch</p>
<p>12.15 – 13.00 NIHON GENRYO Co., Ltd. "Distributed Compact Water systems" & "Disaster Relief Water system" Optimum for Small-scale Water ~Cutting-Edge Technology for Washing Filtration Material <i>Presented by: Yasuhiro Saito, Hiroshi Ejima</i></p> <p>Japan is a country where tap water is fit to drink. However, small scale waterworks face challenges: aging facilities, a shrinking population and disaster response actions. Flexibility can be achieved by leveraging the outstanding mobility of "distributed compact water systems" based on unprecedented maintenance-free mobile filtration systems.</p>	<p>12.00 – 13.00 Confederation of Danish Industry Turning necessity into benefits <i>Presented by: Water professionals from utilities and companies</i></p> <p>Climate adaption in terms of urban blue-green resilience is an optimal way to mitigate increased flooding problems in cities. The key focus is on addressing the global climate changes and securing the vital urban infrastructure. Significant investments must be placed in sewage and stormwater, this session will showcase various ways address climate adaptation while improving city livability.</p>
<p>13:30 – 14:15 Cambi Group AS THP to enhance Anaerobic Digestion and generate costs savings <i>Presented by: TBC</i></p> <p>Cambi is a leading provider of technology for the conversion of sludge to renewable energy and high-quality biosolids. The company founded in 1989, has offices in 9 countries. 64 plants committed to the CambiTHP® process in the 21 countries, Cambi serves more than 70 million people around the globe.</p>	<p>13:00 – 14:45 SWAN Forum Program Introduction to the SWAN Forum and Insights on the Future of Water <i>SPEAKER: Frederick Royan VP /Global Leader, Environment & Water Practice - Frost & Sullivan</i></p> <p>SMART Strategic Round Table Discussion Day 3 of ETP will host a series of Strategic Round Table Discussions, where cross sector professionals and disciplines from finance, consultancy, technology providers, utilities, NGO's and industrial sector forwarded a new 'circular' perspective on Smart Water.</p>
<p>14:15 – 15:00 Tsukishima Kikai Co., Ltd. Advanced Sewage Sludge Incinerator Composed of Pressurized Fluidized Bed Incinerator and Turbocharger <i>Presented by: Saori Ito</i></p> <p>Combustion system composed of a Pressurized Fluidized Bed Incinerator (PFBI) and a turbocharger, for converting exhaust gas into surplus pressurized air.</p> <p>Japan Water Works Association Introducing Mutual Support System in the case of Disaster</p>	<p>14.45 – 15.00 ISLE-IWA Emerging Technologies Program ISLE- IWA Emerging Technologies Award Ceremony</p> <p>The winner of the Emerging Technologies Pitches will be announced by the Executive Director of IWA Organized by Isle Utilities & IWA</p>

<p><i>Presented by: Yohei Okazaki</i></p> <p>Japan Water Works Association is an organization with 1,400 utilities and 600 corporates as members. Our Mutual Support System allows effective and immediate support among water utilities in case of severe disaster.</p>	
<p>15:00 -15:45 Coffee Break</p>	<p>15:00-15:45 Coffee Break</p>
<p>15:45 – 16:30 AquaFlanders Smart Water Systems <i>Presented by: Bert De Winter</i></p> <p>Flanders is ready to monitor its water consumption remotely and at any time. AquaFlanders shows how Flanders will implement remote monitoring water consumption: from regulation to practice.</p> <p>Water Scarcity in Flanders <i>Presented by: Carl Heyrman</i></p> <p>As a result of the drought in 2017, AquaFlanders and its members from the Flemish water sector have set up an action plan to prevent a shortage of drinking water during the summer season.</p>	<p>15:00 – 16:30 Canada Pavilion Canada Water Seminar <i>Presented by: Robert Haller, Paul O’Callaghan</i></p> <p>IWA Canadian National Committee (CWWA & CAWQ) and the Embassy of Canada to Japan are organizing Canada Water Seminar and networking session on the following topics;</p> <ul style="list-style-type: none"> • The overview of Canadian water and waste water industry • Challenge and opportunities in Canadian market • Key Canadian technologies • Global water trend, emerging trend and key driver in Canada • Investment and R&D opportunities
<p>16:30 – 17:15 Xylem Inc Water Reuse <i>Presented by: Achim Ried</i></p> <p>Water reuse is a proven approach that can help meet growing water demands, while safeguarding existing water supplies. It produces high-quality water at low lifecycle costs and provides a resilient water source with economic and environmental co-benefits. Xylem's advanced treatment technologies demonstrate that wastewater can be purified beyond drinking water standards and reused safely for both potable and non-potable purposes.</p>	<p>16:30 – 17:15 Africa Pavilion</p>

