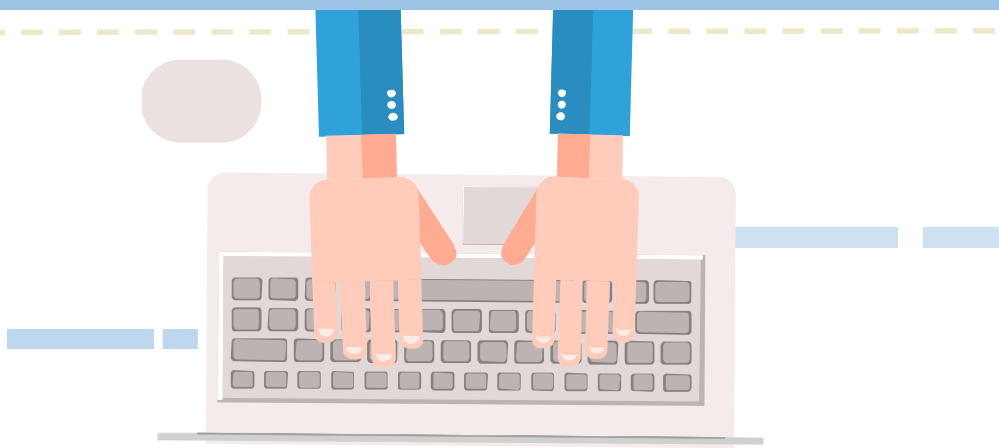


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# 德国莱茵TÜV 功能安全峰会

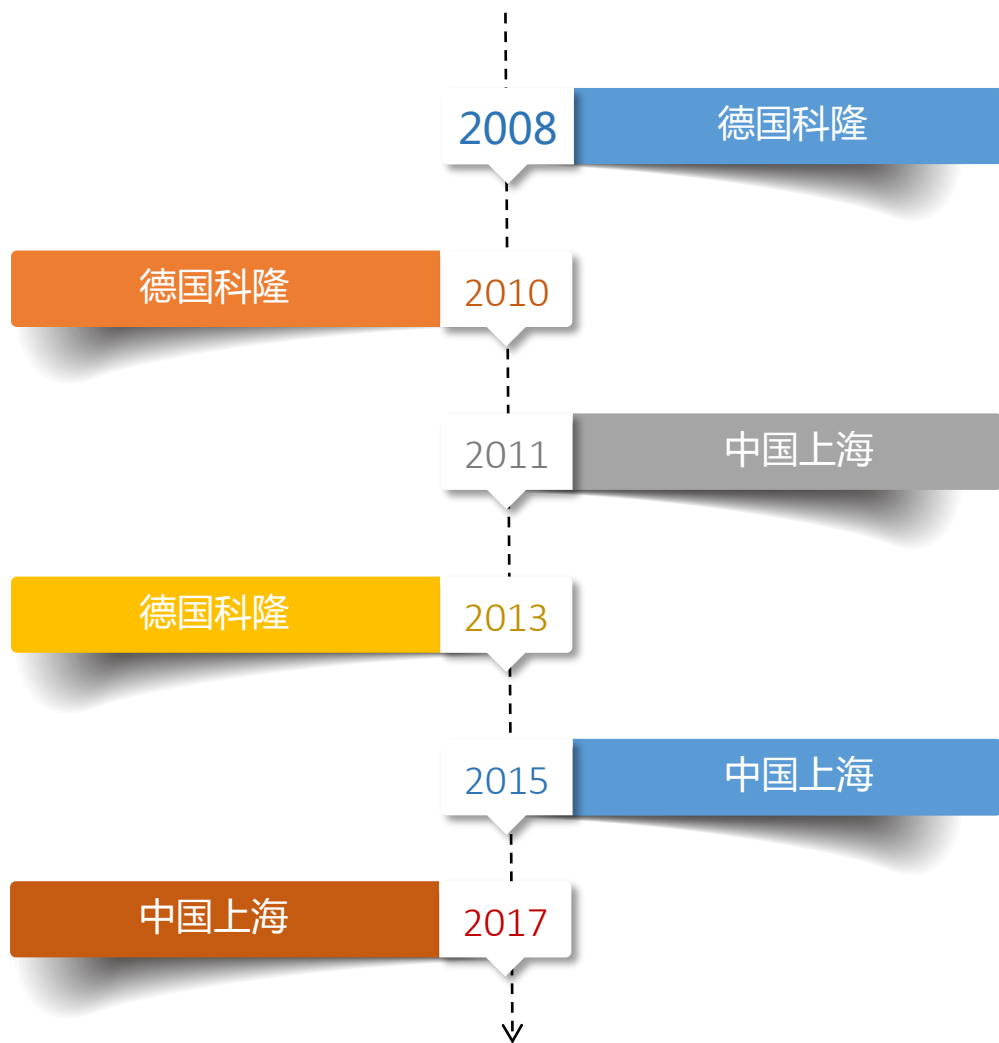




01

往届回顾

## PART/01 会议背景



功能安全峰会是以提供功能安全领域最前沿的技术交流，分享行业最新动态，权释功能安全最新标准为目的的年度性国际论坛。由德国莱茵TÜV主办，功能安全业界，包括安全仪表及系统的制造商和设计人员，安全相关设备的集成和运营公司、功能安全专家和信息安全专家共同参与，每两年一届轮流在中国/上海和德国/科隆轮流举办。

每届峰会的议题均贴合最新的行业动态，关注政策的导向，展示技术和产品发展趋势，且经过德国莱茵TÜV专家团队的严格审核，真正让峰会成为全球业界人士学习和交流的专业平台。

