



**ISPE**<sup>®</sup> | Singapore  
Affiliate  
CONFERENCE AND EXHIBITION

28 - 30 AUG 2024 | SUNTEC SINGAPORE

# Re-imagining a Sustainable Pharma

## EVENT GUIDE

Main Sponsor

**SIEMENS**

Co-Sponsors



AtkinsRéalis

**exyte**

Virtual Track Sponsor



Track Sponsors

**nnit**



Lunch 'n Learn Workshop Sponsors

**ECOLAB**

**exyte**

**IR** Ingersoll Rand

**SIEMENS**

Supported By

**wsg**  
Workforce  
Singapore

For Updates & Registration:  
[www.ispesingapore.org](http://www.ispesingapore.org)



# Shape the *Future* of Pharma™

## BECOME AN ISPE MEMBER TODAY

ISPE highlights talents and contributions of global pharmaceutical industry members through in-person and virtual engagement opportunities. Members connect on career advancement topics and develop meaningful connections with industry thought leaders and the emerging workforce, creating opportunity for thought exchange, innovation, and collaboration. Learn more at [ISPE.org](https://ISPE.org).

**42 YEARS** of serving pharmaceutical professionals and leading innovation to improve patient health

**22,000+ MEMBERS** in over 120 countries

**40 AFFILIATES AND CHAPTERS** worldwide, representing ISPE on the local level

**A ROBUST LIBRARY** of on-demand training and e-learning resources and copies of the award-winning publication, *Pharmaceutical Engineering®* Magazine

**70+ GUIDANCE DOCUMENTS**, including over 35+ translated into languages other than English and 20+ complimentary Good Practice Guides\* that address industry best practices and regulatory expectations

**SIX INTERNATIONAL CONFERENCES** and hundreds of digital engagements and training courses per year

**24-HOUR ACCESS** to topic-specific Communities of Practice comprised of ISPE members worldwide



New members save \$40 on the admin fee and receive an exclusive ISPE Pin when using the code ISPE24SP at checkout.\*\*

[ISPE.org/Join](https://ISPE.org/Join)

## 2024 CONFERENCE CHAIR'S MESSAGE

Dear industry colleagues

On behalf of the Planning Committee, I'm delighted to invite you to ISPE Singapore Affiliate's 2024 Conference & Exhibition.

We look forward to meeting you and fellow professionals in the pharmaceutical industry this August. Our annual event has grown over the years to become a great gathering place to gain and exchange insights, as well as to have some fun!

This year's theme revolves around "**Re-imagining A Sustainable Pharma**". How is our industry future-proofing from ground up, to advance in a sustainable manner? How is this embedded within everything we do, from designing and planning new sites to operating and maintaining facilities? In this digital age, how is technology helping us to achieve this as we continue to provide medicines safely?

From digital transformation to industry best practices, regulatory trends, manufacturing technologies, and advanced therapies, we have curated a program that addresses the most pertinent issues facing us today.

Alongside the conference and exhibition, Open Tracks, site tours, workshops, networking and related events are available for you to optimise your available time.

Please join us as we explore the challenges and opportunities and discuss how we can work sustainably for the benefit of all.

Whether in-person, online or on-demand later, we hope you'll find this event valuable and enjoyable.

Warm regards,  
**Shanshan Liu**

**Shanshan Liu**

Conference Chair  
ISPE Singapore Affiliate  
Conference & Exhibition

**28 AUG**

### **Pre-Conference Workshop**

Designing an Effective Contamination Control Strategy (Cleaning and Disinfection) in Compliance to Annex 1

### **Site Tours**

- FOYA Award Winning Pfizer API Facility Extension
- Rockwell Automation's Singapore Customer Experience Center

### **Exhibition/Conference**

#### **Opening Hours:**

Thu, 29 Aug 9:00AM - 5:45PM

Pharmanite Networking 5:45PM - 7:00PM

Fri, 30 Aug 9:00AM - 4:00PM

**27 & 28 AUG**

### **ISPE GAMP® Basic Principles Training**

Basic Principles of Computerized Systems Compliance: Applying the GAMP® 5 Guide: A Risk-based Approach to Compliant GxP Computerized Systems Second Edition (T07)



**29 & 30 AUG**

### **Main Conference**

ONSITE & ONLINE (LIVESTREAM) for Registered Conference Attendees

### **Open Tracks**

ONSITE ONLY for all (including visitors)



# We're AtkinsRéalis, a world-class engineering services and nuclear organization.



[atkinsrealis.com](https://atkinsrealis.com)

We connect people, data and technology to transform the world's infrastructure and energy systems.

Together, with our industry partners and clients, and our global team of consultants, designers, engineers and project managers, we can change the world.

Our corporate purpose and values drive how we deliver value to customers, how we manage resources, and how we innovate. We are proud of our inclusive, diverse and energized work environment and share an open culture founded on our values: **safety, integrity, innovation, collaboration** and **excellence**.

**AtkinsRéalis**



# CONTENTS

Welcome	3
Lunch 'n Learn Workshops	9
Conference / Open Tracks – 29th	12–13, 15
Conference / Open Tracks – 30th	16–17, 19
Power Hour Talks	42–43
Exhibition Floorplan	45

 **Free Wi-Fi is available throughout Suntec Singapore**

## Featured Onsite Events:

### ISPE Communities of Practice (CoP) Meetings

29 Aug: 10:30 AM – 2:45 PM

### Women in Pharma Roundtable Lunch

30 Aug: 12:45 PM – 2:00 PM



### Emerging Leader's Networking

The Queen's Pub, 9 Raffles Blvd, Singapore 039596

30 Aug: 4:30 PM – 6:30 PM

**Maximize Your Experience – Download the Conference App!**



- Watch sessions live online / on-demand
  - Submit questions to speakers, panellists before and during live sessions
  - Message & chat with conference attendees
  - Access all approved conference slides
1. Search and download the 'evexus' app from the App Store or Google playstore
  2. For 'Event Code': scan the above QR or enter [www.ispesingapore.org](http://www.ispesingapore.org)
  3. Enter your registered email to receive a verification code
  4. Check your registered email for the code, enter it & you're on!



## YOUR PHARMA SOLUTION PROVIDER



**ENGINEERING SOLUTIONS**



**COMMISSIONING, QUALIFICATION & VALIDATION**



**QUALITY & COMPLIANCE**



**DIGITALIZATION WITH KNEAT**



**SPECIALIZED TRAINING**



**PROFESSIONAL RECRUITMENT SERVICES**

 **SINGAPORE**

 **SHANGHAI**

 **DUBLIN**



**hello@nodeviation.com**

**1SUPPLIER**

**Since 2009 your EQUIPMENT our SERVICE**

Pharmaceutical Equipment - Spare Parts - Services  
[1Supplier.com.sg](http://1Supplier.com.sg)

**Equipment for All Your Pharmaceutical & Life Sciences Needs**



**Partners**



**OPTIMA**

**PIERRE GUERIN**  
AN EQUANS COMPANY





## Enabling Quantum Leaps in Biopharma & Life Sciences



Better medical care, faster healing processes, a higher life expectancy — ambitious biopharma and life science companies are driving human progress with groundbreaking innovations. And we are their enabler: Exyte builds the industrial platforms on which their technological visions become reality.

Exyte is a world leader in the design, engineering services, construction, and fit-out facilities for pharmaceutical, nutrition, consumer care and specialty chemicals companies. We are ready to meet our clients' most complex requirements.

Exyte — Bringing the future of technology to life.

[exyte.net](https://exyte.net)



**Belletti e Ferrari**

Solutions for process technologies

[www.BellettieFerrarisrl.it](http://www.BellettieFerrarisrl.it)



## **Empowering life sciences manufacturing with cutting-edge digital transformation**

The Cognizant Life Sciences Manufacturing Group offers the following solutions:

- Batch automation
- Data infrastructure and intelligence
- Manufacturing execution systems
- Digital labs

**Visit us at booth #211 and don't miss our talk  
Unlocking Value with GenAI | August 29th, 2:30pm**



Access our website here





# LUNCH 'n' LEARN WORKSHOPS

Thursday 29 August | 12:30–1:30PM

## Powering Sustainable Pharma Manufacturing with Digital Twin

Hosted By: **SIEMENS**

Digital twins enable the digitization of the pharmaceutical industry including drug discovery, tech transfer, equipment engineering, and smart manufacturing in smart buildings.

By utilizing digital threads, a comprehensive digital twin approach can be achieved, leading to sustainable efficiency.

In this session you will learn how digital twin solutions help digitize pharma manufacturing for sustainable efficiency, including in-silico testing for the development of optimized processes.

## Comprehensive Approach to Future Lab Design – Flexible, Digital and Robotic Solutions

Hosted By: **exyte**

- Flexible lab design
- Digital lab design
- Lab design for robotics

Friday 30 August | 12:45–1:45PM

## Contamination Control Strategy: Assessing the Risks of Contamination Control Measures and Processes

Hosted By: **ECOLAB**

Manufacturers must have a process of continuous improvement, including cleaning/disinfection practices.

This interactive workshop will explore the typical steps in change journey.

It discusses purpose of each step and support to expect from reputable suppliers of cleanroom detergents and disinfectants.

## Best Practices for GMP Compliant Monitoring of Compressed Air Systems in Pharmaceutical Industry

Hosted By: **IR Ingersoll Rand**

1. Best GMP practices for Oil-free air compressors in the Pharmaceutical Industry.
2. Trends within the Pharma industry in Industry 4.0. Importance of 100% Oil-free Air
3. Compressor and Air Treatment in the Pharmaceutical Industry.

# Be a gain changer.

2x throughput with Supor™ Prime filters.

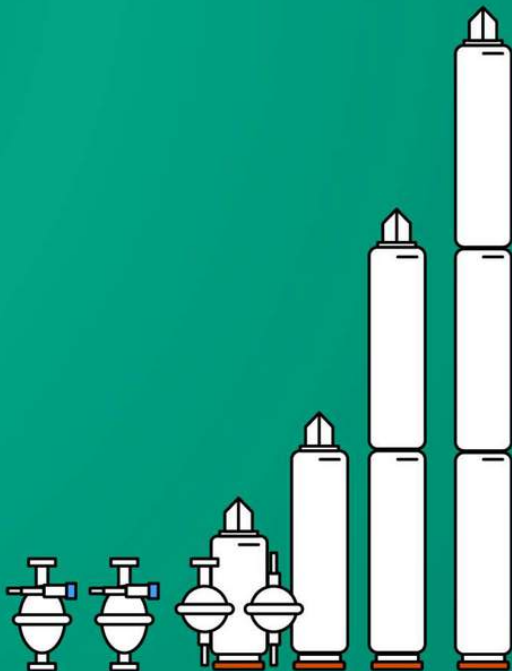
You can't afford to filter any other way.

Visit our booth 220!



[cytiva.com/supor-prime](https://cytiva.com/supor-prime)

Scan to contact our specialist



## #TeamUpToImprove

**Process improvement** is like climbing

With a strong partner, you can overcome any obstacle.

