

# cleanzone

MIDDLE EAST

November 12 – 13, 2018  
Conrad Hotel, SZR, Dubai

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

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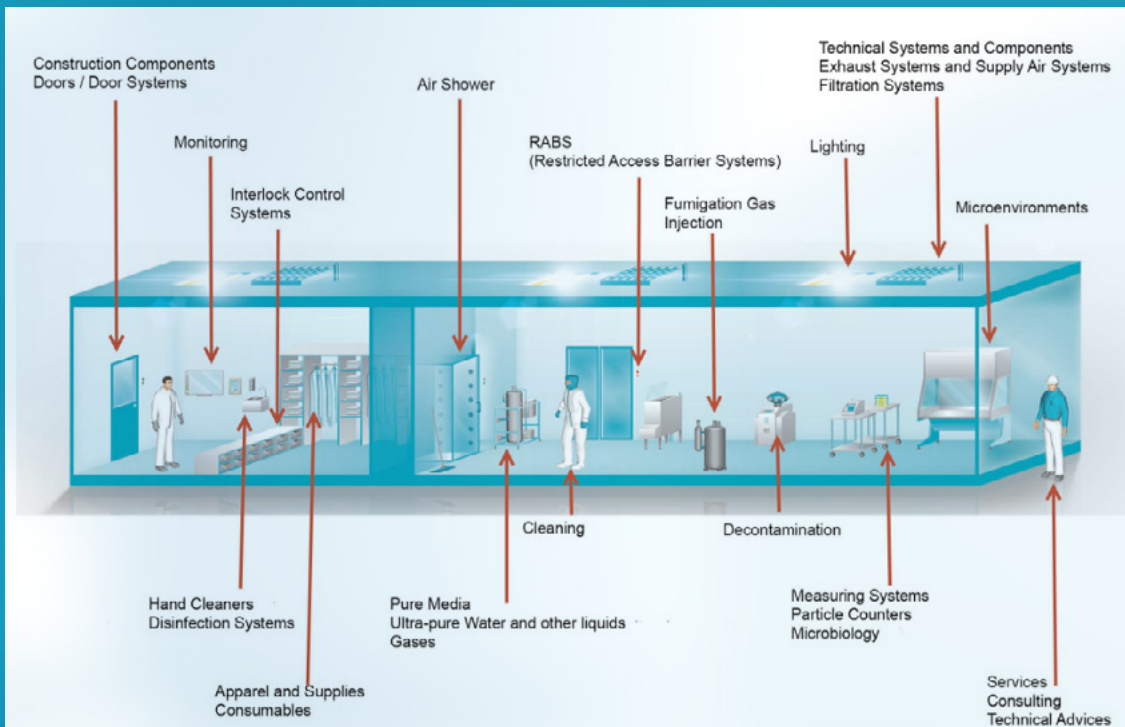


### Market Intelligence Partner



# About Cleanzone Middle East

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UAE currently has cleanrooms in aviation research (Mohamad Bin Rashid Space Research Center), paints, coatings, food processing & manufacturing, healthcare and automobile spare parts OEM's. All the cleanrooms in the country are regulated by the concerned Emirates' Municipality and Ministry of Health exclusively for Hospitals and Clinics. Currently the UAE Government is working towards setting up unified GCC standards for cleanroom environment that will standardize all cleanrooms in the region in the future.

**Organizer** : Messe Frankfurt Middle East

**Director** : Mohamad Sami

**Chairman and Moderation** : Prof. Dr. Gernod Dittel

**Location** : Hotel Conrad; Dubai-UAE

**Date** : 12 – 13 November, 2018

**Time of Events:**

**Day 1** : 10:00am – 17:30pm

**Day 2** : 09:00am – 16:00pm

# Welcome Message

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## **Cleanroom Technology - Innovation and Future**

On behalf of the organising committee, it is my great pleasure to announce the inaugural Cleanroom Technology Congress to be held in Conrad Hotel Dubai, UAE from 12 – 13 November 2018.

The programme for Cleanroom Technology Congress 2018 has been developed to provide you with an innovative and comprehensive overview on the latest international best practice and innovation in cleanroom technology.

This year we have been able to put together an inspiring programme with keynote lectures, panel discussions, case studies and site visits that will allow you to update your knowledge and skills, learn from new and emerging research and interact with international practitioners who feel passionately about cleanroom technology.