Thursday 20th September 2018

Business Forum Room 1	Business Forum Room 2
<p>09:45-10:30 METAWATER Introduction of METAWATER PFI/PPP business - Adapting to the utilization of the private sector toward comprehensive and wider area management in Japanese water supply and sewerage business <i>Presented by: Masashi Sakai</i></p> <p>METAWATER is one of the leading water and environment engineering companies in Japan. This year marks 10th anniversary. We have been designed and installed mechanical and electrical equipment in drinking and wastewater treatment plant to provide any clients with the best solution. Our various service such as EPC as a general contractor, O&M, and privatization, make a contribution to realization of more sustainable social infrastructures.</p>	<p>09:45-10:30 AquaFlanders Smart Water Systems <i>Presented by: Bert De Winter</i></p> <p>Flanders is ready to monitor its water consumption remotely and at any time. AquaFlanders shows how Flanders will implement remote monitoring water consumption: from regulation to practice.</p> <p>Water Scarcity in Flanders <i>Presented by: Carl Heyrman</i></p> <p>As a result of the drought in 2017, AquaFlanders and its members from the Flemish water sector have set up an action plan to prevent a shortage of drinking water during the summer season.</p>
<p>10:30 – 11:15 Blue Foot Membranes Advantages of Integrated Permeate Channel membranes (IPC®) <i>Presented by: Patrick Vanschoubroek</i></p> <p>Integrated Permeate Channel membranes (IPC®) are the first fully back-washable flat sheet membranes. The advantages of these IPC® membranes is that they allow operating waste water units at an extraordinarily higher flux yield, with significant improved fouling control of the membranes and gives the membrane better filtration properties, but also makes it more sustainable.</p>	<p>10:30 – 11:15 Yokogawa Electric Corporation Yokogawa IoT Solutions for the Problems in Municipal Water Utilities <i>Presented by: Isao Mori</i></p> <p>In Japan, aging facilities, a shortage of skilled waterworks engineers, falling tax revenues and water sales due to depopulation will soon become serious problems. Municipal governments have been seeking solutions through public-private partnerships and regional collaboration. Yokogawa will present solutions through IoT technology and its expertise in measurement and control.</p>
<p>11:15 – 12:00 Hitachi Zosen Corporation Highly efficient water treatment system of HITZ <i>Presented by: Junichi Mori, Tadahiro Moriyama</i></p> <p>We present our efficient water treatment system applying our original fiber media for various water treatment. The light weight of the media realizes easy maintenance and lower running cost.</p>	<p>11:15 – 12:00 Taisei Kiko Co., Ltd. Development and Maintenance of Waterworks Infrastructure <i>Presented by: Tadahiro Yamada, Hideto Saito</i></p> <p>TAISEI KIKO has pioneered Japan's water and sewage pipeline maintenance sector, continuously engaged on the frontier or technological innovation in product development and maintenance.</p>

<p>We have completed the operation of the pilot plant for testing our high-efficient water treatment system in Indonesia. The data we had collected proves our system works very well.</p>	<p>Polyethylene pipe system association for water supply Evaluation of Seismic Performance on Polyethylene Pipe During an Earthquake <i>Presented by: Tsuyoshi Suzuki</i></p> <p>On the earthquake resistance of polyethylene pipe, we report the result of verification from both aspects of investigation and experiment of pipe damaged by earthquake.</p>
<p>12:00 -13:30 Lunch</p>	<p>12:00 – 13:30 Lunch</p>
<p>12.15 – 13.00 Taisei Kiko Development and Maintenance of Waterworks Infrastructure <i>Presented by: Tadahiro Yamada, Hideto Saito</i></p> <p>TAISEI KIKO has pioneered Japan’s water and sewage pipeline maintenance sector, continuously engaged on the frontier or technological innovation in product development and maintenance.</p>	<p>12.15 – 13.00</p>
<p>13:30 – 14:15 Sumitomo Electric Industries The features of PTFE MF/UF Membrane as Poreflon™ <i>Presented by: Takafumi Shinozaki</i></p> <p>Introduction to Poreflon™ Module, derived from porous separation membrane, developed by using proprietary processing technologies. Poreflon™ Module can be used for various applications.</p> <p>Toray Industries Development of the advanced UF differential pressure prediction system <i>Presented by: Kazunori Tomioka</i></p> <p>The advanced UF simulation technology was developed to predict UF performance by acquiring on-line fouling parameters by analyzing the actual operating data of UF plant.</p>	<p>13:30 – 14:15 SYSTEA SpA Easychem TOX Early Warning: on-line water analyzer for acute toxicity measurement by bioluminescent bacteria <i>Presented by: Luca Sanfilippo</i></p> <p>Easychem TOX Early Warning is an on-line analyzer for drinking water and environmental monitoring applications. The use of up to 20 industrially prepared dried bioluminescent bacteria vials, automatically rehydrated to ensure long term unattended operation down to 5 minutes frequency, coupled with its discrete analytical technology allows easy and reliable operations and low maintenance cost.</p>
<p>14:15 – 15:00</p>	<p>14.15 – 15.00 TSS Tokyo Water Co., Ltd. Tokyo’s Experience - 4% NRW Rate and Direct Supply <i>Presented by: Dr. Atsushi Masuko</i></p> <p>Tokyo Water has achieved a 4% non-revenue water rate while at the same time</p>

increasing pressure in the distribution network. This allows for a direct water supply to every 3 story building in Tokyo.

TSS Tokyo Water Co., Ltd.

Business Profiles of TSS Tokyo Water

Presented by: Noboru Saito

- TSS profile
- Domestic & Overseas Business
- Invitation to Our Exhibit Space