## PART/01 往届峰会主题

**Functional Safety Management**  
功能安全管理

**Development, design, commissioning, licensing, operation and maintenance**  
开发、设计、试运行、许可、操作和维护

**Examples of applications in the process industry**  
过程工业中的应用实例

**Safety and Security**  
信息安全

**Topic**  
议题

**Risk and Hazard Analysis**  
风险与危害分析件

**Application Software**  
应用软件

**Standard IEC 61511**  
IEC 61511标准

**Field Instrumentation, I&C Systems**  
现场仪表，仪表系统

## PART/01 往年峰会客户群体

最终用户、EPC、SIS系统集成商

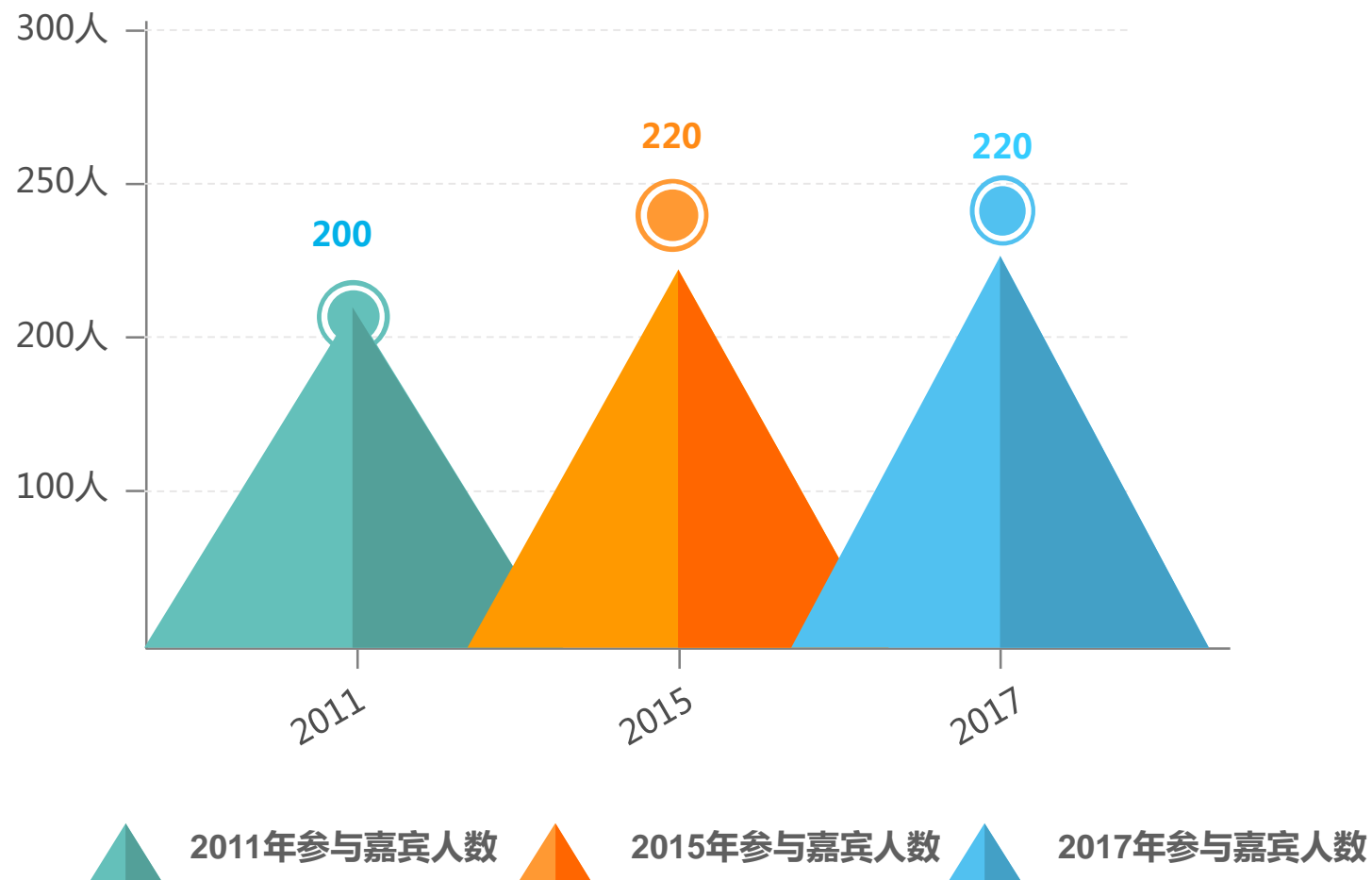
测试机构/发证机构

安全相关的产品和系统制造商

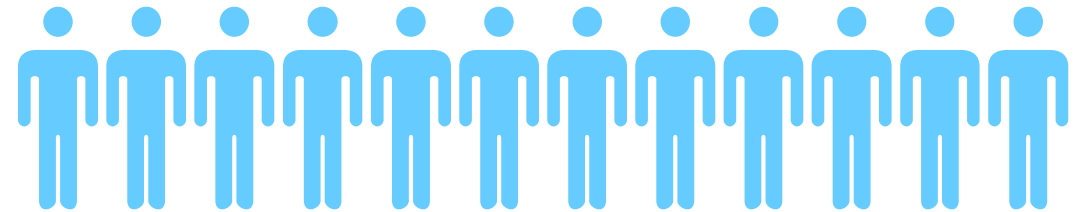
其他机构，学院，大学和学术界



## PART/01 往届人数-中国



# PART/01 往届客户



# PART/01 往届现场回顾





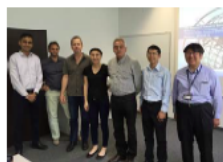
# PART/01 往届现场回顾

## REGIONAL NEWS

### TÜV Rheinland Trainees meet at 12th International Functional Safety & Security Symposium

This year TÜV Rheinland trainees from abroad participated in the 12th International Symposium on Functional Safety & Security in Cologne.

The business line of Automation and Functional Safety within TÜV Rheinland Industrie Service has organized another successful Functional Safety Symposium, the number 12, this time in the city of Cologne in Germany. More than 150 experts joined this event for discussions focused on Functional Safety and Security in industrial applications.