Themes for discussion at the event include design and architecture of clean room plants and factories, cleanroom engineering, Engineering development, detecting and controlling a cleanroom environment and selection of instruments and technology.

Many distinguished cleanroom experts, Consultants and Specialists have joined as faculty members for the congress. We hope that you will be able to join us this year and be a part of the discussions that will encourage further developments in the field of cleanroom technology in the region.

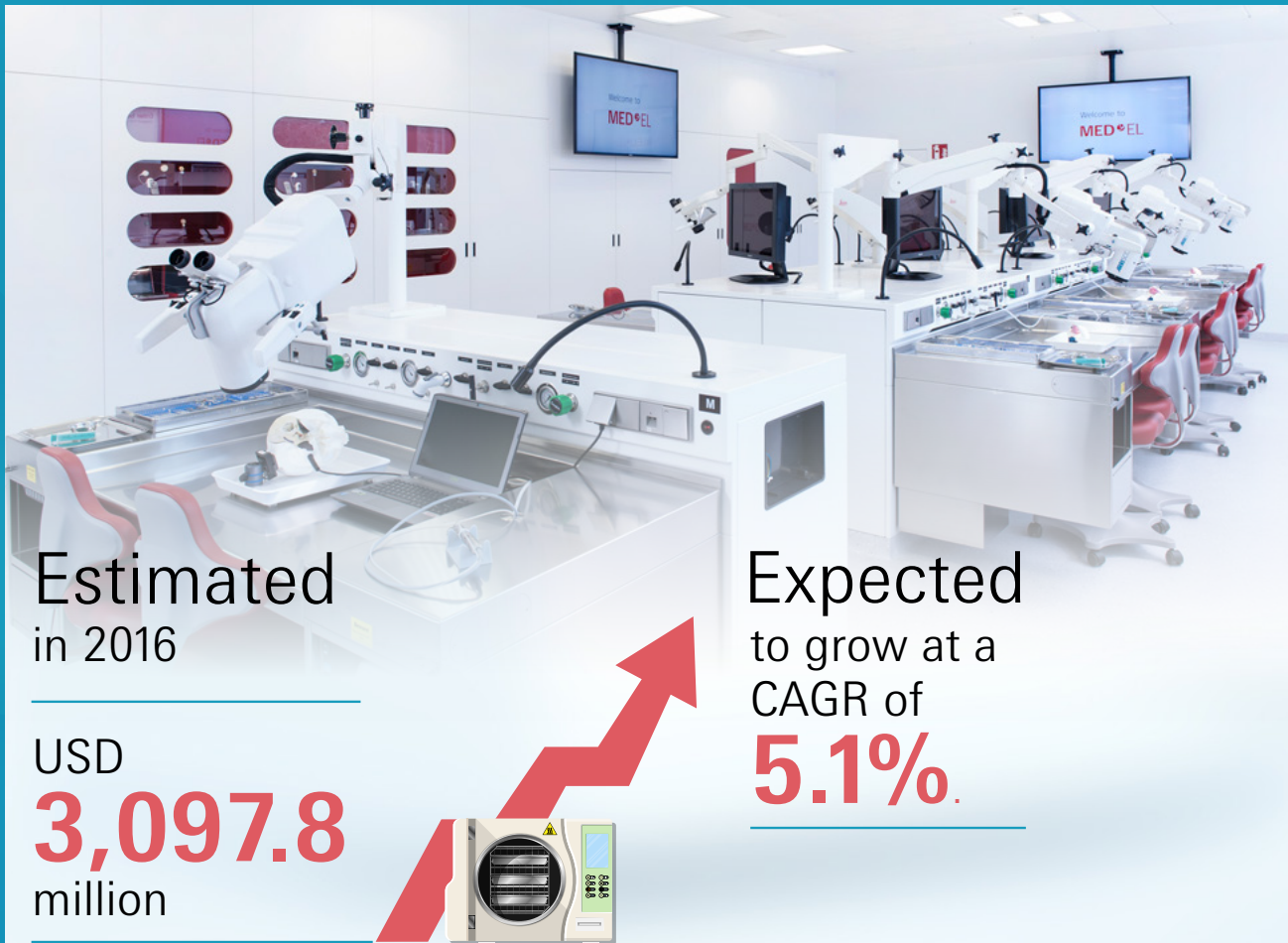
Looking forward to welcoming to the event in Dubai in November.

