



## HIMA Safety Update in Qatar AGENDA

### 7:30 Welcome Reception

### 8:00 Safety Becomes Smart

Introduction of the HIMA smart safety concept and Petromech, your safety partner in Qatar

*Nico Ramstetter*

Vice President Region Europe & Africa, HIMA Group

*Vikram Nath*

Regional Manager for HIMA Safety Solutions

Petroleum Mechanical Trading Company (Petromech) W.L.L.

### 8:45 Automation Security: A Holistic Approach for a Secure Last Line of Defense

In times of increasing cybercrime and new norms and standards, a holistic approach to security is needed. This should cover the core SIS, including final control elements, logic solver, and I/O module and sensors. It should also extend to the SIS environment, including the engineering station, asset management tools (AMS), handhelds, and field entry panels and HMIs. By complementing the SIS with the “HIMA Security Environment for Functional Safety,” this approach takes all important security-relevant aspects of industrial control systems (ICS) into account. These include the five following areas: controller hardware and firmware, engineering toolkit, PC infrastructure, communication infrastructure, and lifecycle management.

*Dr. Alexander Horch*

Vice President R&D and Product Management, HIMA Group

### 9:30 Break

### 10:15 HIMA Safety Platform – a Less Complex, More Flexible Architecture

From the compact HIMatrix to the latest HIQuadX, all HIMA controllers are based on the same platform, combining hardware and software tailored to each other. This ensures you reduce the complexity of your safety systems, stay flexible at all times, and are always able to modify your architecture easily when requirements change.

*Dr. Alexander Horch*

Vice President R&D and Product Management, HIMA Group

*Nico Ramstetter*

Vice President Region Europe & Africa, HIMA Group



**10:45 Smart Safety Applications: Comprehensive Solutions to Improve Plant Availability**

When looking at the difference between safety systems and basic process control systems, we can demonstrate that safety systems can be one hundred times more reliable than basic control systems. HIMA provides a comprehensive set of complete pre-engineered applications for the control of large scale rotating equipment, boiler and burner management systems pressure control solutions, pipeline management solutions, and fire and gas solutions. The presentation will provide an overview of the solutions available and make a deeper dive into HIPPS (High-Integrity Pressure Protection System) and TMC (Turbo Machinery Control) solutions.

*Sergej Arent*  
Director Applications, HIMA Group

**11:30 Break**  
**12:00 Lunch**

**13:00 Live Demo: How to Implement a Separated Safety Solution with ABB and Siemens BPCS**

International safety and security standards require independent layers of protection. The Basic Process Control System (BPCS) should be designed to be separate and independent to the extent that the functional integrity of the safety instrumented system (SIS) is not compromised. This has always been HIMA's philosophy. HIMA experts will demonstrate how the safety systems can be integrated with the Siemens and ABB BPCSs via standard communication protocols. Safety signals are just going one way to make activity in the SIS visible on the human-machine interface (HMI). Practical examples from leading oil and gas companies will illustrate the advantages of 'separated safety solutions'.

*Alexandre Terentiev*  
DCS-Expert (Siemens and Yokogawa), HIMA Group  
*Marcelo Alcucero*  
DCS-Expert (ABB and Honeywell), HIMA Group

**14:00 Panel Discussion – Automation Security**

The future of the process industry is digital. Digitization holds many opportunities for plant operators to enhance efficiency, increase flexibility and make their plants future-proof. At the same time, the growing level of automation and connectivity can be a door opener for serious threats to plant security. The panel members will discuss challenges, solutions, and best practices.

Moderation: Dr. Alexander Horch, Vice President R&D and Product Management  
End users: Experts from Oil&Gas companies in Qatar  
ISA Qatar: Nilangshu Dey, President of ISA Qatar Section  
HIMA Group: Nico Ramstetter, Vice President Region Europe & Africa

**14:45 Wrap Up**  
**15:00 Networking**