Just as athletes rely on their teammates, we know that partnering with our customers brings the same level of support and dependability in the area of manufacturing productivity. Together, we can overcome challenges and achieve a shared goal, optimizing processes with regards to economic efficiency, safety, and environmental protection. Let's improve together.

Do you want to learn more?  
[www.sg.endress.com](https://www.sg.endress.com)

Endress+Hauser   
People for Process Automation



GEMÜ Q30



GEMÜ Q40



GEMÜ Q50 eSyStep

**GEMÜ**

## GEMÜ Single-use pinch valves

**For pharmaceutical, biotechnology and cosmetics industries, foodstuffs and beverages**

- Fast, safe tube replacement
- Simple replacement of inserts and compressors for various tube sizes with the same actuator
- High quality and long service life
- Minimized strain on the tube thanks to the optimized compressor
- Adaptations with positioners and process controllers are possible (GEMÜ Q30 / Q40)
- Several actuator and body configurations available

[www.gemu-group.com](http://www.gemu-group.com)

**cobetter**

## Bioprocessing filtration from A to Z...

Cobetter, as a leading new technology innovation company based in China, we have been committed to the research and development of various microporous filtration membranes, nanofibers, and ultrafiltration membranes, providing innovative filtration and purification solutions for global customers. Our products and technologies are widely used in various industries such as biopharmaceuticals&pharmaceuticals, medical devices, semiconductor integrated circuits, etc.

We have developed more than ten unique core materials with over 600 patented technologies.



# MAIN CONFERENCE | 29 AUG

Onsite @ Suntec Singapore & Livestreamed

## 9:00AM **Welcome from ISPE**

**Alfonso Karli**, President, **ISPE Singapore Affiliate** & Director, GCMC Vaccines, **Pfizer**, Singapore  
**Jörg Zimmermann**, Past Chair, **ISPE**; Vice President External Affairs; **Vetter Pharma Fertigung GmbH & Co KG**, Germany

## 9:05AM **Chair's Opening Remarks**

**Shanshan Liu**, Conference Chair, **ISPE Singapore Affiliate** & Technical Director, **No deviation**, Singapore

## 9:10AM **Overview of WHO GMP Inspections in Asia**

**Vimal Sachdeva**, Senior GxP Inspector, **WHO**, Switzerland

## PLENARY: SUSTAINABLE PHARMA

### 9:30AM **OPENING PANEL: Re-Imagining a Sustainable Pharma: Harmonisation, Reliance, Convergence**

Moderator:

**Shanshan Liu**, Conference Chair, **ISPE Singapore Affiliate** & Technical Director, **No deviation**, Singapore

Panelists:

**Jörg Zimmermann**, Past Chair, **ISPE**; Vice President External Affairs; **Vetter Pharma Fertigung GmbH & Co KG**, Germany  
**Jessica Hale**, Global Regulatory Affairs & Clinical Safety, **Merck**, USA

**Vimal Sachdeva**, Senior GxP Inspector, **WHO**, Switzerland  
**Ellen Ying-Hua Chen**, Deputy Director of Quality Compliance and Management, **TFDA**, Taiwan

## 10:15AM **Networking Break**

## REGULATORY

### 11:00AM **Chair's Opening Remarks**

**Vee Revithi**, Senior Consultant to Pharmaceutical Regulatory Authorities on GMP, GDP; Greece

### 11:05AM **Regulation | Reliance | Recognition – TGA and Manufacturing for Supply in Australia**

**Jennifer Burnett**, Assistant Secretary, Manufacturing Quality, **TGA**, Australia

### 11:25AM **PMDA Update – GMP Regulatory Requirements in Japan**

**Dr Kentaro Hara**, Division Director, Division of Inspection for Drugs I, Office of Manufacturing Quality for Drugs, **PMDA**, Japan

### 11:45AM **REGULATORY ROUNDTABLE: International Harmonization and Reliance**

Moderator:

**Bob Tribe**, **ISPE Singapore** Regulatory Affairs Advisor, Australia

Panelists:

**Chong Hock Sia**, Director (Quality Assurance) & Senior Consultant (Audit & Licensing), Health Products Regulation Group, **Health Sciences Authority**, Singapore  
**Vimal Sachdeva**, Senior GxP Inspector, **WHO**, Switzerland

**Dr Kentaro Hara**, Division Director, Division of Inspection for Drugs I, Office of Manufacturing Quality for Drugs, **PMDA**, Japan  
**Jennifer Burnett**, Assistant Secretary, Manufacturing Quality, **TGA**, Australia  
**Ellen Ying-Hua Chen**, Deputy Director of Quality Compliance and Management, **TFDA**, Taiwan

## 12:30PM **Lunch & Exhibition Visit | ISPE CoP Combined Lunch | Lunch 'n Learn Workshops**

## DIGITAL TRANSFORMATION PHARMA 4.0

Track Sponsor **NNIT**

### 1:45PM **Chair's Opening Remarks**

**Wee Ming Chua**, Associate Vice President, **NNIT Singapore**

### 1:50PM **From Programming to Low Code/No Code, Aided by AI**

**Shaokai Hong**, Digital Transformation APAC, **Tulip Interfaces**, Singapore

### 2:10PM **Pharma 4.0+: Reimagining the Automation with Intelligence**

**Dr Pinghong He**, Design & Sustain Director, **Johnson & Johnson**, Singapore

### 2:30PM **Unlocking Value with GenAI: Case Studies in Pharma**

**Venkatesh Arunachalam**, General Manager APAC, **Cognizant**, Singapore

### 2:50PM **Digital Innovation: DDL Case Study**

**Jessica Hale**, Global Regulatory Affairs & Clinical Safety, **Merck**, USA

### 3:10PM **DIGITAL PHARMA PANEL: How Can Automation Help to Achieve Sustainability Goals?**

Moderator:

**Rajnish Narula**, Director, Business Excellence, **Pfizer**, Singapore

Panelists:

**Dr Pinghong He**, Design & Sustain Director, **Johnson & Johnson**, Singapore

**Jessica Hale**, Global Regulatory Affairs & Clinical Safety, **Merck**, USA

**Dr Knut Georgy**, Global Market Manager Process Analytics, **Knick Elektronische Messgeräte**, Germany  
**Dr Gilad Langer**, Head of DxP (Industry Practice Lead), **Tulip Interfaces**, USA

**Wilbur Ho**, Senior Director, Digital Manufacturing Operations, Asia Pacific, **MSD**, Singapore

## 3:55PM **Networking Break**



# MAIN CONFERENCE | 29 AUG

Onsite @ Suntec Singapore & Livestreamed

## CQV: AI & Digitalization

Track Sponsor



### 4:35PM Chair's Opening Remarks

**Sanjaya Nanjundiah**, Tech Lead, Quality & Compliance, **No deviation**, Singapore

### 4:40PM AI in Commissioning, Qualification & Validation

**Pierre Winnepenninckx**, CQV CoP Lead, **ISPE Singapore** Affiliate & CEO, **No deviation**, Singapore

### 5:00PM PANEL: The Good, the Bad, and the Ugly in CQV Practice: Navigating Challenges and Embracing Opportunities

Moderator:

**Pierre Winnepenninckx**, CQV CoP Lead, **ISPE Singapore** Affiliate & CEO, **No deviation**, Singapore

Panellists:

**Jernice Li**, Associate Director, Global Engineering C&Q, **Lonza**, Singapore

**Nazema Latiff**, Associate Director – FE, **Wuxi Biologics**, Singapore

**David Margetts**, CEO, **Factorytalk**, Thailand

### 5:45PM Chair's Remarks & Pharmanite Networking

## OPEN TRACKS | 29 AUG

Open To All

### TRACK 1 (Room 1)

#### DIGITALIZATION

#### 9:10AM Session Chair

**Lalit Bangera**, **ISPE Singapore 4.0 CoP**, Digitalisation Consultant, **Siemens**, Singapore

#### 9:15AM Cybersecurity Insights for Pharmaceutical Industry

**Chao Yian Soon**, Information Development Services Division Leader, **RoviSys Asia**, Singapore

**Phillip Taylor**, ASEAN Segment Lead of Network Security and Industrial Communications, **Siemens AG**, Singapore

#### 9:35AM EBR Insights and Challenges: Cell Therapy Case Study

**David Margetts**, CEO, **Factorytalk**, Thailand

#### 9:55AM Best Practice: How Automation and Standardization Improve Compliance & Productivity

**Dr Knut Georgy**, Global Market Manager Process Analytics, **Knick Elektronische Messgeräte**, Germany

### TRACK 2 (Room 2)

#### QUALITY

#### 9:10AM Session Chair

**Jen Chen**, Conference Vice-Chair, **ISPE Singapore**, QA/QC Manager, **Schneider Electric**, Singapore

#### 9:15AM Quality & Compliance in Emerging Markets

**Mrs Dang Thanh Tam**, Vice Technical Director, **Stellapharm J.V. Co., Ltd**, Vietnam

#### 9:35AM Quality Cultural Excellence in Japan: Developing Leaders for a Sustainable Pharma Industry

**Dr Hiroshi Yamaguchi**, Co-Chair, **ISPE APAC Council** & VQL Japan, Global Quality, **UCB**, Japan

#### 9:55AM Data Integrity – Beyond the Theory

**Veronique Veillette**, Associate Director, Head of Quality Control, **Lonza**, Singapore

10.15AM SESSION BREAK



a proud subsidiary of CPG International  
Headquartered in SINGAPORE

# Transforming water solutions

CPG Environmental Engineering offers a complete spectrum of integrated environmental engineering services and turnkey solutions tailored to your unique wastewater treatment needs. Specialising in industrial process water treatment solutions, we operate on a GLOBAL scale, serving the diverse and stringent needs of the pharmaceutical industry.

Our core strength is **PROVIDING ENGINEERED, TAILORED SOLUTIONS** that cater to your unique wastewater treatment needs. With over 22 years of experience, we have built a robust network of partners, offering our clients a comprehensive and competitive supply chain. We pride ourselves on delivering **HIGH-QUALITY SERVICES AT COST-EFFECTIVE RATES**, ensuring exceptional value for our clients in the pharmaceutical industry.