Kind regards,

**Prof. Dr. Gernod Dittel**  
Chairman of the DRR1

# Global Cleanroom Technology Market

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Cleanzone  
Frankfurt **2017**  
had drawn approx.  
**1,200** participants  
from **40** countries

## Top 10 Foreign visitors countries

No.	Countries
1	China
2	Austria
3	Denmark
4	Finland
5	Spain
6	Switzerland
7	Netherlands
8	Czech Republic
9	Italy
10	Belgium & Bulgaria

Source: Messe Frankfurt. Market Research, 2017; FKM-certified

# Product Sectors Strategic Theme

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Designing &  
Architecture

Monitoring &  
Validation

**CLEANZONE  
MIDDLE EAST  
CLEANROOM  
TECHNOLOGY  
CONGRESS**

Engineering &  
Development

Quality  
Control &  
Decontamination

# Why Dubai?

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**UAE** to attract **US\$75bn** in manufacturing sector by **2025**, which will lead to cleanroom requirements for various industries, such as Food & Beverages, Paints & Coatings, Nano-sensors and Healthcare.



UAE has the 1st composite aero-structures manufacturing – **STRATA** an R&D centre for aerospace.



**MENA** region is said to record a spending growth for healthcare at about **9.3% CAGR** during **2015 – 2020**; - a key sector contributing to the Cleanzone development.



Number of pharmaceutical manufacturing in the UAE is expected to reach more than double from **16** to **34** and expenditure on pharma products is expected to be **US\$3.81** in **2019** an **8.1%** growth per year.



The Nano sensors market in UAE is expected to grow to **US\$15.19mn** at a CAGR of **95%** during the period **2016-2020**, allowing scope for increase in cleanroom technology.

## Conference Objectives



To have a comprehensive cleanroom technology meeting that has regional vision



Improve market awareness and understanding of cleanroom technology and its role in economic development



To share international expertise and best practice to support knowledge share



Providing instructional lectures from a world class regional and international speakers

# Who Should Attend?

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## Manufacturing, Pharmaceutical, Medical Directors, Heads of the departments, Managers and officials from:

- Technology Department
- Facilities management Department
- Operations Departments
- Design & Engineering Department
- Quality Assurance and Quality Control Departments
- Management and Strategy

## Industries



Life Sciences



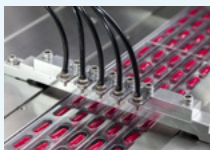
Cosmetics  
Manufacturing



Government bodies &  
regulatory authorities



Electronics &  
Micro Electronics



Pharmaceuticals  
Manufacturing &  
Packaging



Optical



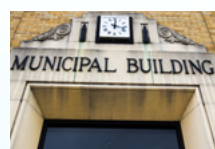
Hospitals/Clinics/  
Diagnostic Centers  
Municipalities



Food Manufacturing/  
Processing



Aerospace/Aviation  
Manufacturing



Municipalities



Medical Technology &  
Medical Devices

# Speakers Confirmed

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**Dipl. Ing. Andreas Maul**

Chief Executive Officer,  
Viessmann Technologies  
International, Germany



**Conor Murray**

Principal & Chairman,  
3dimensions Cleanrooms, Irish  
cleanroom Society (ICS), Ireland



**Prof. Dr. Gernod Dittel**

President, Dittel Engineering,  
Germany & Adriatic Institute of  
Technology (AIT), Italy



**Jurgen Blattner**

Chief Executive Officer,  
BSR Ingenieurbuero, Germany



**Dipl. Ing. Arch. Lucas Holzinger**

Chief Executive Officer, RSE  
International Stuttgart, Germany



**Dr. Marc Schmidt**

Director, AAF International,  
Germany



**Dr. Matteo Filippi**

Chief Executive Officer, Adriatic  
Institute of Technology, Italy



**Michael Muller**

Vali.sys, Switzerland



**Dr. Timo Krebsbach**

Chief Executive Officer, HHAC  
International Laboratory, Germany



**Michael Rommel**

PMMR International Project  
Management, Germany



**Dr. Hubert Jarnig**

Ortner Group International,  
Austria



**Pedro Manzano**

Waldner Laboreinrichtungen,  
Germany



**Hitesh U preti**

Managing Director – Zunefa  
FEPAM



**Rajat saxena**

Team Lead & Senior  
Consultant - GVR



# Main Conference Programme

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**Day 1** 12 November 2018 (Monday)

