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## REMBE® China Explosion Safety Days 2018 Spray Dryer

October 15 + 16, 2018 – Shanghai

### Meet the Ex-perts!

Due to some devastating recent events, increased awareness in safety amongst operators as well as manufacturers and emphasized standards, finding the appropriate protection against explosion and fires in spray dryers has gained importance for both new and existing plants.

Therefore, in cooperation with TÜV SÜD Greater China, REMBE® China will hold the, Spray Dryer Safety Days from 15<sup>th</sup> to 16<sup>th</sup> October at the premises of the Shanghai Research Institute of Chemical Industry. The Spray Dryer Safety Days started in 2017 in Germany and were a huge success. It was REMBE®'s ambition to create a platform and a venue where experts in the industry have the chance to discuss pressing issues, open questions and figure out solutions for safety of spray drying systems. Due to the huge demand we want to generate this platform for the experts in the spray drying industry in China as well. **In order to ensure full understanding of the speeches and discussions for all guests, simultaneous translation is ensured throughout the event.**

In cooperation with TÜV SÜD Greater China and the Shanghai Research Institute of Chemical Industry, we put together a comprehensive program with top rank speakers and experts from all relevant disciplines involved in explosion and fire protection.

TÜV SÜD Greater China is a 1 stop technical solutions provider, powered by 150+ years of experience. TÜV SÜD Greater China is able to carry out a wide range of explosion tests and evaluations, which are needed to obtain the necessary certification for your explosion proof equipment or are needed to operate your installations safe.

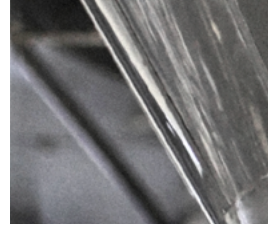
You should definitely not miss the chance to discuss this topic with operators, OEMs, insurance companies and authorities. Among the highlights of the event will be a small-scale LIVE-Explosion demonstration of starch dust, as well as LIVE  $K_{st}$  and  $P_{max}$  testing in a 20l-sphere at 500 g/m<sup>3</sup> and at 250 g/m<sup>3</sup> as considered for spray dryers in accordance with VDI 2263-7.1.

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## Agenda

### Monday, October 15

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**09:00 – 09:30** Registration

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**09:30 – 09:45** Welcome ceremony

Niklas Kitzhoefer – REMBE® China Ltd. /Ing. Kristof De Gersem – TÜV SÜD Greater China

**09:45 – 10:15** Accidents in spray dryers and their reasons

Dipl.-Ing. Richard Siwek – FireEx Consultant GmbH/Dr. Kees van Wingerden, GexCon AS

**10:15 – 10:45** Requirements on spray dryers from a manufacturer's point of view

Michael Oesterle – SiccaDania China Co., Ltd

**10:45 – 11:30** Risk assessment and zoning according to VDI 2263-7

Dipl.-Ing. Richard Siwek – FireEx Consultant GmbH

**11:30 – 12:15** Self-ignition mechanisms of food products in spray dryers

Pablo Lerena – Nestec Research & Development

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**12:15 – 13:15** Lunch Break

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**13:15 – 14:00** Testing and certification requirements of spray dryers

Ing. Kristof De Gersem – TÜV SÜD Greater China

**14:00 – 14:30** Explosion venting and explosion isolation solutions according to VDI 2263-7.1

Niklas Kitzhoefer – REMBE® China Ltd.

**14:30 – 14:50** Fire safety atomizing nozzles

Xiaobo Ma – CMT China

**14:50 – 15:30** Fire protection approaches in spray dryers

Ralf Schäckel – Fagus-GreCon Greten GmbH & Co. KG

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**15:30 – 15:50** Coffee Break

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**15:50 – 16:10** Hygienic Design vs. Explosion Safety

Dr.-Ing. Johannes Lottermann – REMBE® GmbH Safety + Control

**16:10 – 16:45** Standards for explosion safety devices in China

Dr. Xiao Xiaoping – Shanghai Research Institute of Chemical Industry

**16:45 – 17:15** Live explosion demonstration

## Tuesday, October 16

- 09:00 – 09:30** CFD-Simulation of explosions in spray dryers  
Dr. Kees van Wingerden – GexCon AS
- 09:30 – 10:00** Explosion prevention methods for spray dryers  
Yu Jing – DuPont
- 10:00 – 10:30** Explosion suppression design approaches according to VDI 2263-7  
Dipl.-Ing. Richard Siwek – FireEx Consultant GmbH
- 10:30 – 10:55** Safety and efficiency at one glance? CO-Monitoring goes 4.0  
Sieuwert Kramer – Hобрé Instruments B.V.
- 10:55 – 11:20** ExTools – the tool for safety professionals  
Dipl.-Ing. Richard Siwek – IND EX® e. V.
- 11:20 – 11:50** Summary of the most important facts you've missed during the 1<sup>st</sup> Safety Days on Spray Dryers in Germany  
Dr.-Ing. Johannes Lottermann – REMBE® GmbH Safety + Control
- 11:50 – 12:10**  $K_{St}$  and  $P_{max}$  live test at dust concentrations 500 g/m<sup>3</sup> and 250 g/m<sup>3</sup>  
Group 1
- 12:10 – 12:30**  $K_{St}$  and  $P_{max}$  live test at dust concentrations 500 g/m<sup>3</sup> and 250 g/m<sup>3</sup>  
Group 2
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- 12:30 – 13:30** Farewell Lunch
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- 13:30 – 14:00**  $K_{St}$  and  $P_{max}$  live test at dust concentrations 500 g/m<sup>3</sup> and 250 g/m<sup>3</sup>  
Group 3

## Venue

### Chinese address:

上海市普陀区云岭东路345号 200062

### English address:

No. 345, East Yunling Road, Shanghai, 200062, China



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## Registration

Binding registration for the REMBE® China Explosion Safety Days – Spray Dryer

Company:

Name:

First name:

Title:

Function:

Department:

Address:

VAT No.:

Phone:

Fax:

E-mail:

Date:

Signature:

**Please provide** information about available hotel rooms.

## Services and participation fee

### Participation fee: 2000 RMB

If more than two people from a single company participate, we will grant a discount of 50 % for each additional participant. For participants from a company that provides a speaker, the event will be free of charge. Included in the participation fee are all lectures, extensive training materials, beverages, lunch as well as an exclusive evening event.

## Arrival and departure / overnight accommodation

The travel expenses as well as the accommodation costs must be borne by the participants. Together with the registration, you will be provided with extensive information on available hotels in the area of the event.

### Registration:

REMBE® China Ltd.  
Isabel Xuan  
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No. 855 Pudong South Road  
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If you have any questions,  
**Isabel Xuan** will gladly be at your disposal:  
T +86 21 33829869

**REGISTER  
QUICKLY.  
LIMITED NUMBER  
OF  
PARTICIPANTS.**

### Conditions of participation

The number of participants is limited. Registrations will be considered and confirmed in the order of their receipt. The seminar fee is due after receipt of the invoice within 14 days without deduction. For registrations which are cancelled later than one week before the start of the event, the seminar fee will be charged in full. Decisive for this, is the written receipt of the cancellation at REMBE®. Substitute participants may be nominated in writing without any additional fee. In justified cases (e.g. illness), REMBE® reserves the right to cancel the training. The participation fee will then be reimbursed in full. In addition to this all participants will be awarded with a participation certificated issued by TÜV SÜD Greater China.