[contact@cpgeenv.com](mailto:contact@cpgeenv.com)



<https://www.cpgee.com.sg/>



# OPEN TRACKS | 29 AUG

Open To All

## TRACK 1 (Room 1)

10.30AM **Pharma 4.0 Plug & Produce SIP**  
**Joachim Komar**, Innovation Manager, **ZETA GmbH**, Austria

11.45AM-12.15PM **Introduction to Pharma 4.0**  
**David Bartlett**, SME Automation, **ISPE Singapore Affiliate**, Senior Manager, **No deviation**, Singapore

12.30-1.30PM **\*LUNCH 'n LEARN Workshop 1: Powering Sustainable Pharma Manufacturing with Digital Twin**

Hosted by **SIEMENS**

12.30-1.30PM **Combined CoPs Lunch**

### REGULATORY

1.40PM **Session Chair**  
**Alfonsus Karli**, President, **ISPE Singapore Affiliate** & Director, GCMC Vaccines, **Pfizer**, Singapore

1.45PM **Regulatory Quality Harmonization Committee (RQHC) Asia Pacific Focus Group**  
**Dr Stephen Firmer**, Immediate Past President, **ISPE Australasia** & Director, **Asia Pacific Consultants Pty Ltd**, Australia  
**Ryan Chan**, Head of Market Specific Requirements, Content Delivery, Global Regulatory Affairs, **GSK**, UK  
**Yu Liang**, Associate Director, Regulatory CMC/Technical Advocacy & Policy APAC, **MSD Singapore**  
**Dr Yuan Zhao**, CTO, **Jiangsu Hillgene Biopharma Co Ltd**, China  
**Alfonsus Karli**, President, **ISPE Singapore Affiliate** & Director, GCMC Vaccines, **Pfizer**, Singapore

2.45PM **GMP Compliance – Asia Pacific**  
Presenters:  
**Vimal Sachdeva**, Senior GxP Inspector, **WHO**, Switzerland  
**Ellen Ying-Hua Chen**, Deputy Director of Quality Compliance and Management, **TFDA**, Taiwan  
Panel: (Speakers plus...)  
**Bob Tribe**, **ISPE Singapore** Regulatory Affairs Advisor, Australia (moderator)  
**Dr Kentaro Hara**, Division Director, Division of Inspection for Drugs I, Office of Manufacturing Quality for Drugs, **PMDA**, Japan  
**Jennifer Burnett**, Assistant Secretary, Manufacturing Quality, **TGA**, Australia

4.30PM **Drug Shortage Prevention: Where are We?**  
**Jessica Hale**, Global Regulatory Affairs & Clinical Safety, **Merck**, USA

4.50PM **Session Close**

## TRACK 2 (Room 2)

10.30-11.00AM **Workshop 2.1 – Fully Automated Online Bioburden Monitoring for Pharmaceutical Water Systems**  
**Dr Jürgen Illerhaus**, Pharma Marketing and Business Development Manager, **BWT AQUA**, Switzerland

11.15-12.00PM **Critical Utilities in Pharma: International Collaboration for Excellence**  
**Stefan Raabe**, CU CoP Lead, **ISPE DACH**, Head of Strategic Account Management, **Endress + Hauser**, Switzerland

12.30-1.30PM **\*LUNCH 'n LEARN Workshop 2: Comprehensive Approach to Future Lab Design – Flexible, Digital and Robotic Solutions**

Hosted by **exyte**

12.30-1.30PM **Combined CoPs Lunch**

### HANDS ON CQV

1.40PM **Session Chair**  
**Pierre Winnepenninckx**, CQV CoP Lead, **ISPE Singapore Affiliate** & CEO, **No deviation**, Singapore

1.45PM **CQV CoP**  
**Pierre Winnepenninckx**, CQV CoP Lead, **ISPE Singapore Affiliate** & CEO, **No deviation**, Singapore

2.30PM **CQV Toolkit: Vendor Turnover Package**  
**Dan McAlister**, CEO, **EIDA**, Ireland

2.50PM **CQV Toolkit: Thermal Mapping**  
**Bhavesh Panchal**, Area Sales Manager, APAC, **Ellab Singapore**

3.10PM **Workshop 2.2: Realising Savings Through Paperless C&Q Execution – True or False?**  
**Joon Leong NG**, Director, **No deviation**, Singapore  
**Hans van den Hoogen**, Business Manager, **No deviation**, Singapore

3.55PM **Session Close**

# MAIN CONFERENCE | 30 AUG

Onsite @ Suntec Singapore & Livestreamed

## SUSTAINABLE MANUFACTURING

### 9:00AM Chair's Opening Remarks

**Stephanie Ledwidge**, Co-Chair, Women in Pharma, **ISPE Singapore Affiliate**, Associate, Life Sciences, **Linesight**, Singapore

### 9:05AM Delivering the Facility of the Year During a Pandemic

**Michael O'Hagan**, Senior Project Manager, **Exyte Singapore**  
**Michael Donegan**, Vice President, Growth & Sales Life Science, **Jacobs**, Ireland

### 9:25AM Sustainability Initiatives in BioPharma Manufacturing

**Ngee Ping Ng**, Head of Facilities and Engineering, **Roche Singapore Technical Operations**, Singapore

### 9:45AM PANEL: Can the Biomanufacturing Industry Reach Net Zero Carbon Emissions?

*Moderator:*

**Firman Ghouze**, Director of Global Strategy and Alliances, **Cytiva**, Singapore

*Panellists:*

**Ngee Ping Ng**, Head of Facilities and Engineering, **Roche Singapore Technical Operations**, Singapore

**George Lam**, Site Head, **Takeda**, Singapore

**Gary Khoo**, VP, CMC, **Hummingbird Bioscience**, Singapore

**James Cai**, Head of Engineering & Sustainability, Industrial, **AtkinsRéalis**, China

**Dr Bess Ng**, Principal Sustainability Consultant, **Schneider Electric**, Singapore

**Fujie Yeo**, Principal Manager, **Workforce Singapore**

### 10:30AM Networking Break

## CMC & QUALITY

### 11:00AM Chair's Opening Remarks

**Alfonso Karli**, President, **ISPE Singapore Affiliate** & Director, GCMC Vaccines, **Pfizer**, Singapore

### 11:05AM KEYNOTE: Navigating CMCs for ATMPs

**Dr Yuan Zhao**, CTO, **Jiangsu Hillgene Biopharma**, China

### 11:25AM Global Implementation of Post-Approval Changes: How Differences in Global Requirements Can Lead to Drug Shortages

**Ryan Chan**, Head of Market Specific Requirements, Content Delivery, Global Regulatory Affairs, **GSK**, UK

### 11:45AM Are We Ready for the Paradigm Shifts in the Upcoming ICH M4Q (R2)?

**Yu Liang**, Associate Director, Regulatory CMC/Technical Advocacy & Policy APAC, **MSD Singapore**

### 12:05PM ASK ANYTHING! CMC

**Alfonso Karli**, President, **ISPE Singapore Affiliate** & Director, GCMC Vaccines, **Pfizer**, Singapore (moderator)  
**Dr Yuan Zhao**, CTO, **Jiangsu Hillgene Biopharma**, China  
**Ryan Chan**, Head of Market Specific Requirements, Content Delivery, Global Regulatory Affairs, **GSK**, UK  
**Yu Liang**, Associate Director, Regulatory CMC/Technical Advocacy & Policy APAC, **MSD Singapore**  
**Dr Niki Wong**, Director, Global Technical Operations, CMC, **AbbVie Operations Singapore**

### 12:30PM Lunch & Exhibition Visit

### 12:45PM Lunch 'n Learn Workshops | Women in Pharma Roundtable Lunch

## ATMPs MANUFACTURING

### 2:00PM Chair's Opening Remarks

**Peiqing Zhang**, Vice President, **ISPE Singapore Affiliate**, Strategic Technology Partnership Leader Cell and Gene Therapy, APAC, **Cytiva**, Singapore

### 2:05PM ATMPs KEYNOTE: Strategies for CAR T Manufacture Process and Analytical Method Development

**Dr Xinpo JIANG**, Associate Vice President, Catalog Product Business Unit, **GenScript**, China

### 2:25PM ATMP Developments in Japan

**Tsutomu Igarashi**, Director & Biomanufacturing & ATMP CoP, **ISPE Japan**; Director Regional Lead, Capital Project & Portfolio / Automation; Global Engineering, **Takeda**, Japan

### 2:45PM Challenges for CGT Organizations in APAC

**John Ng**, General Manager, APAC, **Dark Horse Consulting Group**, Singapore

### 3:05PM PANEL: Expediting Affordable Advanced Therapies for Patients in Asia

*Moderator:*

**Peiqing Zhang**, Vice President, **ISPE Singapore Affiliate**, Strategic Technology Partnership Leader Cell and Gene Therapy, APAC, **Cytiva**, Singapore

*Panellists:*

**Dr Xinpo JIANG**, Associate Vice President, Catalog Product Business Unit, **GenScript**, China

**Tsutomu Igarashi**, Director & Biomanufacturing & ATMP CoP, **ISPE Japan**; Director Regional Lead, Capital Project & Portfolio / Automation; Global Engineering, **Takeda**, Japan

**Dr Yuan Zhao**, CTO, **Jiangsu Hillgene Biopharma**, China

**Dr Kitipong Uaesootrachoon**, CSO, **Genepeutic Bio**, Thailand

**Dr Sissi Lin**, Deputy Director, R&D Strategy, **Nucleic Acid Therapeutics Initiative (NATI)**, Singapore

**John Ng**, General Manager, APAC, **Dark Horse Consulting Group**, Singapore

### 3:50PM Chair's Remarks, Conference Ends



# OPEN TRACKS | 30 AUG

Open To All

## TRACK 1 (Room 1)

### ASEPTIC MANUFACTURING & ANNEX 1

#### 9:00AM Session Chair

**Jörg Zimmermann**, Past Chair, **ISPE International**; Vice President External Affairs; **Vetter Pharma Fertigung GmbH & Co KG**, Germany

#### 9:15AM Contamination Control – Lessons Learnt from Regulatory Observations

**Richard Chai**, Senior Technical Service Manager, **STERIS Corporation**, Singapore

#### 9:35AM Next Level Clean: Cleanroom Cleaning Guidance Updates

**Zhao Fei Ming**, Commercial Director, **Vileda Professional – Freudenberg Home and Cleaning Solutions**, China

#### 9:55AM Using Hydrogen Peroxide Vapour Bio-Decontamination to Meet Sustainability Goals

**David Keen**, Director Pharmaceutical Microbiology & Consulting, **Ecolab**, UK

10:15AM SESSION BREAK

#### 10:30AM Annex 1 – What Has Changed, What Has Not, and How to Get Compliant

**Kevin Owen**, Director of Aseptic Technologies-EMEA, **IPS-INTEGRATED PROJECT SERVICES PTE LTD**, UK

#### 10:50AM Case Study: Changeover of Quaternary Ammonium Compound Disinfectant

**Li Wei Chan**, Microbiology Manager, **MSD Singapore** & **Richard Chai**, Senior Technical Service Manager, **STERIS Corporation**, Singapore

#### 11:10AM Establishing Contamination Control Strategy: A Risk-Based Approach

**Sanjaya Nanjundaiah**, Tech Lead, Quality & Compliance, **No deviation**, Singapore

#### 11:30AM How AI is Increasing the Efficiency of Sterile Filling Lines

**Thorsten Meiser**, Technical Sales Manager Turnkey, **OPTIMA Pharma**, Germany

## TRACK 2 (Room 2)

### FACILITIES OF THE FUTURE

#### 9:00AM Session Chair

**Austin Lock**, Technical Director, Group Head of Technology, **PM Group**, UK

#### 9:15AM Simulation Enhanced Shopfloor Operations

**Magesh Ramadoss**, Business Development Manager, **ZETA GmbH**, Austria

#### 9:35AM Energy Simulation in Sustainable Planning

**Neeraj Goel**, General Manager, **Jacobs**, India

#### 9:55AM Considerations for Multi-Product Manufacturing Facilities

**Sabrina Xu**, Head of Novel Modalities and Investment Projects, **Merck Life Science**, Singapore

### CDMOs

#### 10:30AM Session Chair

**Chris Lee**, SME – CDMOs, **ISPE Singapore Affiliate**, Site Head, **WuXi Biologics**, Singapore

#### 10:35AM Empowering Sustainability: The Vital Role of CDMOs in Pharmaceutical Supply Chain Resilience

**Richard Lee**, Chief Executive Officer and Member of the Board, **LOTTE BIOLOGICS**, Korea

#### 10:55AM Challenges and Strategies on ADC Commercial Process Development and Manufacturing

**Dr Jimmy Li**, CEO, **WuXi XDC**, China

#### 11:15AM PANEL DISCUSSION: Facility Design and Building in Sustainable Manufacturing

**Austin Lock**, Technical Director, Group Head of Technology, **PM Group**, UK (Moderator)

**John Chen**, Vice President, Global Engineering, **WuXi Biologics**, China

**Sam Williamson**, Senior Director Operations Asia Pacific, **BioNTech Pharmaceuticals Asia Pacific**, Singapore

**Wallace Torres**, VP Site Operations, **Amgen**, Singapore

**Luca Mussati**, Vice President Technology Management BLS GBU, **Exyte**, Germany



# WE EXIST TO BUILD GREAT THINGS®

Great projects. Great teams. Great relationships. Great value.