08:00 Registration and Refreshments

09:00 Welcome and Opening Remarks

09:00 Welcome from the Chairman  
**Prof. Dr. Gernod Dittel**  
President, Dittel Engineering, Germany & Adriatic Institute of Technology (AIT), Italy

## **DESIGN & ARCHITECTURE OF CLEANROOM PLANTS AND FACTORIES**

09:05 **Middle East Cleanroom Technology Market**  
**Rajat Saxena**  
Team Lead & Senior Consultant - GVR

09:25 **Architectural Design for Cleanroom Plants and Factories**  
**Dipl. Ing. Arch. Lucas Holzinger,**  
Chief Executive Officer,  
RSE International Stuttgart, Germany

09:50 **Case Study: Shellbe – The Future of Cleanroom Technology**  
**Dr. Matteo Filippi,**  
Chief Executive Officer, Adriatic Institute of Technology, Italy

10:10 **Panel Discussion: Discussion of Design & Architecture Challenges and Opportunities for the Middle East**

**Moderator:**  
**Prof. Dr. Gernod Dittel**  
President, Dittel Engineering, Germany & Adriatic Institute of Technology (AIT), Italy

**Panelists:**  
**Dipl. Ing. Arch. Lucas Holzinger,**  
Chief Executive Officer, RSE International Stuttgart, Germany

**Dr. Matteo Filippi,**  
Chief Executive Officer, Adriatic Institute of Technology, Italy

10:40 Networking Coffee Break

## **CLEANROOM ENGINEERING**

11:00 **Project Management for Cleanroom – End to End Project Delivery**  
**Michael Rommel**  
PMMR International Project Management, Germany

11:30 **Cleanroom Engineering – Qualification and Validation**  
**Prof. Dr. Gernod Dittel**  
President, Dittel Engineering, Germany & Adriatic Institute of Technology (AIT), Italy

# Main Conference Programme

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**Day 1** 12 November 2018 (Monday)

12:00	<b>Enclosures, Disinfection &amp; Sterilization</b> <b>Dr. Hubert Jarning,</b> Ortner Group International, Austria
12:30	<b>Panel Discussion: Considering the Cleanroom Engineering Challenges</b> <b>Panelists:</b>  <b>Michael Rommel</b> PMMR International Project Management, Germany  <b>Dr. Hubert Jarning,</b> Ortner Group International, Austria  <b>Michael Rommel</b> PMMR International Project Management, Germany

13:00 Networking Lunch Break

## **ENGINEERING AND DEVELOPMENT**

14:00	<b>Quality Control in Microbiology's &amp; Testing of Cytotoxic Substances</b> <b>Dr. Timo Krebsbach</b> Chief Executive Officer, HHAC International Laboratory, Germany
14:30	<b>Construction of Cleanrooms</b> <b>Dipl. Ing. Andreas Maul</b> Chief Executive Officer, Viessmann Technologies International, Germany
15:00	<b>Panel Discussion: Supporting Cleanroom Development in the Middle East</b> <b>Panelists:</b> <b>Rajat Saxena</b> Team Lead & Senior Consultant – Grand View Research  <b>Dipl. Ing. Andreas Maul</b> Chief Executive Officer, Viessmann Technologies International, Germany
15:30	<b>Closing Comments from the Event Chairman</b> <b>Prof. Dr. Gernod Dittel</b> President, Dittel Engineering, Germany & Adriatic Institute of Technology (AIT), Italy

15:35 End of Day One

# Main Conference Programme

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**Day 2** 13 November 2018 (Tuesday)

08:00 Registrations and Refreshments

08:55	<p><b>Chairman's Welcome</b>  <b>Prof. Dr. Gernod Dittel</b>          President, Dittel Engineering, Germany &amp; Adriatic Institute of Technology (AIT), Italy</p>
09:00	<p><b>The concept of Cleanroom Technology standards &amp; operations in emerging market.</b>  <b>Hitesh Upreti</b>          Managing Director – Zenufa          FEPAM (Federation of East African Pharmaceuticals Manufacturers)</p>

## **CLEANROOM ENVIRONMENT DETECTION AND CONTROL**

09:20	<p><b>The new horizons in the clean room monitoring after the issuance of the ISO 14644-2:2015</b>  <b>Diego Bompadre</b>          Instruments Product Manager, Rigel Life Sciences</p>
09:40	<p><b>Filtration and Filter Technology</b>  <b>Dr. Marc Schmidt,</b>          Director, AAF International, Germany</p>
10:00	<p><b>Cleanroom cleaning and the fact that cleanliness lies in the detail</b>  <b>Dietmar Pfennig</b>          CEO Pfennig Reinigungstechnik GmbH</p>
10:20	<p><b>Laboratory Technology</b>  <b>Pedro Manzano</b>          Waldner Laboreinrichtungen, Germany</p>