"This meeting in Cologne, gave us the chance to bring together some of the TÜV Rheinland trainees we have worldwide", says Manuel Diez, responsible ..... at TÜV Rheinland International. Most of the international colleagues started working with TÜV Rheinland by the end of 2015 or beginning 2016. Mr. Chen (from TR, Singapore), Mr. Ghavidel (from TR, Australia), Mrs. Kopuz (from TR, Turkey) and Mr. Nishihata (from TR, Japan), joined the Symposium with a very positive feedback about the takeaway and the possibilities to expand Functional Safety business in their countries.

Additionally an internal training was organized for all, as most of the trainees came to Cologne for the first time. The intention of this internal training was to continue and pursue the global concept of knowledge transfer and vocational training within TÜV Rheinland as defined in the E03 concept. So several meetings were set up focusing on the

services TÜV Rheinland offers worldwide in Functional Safety & Security.

"According to our experiences we thought it was of great importance to pass on procedural knowledge such as hands-on experience, practice at solving problems understanding of limitations of a specific technical solution etc.", says Heinz Gall, Head of the Business Unit Functional Safety & Security of TÜV Rheinland. Therefore the international colleagues were trained to understand accreditation rules, procedures and workflows as well as quotation set-up for projects.

In order to get an overall perspective about the technical Functional Safety knowledge, the German business unit and product managers discussed the services for product and component certification, assessments for various application areas, functional safety management auditing and certification as well as trainings.

"For me, it has been a great and unique experience to meet Mr. Gall's team and get to know the faces. More importantly, I believe I gained a lot by interacting with some of the finest experts on various technical aspects. Given the time frame and scale of the expertise and experiences that have been built through the decades, I think I only touched the surface and wish I could be in Cologne for a longer period", says Rama Ghavidel from TÜV Rheinland Australia.

Although their stay was only short, the trainees had the chance and time to strengthen personal relationships and cooperation with the German FS expert team. The FS team at the headquarters in Cologne were very impressed by the high engagement and interest of all trainees. They were pleased to support their international colleagues in understanding the internal procedures and rules in order to fulfill the accreditation requirements and the international market demand.

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## REGIONAL NEWS

### TÜV Rheinland China hosts the 2<sup>nd</sup> International Symposium on Functional Safety in Shanghai

This year TÜV Rheinland China hosted the 2<sup>nd</sup> International Symposium on Functional Safety in Shanghai.

Traditionally this worldwide acknowledged Functional Safety event is held every two years at the headquarters of TÜV Rheinland in Cologne, Germany.

The Global Center of Excellence for Functional Safety of TÜV Rheinland is located in Cologne, Germany. "We thought it was time to set up such an event in China again. Not only to support our Chinese Functional Safety expert team but also to create more awareness of Functional Safety and Security in the Chinese and Asian industry", says Heinz Gall, Head of the FS Competence Center of TÜV Rheinland Industrie Service GmbH.

So the first Symposium held in 2011 in Shanghai, China already was a great success – the second one now with more than 200 participants fulfilled all expectations.

Guest speakers were acknowledged international and Chinese experts who presented state-of-the-art in Functional Safety and Security applied in process, nuclear power, petroleum, chemical and power plant, automotive as well as machinery industries.

One of the Chinese speakers, Mr. Wang Ying of the Shanghai Industrial Automation Instrument Research Institute pointed out that



"TÜV Rheinland, as a brand and as initiator of functional safety in China, has earned a lot of trust due to its competencies, know-how and long-term experiences."

#### Functional Safety Services

The services of TÜV Rheinland in Functional Safety refer to product certification, Functional Safety Management system certification, Functional Safety Assessments and training and qualification of engineers. All services are based on the internationally acknowledged and applied standards IEC 61508 and IEC 61511 and others.