**DPR Construction** is a forward-thinking, self-performing general contractor specializing in **technically complex and sustainable projects**. DPR's work ranges from large-scale new construction to minor A&A works. Founded in 1990, DPR is a great story of entrepreneurial success as an employee-owned company that grew to a multi-billion-dollar organization. Strategically focused on delivering predictable outcomes through applications of VDC, prefabrication, self-perform work, and leveraging data, DPR consistently ranks among top building contractors.

**A BCA-registered contractor with over 400 staff in Asia**, DPR brings global, technical and construction expertise to the region specializing in the **life sciences, advanced technology, commercial, and higher education** markets.

## SERVICES IN APAC

- Due Diligence Studies & Buildability Reviews
- Feasibility Studies
- Early Contractor Involvement (Preconstruction)
- Project Management
- General Contracting
- Construction Management
- BIM / VDC
- Design to Build
- Turnkey Fitout
- Greenmark / LEED / WELL Certification Management
- Commissioning
- Qualification & Validation

## LOCAL CORE MARKET FOCUS



## LOCAL ACCREDITATION & RECOGNITION



**DPR Construction, Asia Pacific Pte. Ltd.**  
48 Amoy Street, Singapore 069874

[www.dpr.com](http://www.dpr.com)

For any questions about our services, please contact:

**Simon Whiteside**  
SimonW@dpr.com  
+65 8233 2724

**Asanul Farhan Sani**  
AsanulF@dpr.com  
+65 9844 4399

# OPEN TRACKS | 30 AUG

Open To All

## TRACK 1 (Room 1)

11:50-12:20PM **ASK ANYTHING!**

Session chair and speakers

12:45-1:45PM **\*LUNCH 'n LEARN Workshop 3: Contamination Control Strategy: Assessing the Risks of Contamination Control Measures & Processes**

Hosted by **ECOLAB**

12:45-2:00PM **Women in Pharma Roundtable Lunch**

2:00-2:20PM **Next Generation of Aseptic Filling – Highest Flexibility Meets Regulations of Annex 1**

**Patrick Wieland**, Global Lead Business Development

**Tobias Wetzel**, Area Sales Manager, **Bausch+Ströbel**, Germany

2:25-2:55PM **Workshop 3.1 Flexible Facilities Design for Regulatory Compliance and Contamination Control Strategies**

**Austin Lock**, Technical Director, Group Head of Technology, **PM Group**, UK

3:00PM **Workshop 3.2: Developing a Successful Contamination Control Program for ATMP Facilities**

**Jim Polarine**, Senior Technical Service Manager, **STERIS Corporation**, USA

3:45PM **Session Close**



Help Us Improve!



## TRACK 2 (Room 2)

12:00-12:25PM **FOYA Facilities of the Year Awards: Preview and Invitation for 2024**

**Jörg Zimmermann**, Past Chair, **ISPE**; Vice President External Affairs; **Vetter Pharma Fertigung GmbH & Co KG**, Germany

12:45-1:45PM **\*LUNCH 'n LEARN Workshop 4: Best Practices for GMP Compliant Monitoring of Compressed Air Systems in Pharmaceutical Industry**

Hosted by **IR Ingersoll Rand**

12:45-2:00PM **Women in Pharma Roundtable Lunch**

## ADVANCED TECHNOLOGIES

2:00PM **Session Chair**

**David Bartlett**, SME Automation, **ISPE Singapore Affiliate**, Senior Manager, **No deviation**, Singapore

2:05PM **Bioreactor Monitoring & Decision Support Using Digital Twins to Improve Batch Success Rates**

**Dr Bhavik Mehta**, Solutions Consultant, **Siemens Digital Industries Software Ltd**, UK

2:25PM **Continuous Buffer Management System (CBMS): A Viable Alternative for Buffer Tank Farm**

**Zuwei Jin**, VP Business Development, **Lisure Technology Co**, USA

2:45PM **Innovation: GMP in Single Use**

**Alex Mueller**, Senior Expert Industry Manager Life Sciences, **Endress+Hauser**, Switzerland

3:05PM **Identification of Microorganisms: Challenges and Recent Trend in Pharmaceutical Laboratories**

**Meng Hua ONG**, Applications & Business Development Specialist-SEA, **Bruker Singapore Pte Ltd**

3:25PM **Smart Biomanufacturing through Technology Innovation – AI/ Digital Twin**

**Jing Zhou**, Life Science GM, Group VP, **Shanghai Shugao**, China

3:45PM **Session Close**





## About ISPE Singapore:

The International Society for Pharmaceutical Engineering (ISPE) is a nonprofit association dedicated to serving its members by driving scientific, technical, and regulatory advancements across the entire pharmaceutical lifecycle.

Established in June 2000, the ISPE Singapore Affiliate now boasts over 300 members and 5,000 supporters, primarily based in Singapore. The Affiliate is overseen by an Executive Committee comprising senior management from leading global and local pharmaceutical companies, along with their primary service providers in Singapore. <https://ispe.org/singapore-affiliate>

## Join The Conversation:



Follow us on LinkedIn:

<https://www.linkedin.com/company/ispe-singapore-affiliate>

Use our hashtag:

#ISPEsingapore24

## Subscribe to our Newsletter!



## Thanks to Our Media Partners & Supporters:



**BioPharma Asia**

<https://biopharma-asia.com/>



**BioSpectrum Asia**

<https://www.biospectrumasia.com/>



**Cold Chain Platform**

<https://www.coldchainplatform.com/>



**LabBulletin**

<https://www.labbulletin.com/>



**The Medicine Maker**

<https://themedicinemaker.com>



**Pharma Tech Outlook**

<http://www.pharmatechoutlook.com/>



**Pharma Focus Asia**

<https://www.biospectrumasia.com/>



**Workforce Singapore**

<https://www.wsg.gov.sg/>





Esco Lifesciences is a world-leading life science company with a diversified portfolio and sales in over 100 countries. As a manufacturer of laboratory and biopharma equipment, and IVF medical devices, Esco offers tailored solutions that fit the needs of laboratories in various industries.



#### Featured Products:

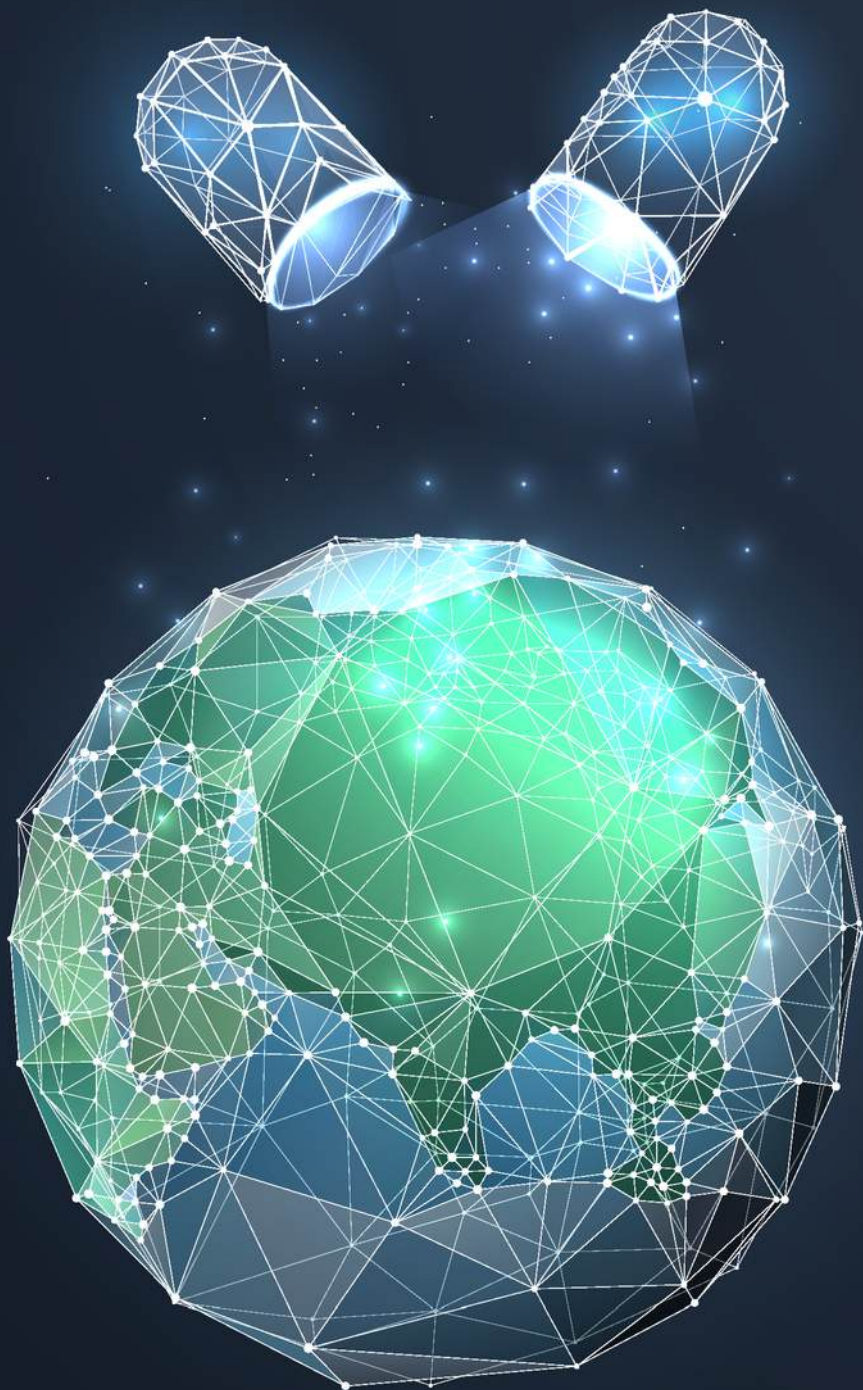
- Scaled down adherent cell culture bioreactors for small volume optimization, linearly scalable across GLP, Clinical and Commercial scale. Ability in parallel a scalable system that mimics your manufacturing environment.
- From 4 to 16 vessels with automated liquid handling.
- Adherent cell harvesting system.
- Fill & Finish systems for clinical and small scale commercial for cryovials and cryobags.
- General Processing Platform Isolators for both containment and aseptic handling.
- Lastly, our latest G4 worldclass worldwide biological safety cabinets!