10:40 Networking Coffee Break

11:00	<p><b>Environmental Monitoring (EM) in Current Good Manufacturing Practice Cleanrooms – Bringing Together Engineers and Microbiologists</b>  <b>Conor Murray</b>          Principal &amp; Chairman, 3dimensions Cleanrooms, Irish cleanroom Society (ICS), Ireland</p>
11:20	<p><b>Panel Discussion: Considering the Benefits and Drawbacks of Detection and Control Systems</b></p> <p><b>Moderator:</b>  <b>Prof. Dr. Gernod Dittel</b>          President, Dittel Engineering, Germany &amp; Adriatic Institute of Technology (AIT), Italy</p> <p><b>Panelists:</b>  <b>Dr. Timo Krebsbach</b>          Chief Executive Officer, HHAC International Laboratory, Germany</p> <p><b>Pedro Manzano</b>          Waldner Laboreinrichtungen, Germany</p> <p><b>Conor Murray</b>          Principal &amp; Chairman, 3dimensions Cleanrooms, Irish cleanroom Society (ICS), Ireland</p>

# Main Conference Programme

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**Day 2** 13 November 2018 (Tuesday)

11:50	<b>Closing Comments from the Event Chairman</b> <b>Prof. Dr. Gernod Dittel</b> President, Dittel Engineering, Germany & Adriatic Institute of Technology (AIT), Italy
12:00 Networking Lunch Break	
13:00 – 16:00	<b>Site Visit to Masdar, Abu Dhabi</b> Bus Pick Up from Dubai and Transfer to Abu Dhabi (Return back to the Conrad Hotel Dubai) A tour of the Masdar City site and its sustainable and innovative features. A guided tour with Q&A session of the cleanroom facility at the Masdar Institute



End of Conference Day 2

## For Delegate Registrations

For group delegate packages, please contact:

### Sarah Franco

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sarah.franco@uae.messefrankfurt.com

## For Sponsorship & Exhibitor Opportunities

Partnering and exhibiting at the Cleanroom Technology Congress will provide your company with a unique platform to present your products and services to senior decision-makers from the Middle East region. For more details about sponsorship opportunities at the forum, please contact:

### Rubesh Kumar

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# About the organiser

Messe Frankfurt is the world's largest trade fair, congress and event organiser with its own exhibition grounds. With more than 2,400 employees at 30 locations, the company generates annual sales of around €669 million. Thanks to its far-reaching ties with the relevant sectors and to its international sales network, the Group looks after the business interests of its customers effectively. A comprehensive range of services – both on-site and online – ensures that customers worldwide enjoy consistently high quality and flexibility when planning, organising and running their events. The wide range of services includes renting exhibition grounds, trade fair construction and marketing, personnel and food services. With its headquarters in Frankfurt am Main, the company is owned by the City of Frankfurt (60 percent) and the State of Hesse (40 percent).

\* Preliminary figures for 2017

For more information, please visit our website at [www.messefrankfurt.com](http://www.messefrankfurt.com)

## About Messe Frankfurt Middle East GmbH

Messe Frankfurt Middle East's portfolio of 16 exhibitions includes Automechanika Dubai, Automechanika Jeddah, Automechanika Riyadh, Beautyworld Middle East, Beautyworld Saudi Arabia, Hardware + Tools Middle East, Intersec, Intersec Saudi Arabia, Leatherworld Middle East, Light Middle East, Materials Handling Middle East, Materials Handling Saudi Arabia, Middle East Cleaning Technology Week, Paperworld Middle East, Prolight + Sound Middle East, SPS Automation Middle East. The subsidiary also organises a series of conferences and seminars including the Worker Health Protection Conference, the Business in Beauty Summit, Think Light, and the International Conference on Future Mobility.

For more information, please visit our website at [www.messefrankfurtme.com](http://www.messefrankfurtme.com)

For details concerning participation as an exhibitor, visitor or sponsor, please visit our website at [www.cleanzoneme.com](http://www.cleanzoneme.com) or please contact us directly at [info@cleanzoneme.com](mailto:info@cleanzoneme.com)

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