"In the past years we have cooperated very close with our colleagues of the Functional Safety excellence team in Cologne", says Bin Zhao, FS Manager at TÜV Rheinland China. "The training-on-the-job as well as qualification program our Chinese engineers have attended has proven to be very successful". TÜV Rheinland China has a team of 8 engineers in Func-

tional Safety and Security. This team is involved in comprehensive safety projects and also holds trainings for engineers. "This year's Symposium has shown that the Functional Safety business in China has undergone tremendous developments and improvements in the past years. Our FS team in China is well skilled to answer increasing demand from the Chinese and Asian market in Functional Safety services," says Thorsten Keiter, new Executive Vice President Greater China of TÜV Rheinland.

The next Functional Safety Symposium will be held in 2016 from May 10-11 at the headquarters of TÜV Rheinland in Cologne, Germany. Information about the program will be available from February 2016 on.

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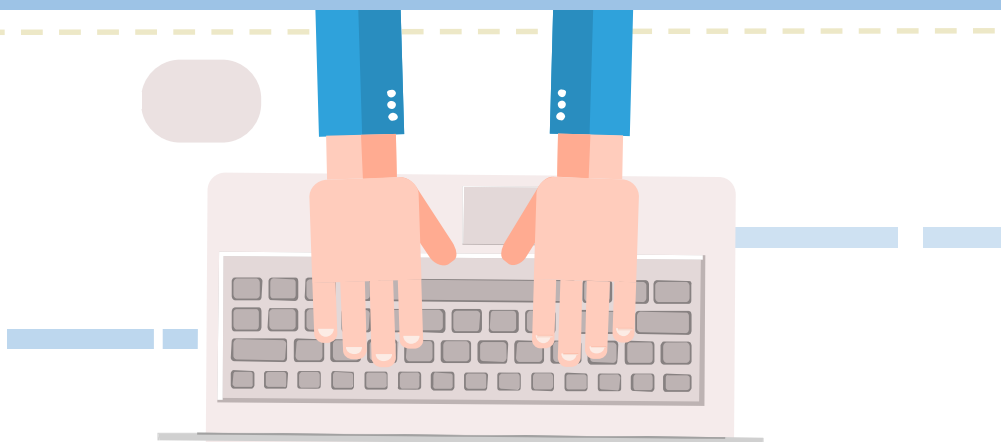
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## 行业专家解读



## PART/01 往届精选技术议题





## 02 2017年峰会蓄势待发

## PART/02 2017年会议信息

过程工业中的应用  
实例

开发、设计、试运行、  
许可、操作和维护

信息安全

2017年8月31日、9月1  
日 中国上海

第三届TÜV 莱茵中国技术峰会  
石油化工、过程工业领域安全仪表系统  
功能安全及信息安全

现场仪表、仪表系统

应用软件

安全网络

功能安全管理

## PART/02 2017年会议参与单位

2017年8月31-09月1号 \* 上海

嘉宾单位:

北京康吉森自动化设备技术有限责任公司;  
上海黑马安全自动化系统有限公司;

中控集团;

上海辰竹;

霍尼韦尔中国;

西门子中国;

中石化

**Info team GmbH;**

**C&C Technical Support Services;**

**ABB;**

**Kassel University;**

**Yokogawa Korea;**

**innotec GmbH**

## PART/02 2017年峰会主题

2017年8月31-09月1号 \* 上海

石化行业功能安全及信息安全

峰会主要嘉宾演讲议题：

Functional Safety Assessments for the Process Engineer

Agile in development regarding Safety – is this possible

SIL4 application for HIPS

The role of FSA

Bridging the Specification Gap

Merging the FS and CY Lifecycle Management Requirements

The Mystery of Diagnostic Coverage

Implementation of Safety Instrumented System Lifecycle Management within Process Safety Management

Data-Driven ICS Security

Functional Safety product design practice

Functional Safety & Cyber Security Product Assessments and Certification

Functional Safety & Cyber Security in the Process Industry

峰会分论坛：

Implications of IEC 61511 Edition 2.0 - 2016. What's new?

SIL Cas Tool - Safety Parameter Calculations

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# 2017年功能安全峰会 期待您的参与！

参会费用：RMB4800/人  
RMB4000/人（3人以上或6月30日前报名优惠价）  
RMB3600/人（5人以上或6月30日前报名优惠价）

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