**ESCO**  
HEALTHCARE



[www.escolifesciences.com](http://www.escolifesciences.com)



**YOKOGAWA**   
Co-innovating tomorrow™

## Prescription for Sustainability

The right sustainability and digitalization partner is crucial to help you strike the balance between your ESG goals and business, production, and quality assurance.

**ASSESS | MEASURE | PRIORITIZE |  
IT-OT CONNECT AND DEPLOY**



Embark on your first step with our  
COSIRI certified consultants.  
Find out more about the assessment  
methodology.



# The Next Generation of Wired Validation



Find us at  
**Booth 314**  
to know more



Stay compliant with confidence with the new **E-Val Pro™ Plus**

[www.ellab.com](http://www.ellab.com)



## TOTAL SOLUTIONS PROVIDER IN PHARMACEUTICALS

A professional team with a vast experience in the Scientific Industry, supplying scientific and laboratory equipment to the universities, research institutions and industries

Visit us during our power hour!

29 August 2024

DICKSON

11:45 AM - 12:00 PM:  
Best Practices of Wireless Environmental Monitoring in the Pharma Industry

SOTAX

30 August 2024

10:45 AM - 11:00 AM:  
Improving Drug Quality with Automated Testing Using Data Integrity to Outsourcing

IKA

02:20 PM - 02:35 PM:  
Pharmaceutical Manufacturing Solutions

YOKOGAWA

01:40 PM - 01:55 PM:  
Accurate & Efficient Testing of Biopharma Samples for USP787/788

Scan to visit our website!



Block 102 E Passi Panjang Road  
#02-07 Singapore 118529



[www.gaiascience.com.sg](http://www.gaiascience.com.sg)



+65 6897 2772



[enquiry@gaiascience.com.sg](mailto:enquiry@gaiascience.com.sg)



# Exhibitor Listings

## 1SUPPLIER

**Booth #231**

### 1 Supplier

<https://www.1supplier.com.sg/>  
sales@1supplier.com.sg  
+65 6316 5120



**Ami Polymer Pvt. Ltd.**  
"Sealing Expert in Silicone"

**Booth #741**

**Ami Polymer Pvt Ltd**  
<https://www.amipolymer.com/>



**Booth #714**

### Aber Instruments Ltd

<https://www.biomass-sensor.com/>  
fangyin.lee@biomass-sensor.com



**Booth #335**

**AMJ Supplies Pte Ltd**  
<https://amj.com.sg/>



**Booth #331**

### Aceplas

<https://www.aceplas.com.sg/>  
sales@aceplas.com.sg  
+65 6570 5060



**AtkinsRéalis**

**Booth #243**

**Co-Sponsor**

**AtkinsRéalis**  
<http://www.atkinsrealis.com/>



**Booth #701**

### Ace Sanitary

<https://acesanitary.com/>



**Booth #330**

**BAUSCH+STRÖBEL**

**Bausch+Ströbel**  
<https://www.bausch-stroeel.com>



**Booth #304**

### ADVANCED MANUFACTURING TECH SOLUTIONS PTE LTD (AMTSOL)

<http://www.amtsol.com/>



**Belletti e Ferrari**  
Solutions for process technologies

**Booth #204**

**Belletti e Ferrari**  
<https://bellettieferrarisrl.it/>  
oliveira@bellettieferrarisrl.it  
+65 9061 4348



**Bag Insert  
Sponsor**

### AlfaTech Asia

<https://www.atce.com.sg/>  
shamaine.chua@atce.com



**BILFINGER**

**Booth #242**

**BILFINGER LIFE SCIENCE**  
<https://www.bilfinger.com/en/>

# Exhibitor Listings



**Biocon Solutions Pte Ltd**

<http://www.bioconsolutions.com/>

**Booth #740**



**Cobetter Filtration Equipment Co.,LTD.**

<https://www.cobetterfiltration.com/>  
[candy.chen@cobetterfilter.com](mailto:candy.chen@cobetterfilter.com)

**Booth #212**



**Blynksolve**

<https://www.blynksolve.com/>  
[peter@blynksolve.com](mailto:peter@blynksolve.com)

**Booth #700**



**Cognizant**

<http://www.cognizant.com/pharmamanufacturing>

**Booth #211**



**Bruker**

<http://www.bruker.com/optics>

**Booth #730**



**COPADATA**

**COPA-DATA GmbH**

<https://www.copadata.com/en/industries/pharmaceutical/>  
[sales@copadata.com](mailto:sales@copadata.com)

**Booth #742**

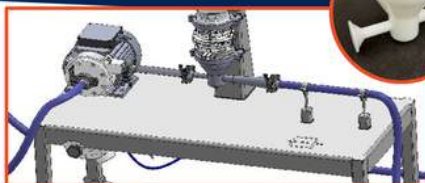


An Ingersoll Rand Business

## EZ JetFlow™

Prevent Cross-Contamination.  
Ensure High-Quality Supply.

ILC Dover's **single-use powder mixer** ensures product integrity, reduces downtime associated with cleaning and validation, and enhances overall efficiency. With a sterile, disposable system, EZ JetFlow™ accelerates time-to-market, making it an invaluable asset for any pharmaceutical production line.



Scale production while maintaining exceptional sterility and quality standards



Deliver diverse, high-quality products efficiently under strict regulations



Accelerate drug development and meet the rising demand for complex therapies

# Exhibitor Listings



**Virtual Track  
Sponsor**

**CPG Environmental Engineering Co. Ltd.**

<https://www.linkedin.com/company/cpg-environmentalengineering/>



**Booth #111**

**Lanyard Sponsor**

**DPR Construction**

<https://www.dpr.com/>  
sg-dprasiapacific@dpr.com



**Booth #220**

**Cytiva**

<https://www.cytivalifesciences.com/en/sg>



**Booth #303**

**Duoning Biotechnology Group**

<http://www.duoningbio.com/>  
jiangkaili@duoningbio.com



**Booth #300**

**Dou Yee International**

<https://www.douyee.com/en>  
marketing@douyee.com.sg



**Booth #241**

**Ecolab**

<https://www.ecolab.com/about/our-businesses/life-sciences>  
+18006593764

**Lunch 'n Learn  
Sponsor**



**KHI Engineering Pte Ltd**

**Booth 320**

KHI ENGINEERING PTE LTD was incorporated in 2011. Our principal activities are in supplying Alfa Laval hygienics flow equipment's required in food, dairy, beverage, personal care, biotechnology and pharmaceutical process applications, including :

- Pumps
- Valves
- Tank cleaning equipment
- Mixing equipment
- Installation material
- Plate heat exchangers
- Tubular heat exchanger
- Scraped surface heat exchangers



7, Soon Lee Street, #02-20/21, Ispace,  
Singapore 627608

Tel : (65) 6569 6966

Fax : (65) 6567 6966

Email : [sales@khiee.com](mailto:sales@khiee.com)

Web : [www.khiee.com](http://www.khiee.com)



# Exhibitor Listings



**Booth #203**

## EIDA Solutions

<https://www.eidasolutions.com/>  
[eoin.reidy@eidasolutions.com](mailto:eoin.reidy@eidasolutions.com)



**Booth #230**

## Esco Healthcare

<https://www.escolifesciences.com/>



Validation & Monitoring  
Solutions

**Booth #314**

## Ellab Singapore

<https://www.ellab.com/>



**Booth #250**

## Exyte

<https://www.exyte.net/>  
+65 6725 9500

*Co-Sponsor*

*Lunch 'n Learn  
Sponsor*



Endress+Hauser  
People for Process Automation

**Booth #311**

## Endress+Hauser Singapore

<https://www.sg.endress.com/en>  
[info.sg@endress.com](mailto:info.sg@endress.com)



**Booth #114**

## Flow Technology Ltd

<https://flowtechnology.ie/bio-pharmaceutical>  
[ishanahan@flowtechnology.ie](mailto:ishanahan@flowtechnology.ie)

**Booth  
322**

## (R)Evolution in Pharma Automation

- **Automates** and **standardizes** cleaning, and calibration for reliable pH measurements at any time
- **Maximizes** yield by minimizing sensor drift
- **Provides** seamless documentation for optimal compliance due to Audit Trail
- **Reduces** the risk of losing batches due to human influences

THE ART  
OF MEASURING

**Knick** >

## cCare | Pharma

Fully Automated Sensor Maintenance System



[knick-international.com](http://knick-international.com)



# Exhibitor Listings

**FLUOR**

Bag Insert  
Sponsor

**Fluor**

<http://www.fluor.com/>

**GETINGE** ✱

**Booth #123**

**Getinge South East Asia Pte Ltd**

<https://www.getinge.com>

[info.sg@getinge.com](mailto:info.sg@getinge.com)

+65 6296 1992



**Booth #310**

**Gaia Science Singapore**

<https://www.gaiascience.com.sg/welcome>

[enquiry@gaiascience.com.sg](mailto:enquiry@gaiascience.com.sg)



**Booth #350**

**Harro Höfliger**

<https://hoefliger.com/>

**GEMU**

**Booth #224**

**Gemu**

[https://www.gemu-group.com/en\\_EN/](https://www.gemu-group.com/en_EN/)

**HCS**

**Booth #745**

**HCS Group Limited**

<http://hcs.cn>

[snow.pan@hcs.cn](mailto:snow.pan@hcs.cn)

+86 1392 5147 821

**LISURE**  
PURIFICATION MADE SIMPLE.

101  
Booth no.



High Pressure  
Chromatography System



Automated Ultrafiltration  
System



Continuous Buffer  
Management System



Benchtop Pilot  
Chromatography System



Automated Alkaline Lysis  
System



Single-use  
Ultrafiltration System



Low Pressure  
Chromatography System



Automated Ultrafiltration  
TFF System



Hollow Fiber Ultrafiltration  
System

LISURE is a one-stop shop for downstream processing systems in the biopharmaceutical industry. We offer simple and robust solutions with expertise in flow system design, hardware fabrication, control strategy design, and quality management. Our products include Chromatography Skids, Columns, TFF/NFF Filtration Skids, Inline Dilution Skids, and SS Vessels, serving thousands of cGMP-regulated customers in China and internationally. Our largest systems handle up to 15,000 L/hr, with columns up to 2 meters in diameter. Single-use options are also available. Learn more at [www.lisure.com](http://www.lisure.com).



