

# SMART FACTORY TOUR 2022

> EXPERIENCE BEST PRACTICE IN DIGITALISATION

**HITACHI**  
Inspire the Next

**8<sup>TH</sup> AND 9<sup>TH</sup> SEPTEMBER 2022 | VISITING HITACHI ENERGY IN ZURICH**

LANGUAGE English/German (bilingual)  
TARGET GROUP Managing Directors, Plant Managers,  
Operations and Production Managers  
and Experts for Lean Management  
and Digitalisation



## > GUIDED TOURS IN TWO SEPARATE FACTORIES

### GCB FACTORY ZURICH

#### LEAN & DIGITAL FOR MANUFACTURING EXCELLENCE

HITACHI ENERGY is the leader in design and manufacturing of generator circuit-breakers (GCBs) since 1954 with more than 8,000 deliveries in over 100 countries. The award winning facility in Zurich is spread over 2,200 square meters and has been designed on the principle of Lean Production techniques for manufacturing state-of-the-art GCBs in SF6 technology with nominal currents from 6,300 A to over 50,000 A. GCBs increase protection of key equipment like generators and power transformers, ensure power plant availability, simplify operational procedures and reduce costs.

### GIS FACTORY ZURICH

#### DATA & TECHNOLOGIES OF THE SMART FACTORY

HITACHI ENERGY has always been and continues to drive innovation in gas-insulated switchgear (GIS), which are installed at switching stations and substations at relay points for sending electricity produced at power plants to consumers such as homes and factories. The GIS is a compact, metal encapsulated switchgear that uses pressurized insulating gas, enabling safe operations in confined spaces while significantly reducing equipment size. The factory in Zurich is spread over 10,000 square meters and produces a large variety of reliable high-voltage GIS with technology that can isolate 145 kV to 550 kV at a single point.

## > MAIN TOPICS

- > Pull principle for efficient production and capacity planning
- > One-Piece-Flow as key element for flexible flow production
- > E-Kanban for electronic control of material consumption
- > Digital Shopfloor Management with MS Office 365 Apps
- > Data traceability through digital torque wrench system
- > Warehouse management by means of ERP connection & mobile data collection
- > Factory Acceptance Test (FAT) in real-time: Remote and flexible by using video
- > Vertical integration for controlling globally connected production systems
- > MES and ERP as backbone for real-time data and digitised workflows
- > Track and trace technologies for monitoring of individual deliveries and products
- > 3D-viewer with provision of customer-specific engineering data for assembly
- > Cost reduction through automated ordering processes of needed parts
- > Remote monitoring system for surveillance of plant performance and reliability
- > Smart energy management for realizing efficient and sustainable production

## FEES, TERMS AND CONDITIONS

The participation fee per person amounts to 1490.00 Euro (plus VAT if applicable) and includes two factory visits, presentations, drinks and coffee, lunches and dinner. After receipt of the registration, the customer will receive an invoice with the confirmation of registration. The invoice amount is due with a payment term of 20 days without deduction. Written cancellation is possible free of charge up to 30 days before the start of the event. After this date the entire participation fee remains due in case of cancellation. If a registered participant is unable to attend, a substitute participant from the same company may attend at no further cost. The event organizer reserves the right to postpone or cancel the event offered in the program in the case of insufficient demand, cancellation of the host company or for other reasons for which the organizer is not responsible (e.g. sudden illness, force majeure, etc.), even after confirmation of participation, but no later than 14 days before the start of the event.

**If there are any Corona regulations stipulated by law or by the host company that are relevant for the execution of the event, the participant will be informed before the event and needs to comply with those regulations. Otherwise participation is not possible.**

## > YOUR BENEFITS

### 1 SUCCESS STORY

You will gain valuable insights into HITACHI ENERGY as a global technology leader and their digitalisation approach for the future factory.

### 2 USE CASES

You will see implemented digital solutions during the guided factory tours and understand the positive impact on operational excellence.

### 3 LEAN DIGITAL

You will learn more about the use of data and technologies that strengthen well-established production systems based on lean principles.

### 4 NETWORKING

You will discuss your impressions and questions with the host company and be able to share your experience with participants from other companies.

## THURSDAY, 8<sup>TH</sup> SEPTEMBER 2022

- from 10:30** Welcome with snacks and beverages at Hotel Courtyard by Marriott Zurich North
- 11:00** Start of the event with general introduction and expectations of participants
- 11:30** ROI-EFESO presentation "Trends and success factors on the way to the Smart Factory"
- 12:15** Company presentation from HITACHI ENERGY
- 12:45** Lunch in hotel restaurant
- 14:00** Transfer to HITACHI ENERGY
- 14:15** Parallel visits of GCB factory and GIS factory (language: GCB in German, GIS in English)
- 17:45** Transfer to hotel with arrival at 18:00
- 18:30** Group dinner in Zurich until 22:00

## FRIDAY, 9<sup>TH</sup> SEPTEMBER 2022

- 09:00** Transfer from Hotel Courtyard to HITACHI ENERGY
- 09:15** Parallel visits of GCB factory and GIS factory (language: GCB in English, GIS in German)
- 12:45** Lunch at HITACHI ENERGY
- 13:45** Transfer to hotel
- 14:00** End of the event and individual departure

Please note that the event language is English, but the factory visits take place in two languages (English and German). The procedure at each factory visit is as follows:

- 45 min.** Introductory presentation
- 120 min.** Guided factory tour
- 45 min.** Feedback and discussion

## HOTEL AND ACCOMMODATION

The event starts and ends at the Courtyard by Marriott Zurich North. As event participant, please book your room in the Courtyard hotel from the room contingent under the keycode "ROI". If you book your room before 7<sup>th</sup> August 2022, you will get a room at a preferred price.

### Courtyard by Marriott Zurich North

Max-Bill-Platz 19, 8050 Zurich  
Switzerland  
PHONE +41 44 564 03 40  
E-MAIL [reservations@zrhcy.ch](mailto:reservations@zrhcy.ch)  
INTERNET [www.marriott.com](http://www.marriott.com)

## EVENT REGISTRATION

INTERNET [www.roi.de/tour2022](http://www.roi.de/tour2022)  
E-MAIL [training@roi.de](mailto:training@roi.de)

**Please note:** Due to the limited number of places, we accept up to three registrations from the same company. The event organiser and the host company reserve the right to exclude participants for competitive reasons.



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