**#1 Trusted Supplier for +95 Years**

**ULTRAPURE  
WATER**



**WATER FOR  
INJECTION**



**PURIFIED  
WATER**



**VISIT US AT MECO  
BOOTH 252!**



[www.MECO.com](http://www.MECO.com) **#ISPESINGAPORE24**

# Exhibitor Listings



**Booth #744**

## I-Care Group

www.icareweb.com  
sg@icareweb.com  
+65 8535 3492



**Booth #320**

## KHI Engineering Pte Ltd

<http://www.khiee.com/>



**Booth #201**

## ILC Dover

<https://www.ilcdover.com/>  
roy.lee@ilcdover.com



**Booth #120**

## Kingspan Limited

<https://www.kingspan.com/>



**Booth #233**

## Ingersoll Rand Singapore Enterprises Pte Ltd

<https://www.irco.com/>  
kenneth.chew@irco.com

*Lunch 'n Learn  
Sponsor*



**Booth #322**

## Knick Elektronische Messgerate GmbH & Co KG

<https://www.knick-international.com>



**Booth #301**

## Körber Pharma Software Ltd. (Head Office)

<https://www.koerber-pharma.com/en/>



**Booth #302**

## IPS-Integrated Project Services Pte Ltd

<https://www.ipsdb.com/>  
ips@ipsdb.com



**Booth #323**

## Lab Science Solution Pte Ltd

<https://www.labsciencesolution.com/>  
enquiry@labsciencesolution.com



**Booth #100**

## ISPE Singapore

<https://ispe.org/singapore-affiliate>  
ispesingapore@ispesingapore.org  
+65 6826 1105



**Booth #110**

## LabWare Singapore Pte. Ltd.

<https://www.labware.com/>  
chamnong@labware.com  
+66 827 961 882



**Booth #222**

## Jacobs International Consultants Pte Ltd

<https://www.jacobs.com/>  
vijayshinde.dwarkanath@jacobs.com  
+65 6391 0350



**Booth #221**

## Lifescience Technology

<https://lifescience-technology.co.uk/>



## Paperless Seamless Integrated

We get you  
Pharma 4.0 ready

### Contact Information:

#### Michael Basa

Sales Executive

**Mobile:** +65 9108 3595

**Email:** hmcb@nnit.com

NNIT Singapore Pte Ltd  
Cross Street Exchange  
18 Cross Street #02-101  
Singapore 048423

Want to learn more about  
NNIT production solutions?

Scan the QR Code



[nnit.com](https://nnit.com)



# Exhibitor Listings



**Linesight Pte Ltd**

<https://www.linesight.com/marketing@linesight.com>

Registration &  
Coffee Cart  
Sponsor



**LOWENCO A/S**

<https://www.lowenco.com/>

**Booth #251**



**Linkmet Controls Pte Ltd**

[sales@linkmet.com](mailto:sales@linkmet.com)  
+65 6872 5682

**Booth #112**



**Meco**

<https://www.meco.com/jkoh@meco.com>

**Booth #252**



**Lisure Science (Suzhou) Co., Ltd.**

<http://www.lisurescience.com/en/marketing@lisure.com>  
+86 1850 512 4430

**Booth #101**



**Medhini**

<https://medhini.com.my/joel.william@medhini.com.my>

**Booth #113**

## CLEAN UTILITIES TO FILL-FINISH



The RMM device for  
bioburden monitoring



**BIOPHARMACEUTICAL PROCESS SKID  
DESIGN & FABRICATION**



- Filling & Stoppering  
Small Volume Parental (SVP)
- Cartoning, Casepacking  
& Palletizing
- PLUNGING, LABELLING &  
BACKSTOP ASSEMBLING



## Mixed4Sure™

Excellence in Mixing for  
Small Volume Formulation

### In-Booth Presentations

**Thursday**  
**August 29**  
**11:25AM**

**Friday**  
**August 30**  
**10:40AM**



Driving Sustainable

# IMPACT

Join us in enhancing productivity and efficiency

Discover how Digitisation and AI can lead  
Biomanufacturing to Net Zero Carbon Emissions at  
**Booth 210!**

Visit the Schneider Electric booth to explore our  
cutting-edge solutions and speak with our experts now!

Witness our impact firsthand:



# Exhibitor Listings



**Merck Pte Ltd**

<https://www.sigmaaldrich.com>

**Booth #254**



**Particle Measuring System (Spectris Pte Ltd)**

<https://www.pmeasuring.com/>  
[dora.tay@pmeasuring.com.sg](mailto:dora.tay@pmeasuring.com.sg)  
+65 9109 6230

**Booth #122**



**MH Multipack Sdn Bhd**

<https://www.mh2u.com.my/>  
[info@mh2u.com.my](mailto:info@mh2u.com.my)  
+60 102 868 786

**Booth #300A**



**pester  
pac automation**

**pester pac automation**  
<https://www.pester.com/en/>

**Booth #350**



**Nijhuis Saur Industries | Asia Pacific**

<https://www.nijhuisindustries.com/>  
[info.asia-pacific@nijhuisindustries.com](mailto:info.asia-pacific@nijhuisindustries.com)  
+65 9049 3179

**Booth #121**



**Pharmadule Morimatsu Pharmaceutical**

<http://www.morimatsu-lifesciences.com/>  
[liujuying@morimatsu-lifesci.com](mailto:liujuying@morimatsu-lifesci.com)  
+86 1560 1690 912

**Booth #202**



**NNIT Singapore**

<https://www.nnit.com>  
[tanm@nnit.com](mailto:tanm@nnit.com)

**Booth #240**

*Track Sponsor*



**PharmNXT Biotech Pte LLP**

[https://www.pharmnxtbiotech.com/new/](https://www.pharmnxtbiotech.com/new/enquiries@pharmnxtbiotech.com)  
[enquiries@pharmnxtbiotech.com](mailto:enquiries@pharmnxtbiotech.com)

**Booth #354**



**Noah Marine International Pte Ltd**

**Noah Marine International Pte Ltd**

<https://www.noahmarine.com/>  
[farzana@noahmarine.com](mailto:farzana@noahmarine.com)

**Booth #713**



**PM Group**

[https://www.pmgrounxtbiotech.com/new/](https://www.pmgrounxtbiotech.com/new/enquiries@pharmnxtbiotech.com)  
[singapore\\_general@pmgroup-global.com](mailto:singapore_general@pmgroup-global.com)

**Booth #253**



**No deviation**

[https://nodeviation.com/services/](https://nodeviation.com/services/hello@nodeviation.com)  
[hello@nodeviation.com](mailto:hello@nodeviation.com)

**Booth #203**

*Track Sponsor*



**Pro-Pack Materials**  
The FSC® & Chain-of-Custody Specialist

**Pro-Pack Materials Pte Ltd**

<https://www.pro-pack.com.sg/>  
[sales@pro-pack.com.sg](mailto:sales@pro-pack.com.sg)

**Booth #352**

# Exhibitor Listings



**Booth #351**

**PSC Biotech Pte Ltd**

[https://biotech.com/singapore\\_sales@biotech.com](https://biotech.com/singapore_sales@biotech.com)  
+65 6515 8081



**Booth #330**

**Rieckermann**

<https://www.riekermann.com/a.chang@riekermann.com>



**Booth #720**

**Quascenta**

<https://quascenta.com/>



**Booth #124**

**Rockwell Automation**

<https://www.rockwellautomation.com/en-sg/industries/life-sciences.html>



**Booth #114**

**Repassa**

<https://repassa.com/>



**Booth #336**

**Rovisys Asia**

<https://www.rovisys.com/>



A Member of PHC Group



Our friendly sales team is ready to assist you.  
+65 6779 3388, [sales@scimed.com.sg](mailto:sales@scimed.com.sg), [www.scimed.com.sg](http://www.scimed.com.sg)



**Introducing Hydroflex PurMop BLACK®: The Advanced Cleanroom Cleaning Solution Design**



- **Innovative Carbon Fiber Mop:** Light weight and easy to use hands-free design
- **Disposable Woven Microfiber Mops:** Low shedding, ensures thorough cleaning every time
- **Autoclavable Trolley System:** Durable and reusable, compatible with cleanroom environments

**PurMopBLACK®**

**C1**

Carbon Fiber Mop Systems  
Telescopic Handle & Frame

**PurMopBLACK®**

**F1-S**

Cleanroom Mop  
Sterile | Fillpack (ready to fill with fluid)  
Polyester-Microfiber



**Comprehensive offerings. Integrated Support.**

- VHP Room Decontamination
- Pure Steam Generator
- Multi Effect Water Still
- GMP Autoclaves and Parts Washer
- Research Autoclave and Washer
- Pharmaceutical Detergents
- Sanitizers and Disinfectants
- Sporicides
- Chemical and Biological Indicators
- Autoclave Bags, Pouches and Cover





# Exhibitor Listings



**Booth #325**

**Sanisure**

<https://sanisure.com/>  
[jlucero@sanisure.com](mailto:jlucero@sanisure.com)



**Booth #703**

**SCRI-IS Technologies**

<https://scriis.com/>



**Booth #210**

**Schneider Electric**

<https://www.se.com/sg/en/>

**S E F A R**



**Booth #214**

**Sefar Singapore Pte Ltd**

<https://www.sefar.com/en/>



**Booth #205**

**SciMed (Asia) Pte Ltd**

<https://scimed.com.sg>  
[sales@scimed.com.sg](mailto:sales@scimed.com.sg)  
+65 6779 3388



**WISKIND**

**Booth #324**

**Shandong Wiskind Clean Technology Co Ltd**

<https://www.wiskindcleanroom.com/>  
[1418542752@qq.com](mailto:1418542752@qq.com)



## Modular Solution Integrating Plant & Process

- >20 years experience in modular process design and project implementation
- Modular projects delivered in more than 40 countries worldwide
- Integrated solution from upstream to downstream for biopharma

**Booth: 202**



## LabWatch® IoT - An intelligent, cloud based monitoring / alarming system designed to protect critical GxP products and ensure patient safety



Email [info@trs.sg](mailto:info@trs.sg) or call +65 8228 3447

### Customer-specific process solutions for machine cleaning and sterilization

## SteelcoBelimed

**Miele** Group Member

#### The Belimed Life Science cleaning systems



#### The customizables – PH 8x0.2

Customer-specific GMP cleaning system for components in contact with the product in the manufacture, filling and packaging of pharmaceutical products

- GMP compliant
- 5 different standard sizes
- One and two door variants
- Cabin volume: from 307 to 1500 liters
- Loading height: 800 mm
- High degree of customization options

#### The compact one – PH 810

Compact GMP cleaning system for components in contact with the product for the production of medication or tests in laboratories

- One-door and two-door variant
- Cabin volume: 307 liters
- Loading height: 870 mm
- Max. Load of laundry: 80 kg

#### The flexible one – WD 750IND

Large-scale cleaning, disinfection and drying system with floor-level accessibility of the cabin

- From 2200 to 5500 litres chamber volume
- Hygienic design
- Floor-level loading possible
- Highest quality
- Available with the latest B-Touch software

#### The Belimed Life Science sterilizer

#### The versatile – PST.2

The PST.2 sterilizer can be ordered in 19 different standard sizes, which can also be optimized to meet your individual customer requirements

- For the sterilization of solid, liquid, porous and difficult to vent products
- Large variety: for big and small – always the right product
- Modular modular concept
- Touchscreen control

#### Belimed Life Science AG

Zelgstrasse 8  
Sulgen  
Switzerland  
[info@belimed-lifescience.com](mailto:info@belimed-lifescience.com)  
+41 71 4994 000



go to website



go to youtube

# Exhibitor Listings



**Booth #332**

**Shanghai ShuGao Mechanical & Electric Co., Ltd**  
<https://www.shugaome.com/>  
[sale@shugaome.com](mailto:sale@shugaome.com)



**Booth #244**

**Thermo Fisher Scientific Pte Ltd, Singapore**  
<http://www.thermofisher.com/patheon>  
[pharmaservicesapac@thermofisher.com](mailto:pharmaservicesapac@thermofisher.com)

**SIEMENS**

**Booth #215**

**Siemens Pte Ltd**  
<https://www.siemens.com/pharma>

*Main Sponsor*

*Lunch 'n Learn Sponsor*



**Booth #353**

**T&J Bio-engineering (Shanghai) Co., Ltd.**  
<https://www.tjxbio.com/>  
[lishaoli@parallel-bioreactor.com](mailto:lishaoli@parallel-bioreactor.com)



**Booth #312**

**Spirax Sarco Singapore**  
<https://www.spiraxsarco.com/global/en-SG>  
[spirax.singapore@sg.spiraxsarco.com](mailto:spirax.singapore@sg.spiraxsarco.com)

**Tofflon**

**Booth #213**

**Tofflon Malaysia**  
<https://www.tofflon.com/>  
[info.sg@tofflon.com](mailto:info.sg@tofflon.com)  
 +65 8691 8681



**Booth #221**

**SteelcoBelimed**  
<https://www.belimed-lifescience.com/>  
[info@belimed-lifescience.com](mailto:info@belimed-lifescience.com)  
 +41 71 4994 000



**Booth #240**

**Tulip**  
<https://tulip.co/>  
[haiyi.foo@tulip.co](mailto:haiyi.foo@tulip.co)



**Booth #205**

**STERIS**  
<https://www.sterislifesciences.com/>



**Booth #350**

**Uhlmann**  
<https://www.uhlmann.de/>  
[info@uhlmann-singapore.com](mailto:info@uhlmann-singapore.com)  
 +65 6904 0168



**Booth #710**

**TERUMO**  
<https://www.terumo.com/business/pharmaceutical-solutions>  
[victorian\\_ang@terumo.co.jp](mailto:victorian_ang@terumo.co.jp)

**VAISALA**

**Booth #731**

**Vaisala Oyj**  
<https://www.vaisala.com/>



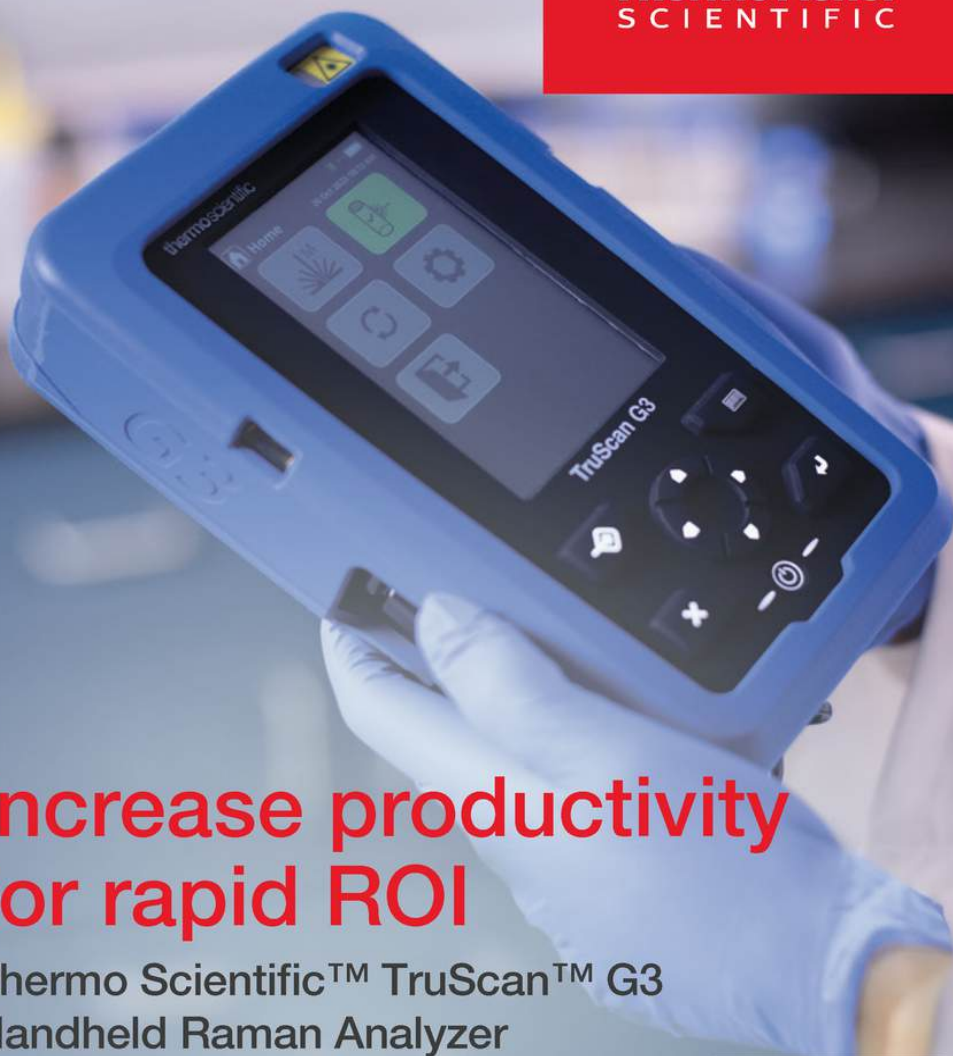
**Booth #309**

**The Reference Standard Pte Ltd**  
<https://www.trsg.sg/>



**Booth #721**

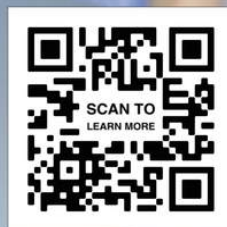
**Venair**  
<https://www.venair.com/>  
[ilopez@venair.com](mailto:ilopez@venair.com)



# Increase productivity for rapid ROI

## Thermo Scientific™ TruScan™ G3 Handheld Raman Analyzer

- Rapid, accurate material identification and verification at anytime.
- Minimize lab sampling - non-destructive-point-and-shoot sampling
- Enhanced 21 CFR Part 11 compliance



 Learn more at [thermofisher.com/qaqcsolutions](https://thermofisher.com/qaqcsolutions)



# Exhibitor Listings



**Booth #313**

**Vetter Pharma International GmbH**

<https://www.vetter-pharma.com/en>  
[infoasiapacific@vetter-pharma.com](mailto:infoasiapacific@vetter-pharma.com)

**wood.**

**Booth #351A**

**Wood PLC**

<https://www.woodplc.com/solutions/key-markets/materials/life-sciences>



**Booth #334**

**Vileda Professional / Freudenberg Home & Cleaning Solutions**

<https://ce.vileda-professional.com/neven.chai@fhp-ww.com>  
+60 162 233 813

**YOKOGAWA** ◆

**Booth #704**

**Yokogawa Engineering Asia Pte Ltd.**

<https://www.yokogawa.com/sg/industries/pharmaceutical/#Overview>



**Booth #225**

**Wisely Goba Solutions Pte Ltd / Levitronix / ZETA**

<https://wisely.com.sg/wgs/enquiry@wisely.com.sg>  
+65 9688 8305

**ZETA**

**Booth #223**

**ZETA GmbH (works with Wisely)**

<https://www.zeta.com/en/sushaant.bakhr@zeta.com>

**VISIT US AT BOOTH 225**  
**Wisely Goba Solutions Pte Ltd**  
[www.wisely.com.sg](http://www.wisely.com.sg)

**NEXT  
GENERATIONS  
THERAPY  
MANUFACTURING**



**LEVITRONIX®**

Better Products for Better Yield

# POWER HOUR TALKS | 29 AUG

Onsite Only at Suntec Singapore | Free to Attend at Exhibitors' Booths

	Talk 1	Talk 2	Talk 3	Talk 4
	241 Ecolab	350 Uhlmann, Harro Höfliger, pester pac automation	250 Exyte	240 Tulip Interfaces
10:25 - 10:40	Disinfectant Residue Management: An introduction	Latest Trends in Pharma Production & Productivity	Digital Solutions for the Engineering of the Future	AI for the Operators: Using Tulip Frontline Copilot to Improve Operations
	210 Schneider Electric	330 Bausch+Ströbel / Rieckermann	336 RoviSys Asia	215 Siemens
10:45 - 11:00	Next Generation Pharma Manufacturing	Update on Annex 1 with Fill & Finish & Pharma Engineering Services	Optimizing Quality: MES Execution Strategy for Enhanced Manufacturing	Enabling Smart Manufacturing with Agile Production in Challenging Environments
	254 Merck	332 Shanghai ShuGao Mechanical & Electric	244 Thermo Fisher Scientific	201 ILC Dover
11:05 - 11:20	Bioconjugation at the Forefront: Innovating for ADCs	Bioreactor Design Experience Sharing	Cutting-edge Steriles Manufacturing and Technology Transfer: Enhancing Efficiency and Quality	Novel Single-Use JetMixer for Powder-to-Liquid Media and Buffer Mixing
	211 Cognizant Technology Solutions	203 No deviation	325 Sanisure	233 Ingersoll Rand Enterprises
11:25 - 11:40	Enhancing Process Control with Integrated Batch & Continuous Strategies to Drive Innovation	Using Kneat As A Tool for Always Audit-Ready	Enhancing Single-Use Mixing Processes for Small Volume Parenteral Formulations	Maintaining Reliable 100% Oil-Free Air For Pharmaceutical Applications
	212 Cobetter Filtration Equipment	220 Cytiva	310 Gaia Science	101 Lisure Science
11:45 - 12:00	PUPSIT - Design Considerations for Final Sterile Filtration	Advancement Hardware and Automation in Chromatography System	(Dickson) Best Practices of Wireless Environmental Monitoring in the Pharma Industry	Advances in Downstream Processing Technologies and Continuous Buffer Management System (CBMS)
	114 BWT Pharma Water	314 Ellab Singapore	210 Schneider Electric	
2:00 - 2:15	The First Primary Validated Online Bioburden Monitoring System for Pharmaceutical Water	Save Time and Money by Optimising your Thermal Validation Setup	Achieving your Sustainability Goal Through Digitalization	
	211 Cognizant Technology Solutions	310 Gaia Science	325 SaniSure	
2:20 - 2:35	Utilising Digital Transformation to Advance Through Level 3 Connected and Beyond	(IKA) Pharmaceutical Manufacturing Solutions	Enhancing Single-Use Mixing Processes for Small Volume Parenteral Formulations	
	203 No deviation		215 Siemens	
2:40 - 2:55	Latest Trend in QbD		Simplifying Integration of OEM Machines in Secondary Pharma	
	322 Knick Elektronische Messgeräte	212 Cobetter Filtration Equipment	101 Lisure Science	
4:00 - 4:15	Automation and Standardization with cCare for Pharma	Cobetter Platform for Cell and Gene Therapy Processes	Advances in Downstream Processing Technologies and Continuous Buffer Management System (CBMS)	
	220 Cytiva	114 BWT Pharma Water	201 ILC Dover	
4:20 - 4:35	Single-Use Quality by Design & PUPSIT	Flow Cytometry as Alternative to Heterotrophic Plate Count for Pharmaceutical Water	Novel Single-Use JetMixer for Powder-to-Liquid Media and Buffer Mixing	

# POWER HOUR TALKS | 30 AUG

Onsite Only at Suntec Singapore | Free to Attend at Exhibitors' Booths

	Talk 1	Talk 2	Talk 3
10.05-10.20	240 Tulip Interfaces	330 Bausch+Ströbel / Rieckermann	203 No deviation
	Practical Implementation of Validation 4.0 for eBR	Update on Annex 1 with Fill & Finish & Pharma Engineering Services	[Blynksolve] : A Digital Platform for Simplified Tech
10.25-10.40	250 Exyte Central Europe GmbH	241 Ecolab	350 Uhlmann, Harro Höfliger, pester pac automation
	Enhancing Digital Integration in the Production Plant	Hydrogen Peroxide Vapor Bio-decontamination	Latest Trends in Pharma Production & Productivity
10.45-11.00	233 Ingersoll Rand Enterprises	310 Gaia Science	325 Sanisure
	Maintaining Reliable 100% Oil-Free Air For Pharmaceutical Applications	(Sotax) Improving Drug Quality with Automated Testing Using Data Integrity to Outsourcing	Enhancing Single-Use Mixing Processes for Small Volume Parenteral Formulations
11.05-11.20	244 Thermo Fisher Scientific	332 Shanghai ShuGao Mechanical & Electric	210 Schneider Electric
	Sustainability in Bioprocessing: Maximizing Efficiency While Reducing Environmental Impacts	Bioreactor Design Experience Sharing	Next Generation Pharma Manufacturing
11.25-11.40	254 Merck	220 Cytiva	212 Cobetter Filtration Equipment
	An Innovative Approach to Streamline Raman Implementation for Cell Culture Processes using One-Batch Calibration	Data Management Systems for Filter Integrity	mRNA Vaccine Manufacturing Strategy and Cobetter Offerings
11.45-12.00	114 BWT Pharma Water	211 Cognizant Technology Solutions	215 Siemens
	Validation Procedure for (IPC) and QC of Online Bioburden Monitoring for Pharmaceutical Water Systems	Transforming Project Vision into Reality Through an Effective Automation Engineering Office	Integrating AI-powered solution for Predictive Maintenance in Pharma
1.40-1.55	314 Ellab Singapore	310 Gaia Science	336 RoviSys Asia Company
	The Next Generation of Wired Validation	(Yokogawa) Accurate & Efficient testing of Biopharma Samples for USP787/788	MEES: Turning Data into Actionable Intelligence
2.00-2.15	322 Knick Elektronische Messgeräte	210 Schneider Electric	203 No deviation
	Automation and Standardization with cCare for Pharma	Achieving your Sustainability Goal Through Digitalization	[Eida]: Electronic Document Management
2.20-2.35	325 SaniSure	212 Cobetter Filtration Equipment	215 Siemens
	Enhancing Single-Use Mixing Processes for Small Volume Parenteral Formulations	Tangential Flow Filtration Solutions to Meet Complex and Novel Biologic Processes	Innovative Sitewide Documentation Management for Pharma Compliance and Efficiency
2.40-2.55	201 ILC Dover		220 Cytiva
	Novel Single-Use JetMixer for Powder-to-Liquid Media and Buffer Mixing		Cytiva Housings Design and Compliance Documentation



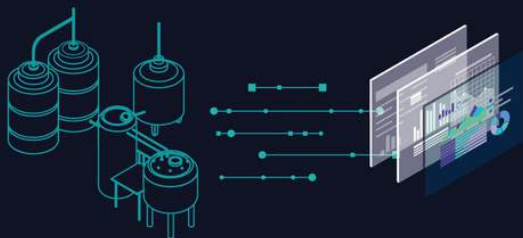
## Accelerate smart manufacturing for pharmaceuticals

The pharmaceutical industry faces increasing demand to deliver therapies quickly. The ability to produce at scale and adjust production rapidly on demand is critical for the success.

Using the Smart manufacturing solution for pharmaceuticals increase the flexibility of your plants and produce faster and at scale while keeping quality under control. Harness operational insights to perpetually enhance efficiency and construct a forward-thinking, viable manufacturing strategy.

Learn how can you maximize operational readiness and efficiency without compromising quality.

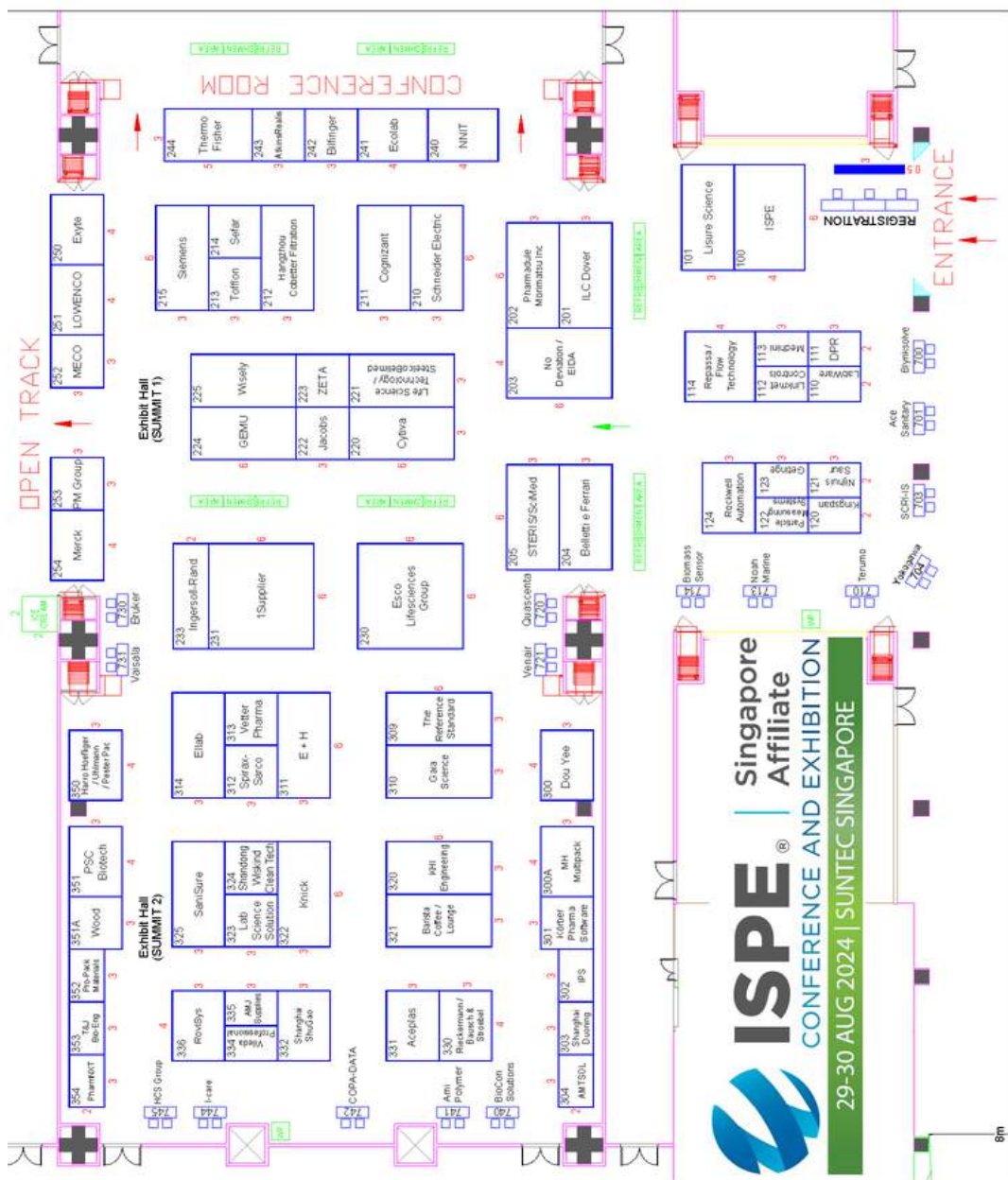
Scan QR  
code to  
download  
exclusive  
ebook



Visit us at **Siemens booth#215**

# SIEMENS





# Thank You To Our Sponsors and Exhibitors

## See You Next Year 28 – 29 August 2025

1SUPPLIER

ABER

ACEplas  
Your Trusted Partner

ACE Sanitary

AMTSOL  
Advanced Membrane Technology Solutions

ALFATECH  
ASIA

Ami Polymer Pvt. Ltd.  
"Shaping Experts in Silicone"

AMBI

AtkinsRéalis

BAUSCH+STROBEL

BSF Belletti e Ferrari  
Solutions for process technologies

BiLFINGER

BioCon

blynksolve

BRUKER

cobetter®  
Filtration

cognizant

COPADATA

CPG  
CORPORATION

cytiva

DOU YEE  
ENTERPRISES

DPR  
CONSTRUCTION

DYONING

ECOLAB

EIDA

Cellab  
Validation & Monitoring  
Solutions

EH  
Endress+Hauser  
Pneumatische Automation

ESCO  
LIFESCIENCES GROUP

exyte

flow  
technology

FLUOR

Gaia  
Science

GEMÜ

GETINGE

HH Harro Höfliger

HCS

Icare™

ILC DOVER  
Air Separation Plant & Chemicals

IR Ingersoll Rand

ips

Jacobs

KH

Kingspan

Knick

KÖRBER

LSS  
Lab Science Solution

LABWARE®

Lifescience  
Technology  
Solutions

Linesight

LINKMET  
DISTRIBUTION • CONTROLS

LiSURE

LOWENCO

MECO  
A BAKKER COMPANY

medhini  
YOUR PROJECT • OUR PASSION

MERCK

mh2u.com  
Pharma Dosing & Filling

nijhuis

NNIT

Noah Marine International Pte Ltd

Nd

PARTICLE  
MEASURING  
SYSTEMS  
• SPECTRUM • SERVICE

pester  
pac automation

pharmadule  
A Reinhardt Group Company

PharmNXT

PM  
GROUP

Pro-Pack Materials  
The DPM Classroom Specialist

PSCbiotech

Quascenta

REFASSA

Rieckermann

RA Rockwell Automation

REVISYS  
Solutions for Process Industries

SANISURE  
SOLUTIONS BRASSER FOUNDATION

Schneider  
Electric

SciMed  
A Member of HPL Group

SCRI-IS

SEFAR

WISKIND

ShuGao  
Life Science

SIEMENS spirax/sarco

SteelcoBelimed

STERIS  
Life Sciences

TERUMO  
MEDICAL CARE  
SOLUTIONS

The Reference  
Standard

ThermoFisher  
SCIENTIFIC

TJX

Tofflon

TULIP

Uhlmann  
UHLMANN GROUP

VAISALA

venair

VETTER

vileda  
PROFESSIONAL

WISLEY

wood.

YOKOGAWA

ZETA