



Advanced  
Valve  
Solutions

*"It was great to have the contact with the companies and to see the manufacturing in combination with the theory"*

# VALVES & MORE SEMINAR

8TH & 9TH OF November AT HORA AND PERSTA

**AT THE HEART OF YOUR BUSINESS**

## WHO SHOULD ATTEND?

This course is designed for people who require an understanding of the impact that changes in operation can have on operation costs, plant availability, valve reliability, controllability, maintenance intervals and life time expectancy.

## OVERVIEW & OBJECTIVES

Commonly seen problems with valves in two shift power plants are:

### Control valves

Thermal stress in the intermediate and final desuperheater (nozzle heads falling off) · Steam temperature control problems · HP/IP bypass station problems (control problems at start up conditions, thermal stress problems in the outlet or downstream piping, temperature control problems, flow problems at condenser inlet) · Cavitation in the boiler feedwater control valve during start up · Severe erosion in the superheater drain valves.

### Isolation valves

Cracking of body material · Delamination of seat material · Increased loss of material integrity · Increased deterioration of body and bonnet material .

Upon successful completion of the seminar attendees will be able to understand the principles as to why above mentioned problems occur and what can be done to prevent them.

### ANDY

*Seminars opened my eyes to new and innovative ideas and designs.*

### STEVE

*It really gets down to our problems and possible solutions.*

### IAIN

*Excellent technical overview and well structured site tours. Very Informative, enjoyable and educational.*

### MARK

*I found the seminar enlightening, especially in the way it was directed at actual problems we are currently experiencing within our power station fleet.*

*I especially liked the detailed explanations of these issues and the explanation of innovative quality solutions which were easy to understand, and all with a good sense of humour.*

*I came away thinking this is the sort of company I would like to deal with.*



[#valvesandmore](https://twitter.com/valvesandmore)

# AT THE HEART OF YOUR BUSINESS

# 8TH & 9TH November 2016



Book now for  
November or enquire  
about a Valves & More  
Plus for your  
company



AT THE HEART OF YOUR BUSINESS

## HORA, 8th November

- 08:15 **Welcome to Hora**
- 08:30 **Company presentation Hora**  
Facts & figures  
Core competences
- 9:15 **Valve sizing**  
Cavitation  
Flashing  
Multi-stage  
SPL
- 10:00 Coffee break
- 10:20 **Innovative solutions on control valves for an increased efficiency in flexible steam plants**  
2 in 1 valve  
Drain valves  
Desuperheaters, new innovation  
Pressure Reducing  
Desuperheating Stations  
Service
- 12:15 Lunch
- 13:00 **Production facility tour**
- 14:30 **Coffee break with open discussion**  
Various topics

## PERSTA, 9th November

- 08:15 **Reception/arrival**
- 08:30 **Welcome speech**  
Presentation Siepmann-Persta  
Tradition with innovation  
Facts & figures about the company  
the history, the present and  
visions for the future
- 09:15 **Sights & sounds of Siepmann Industries - Plant tour forging & valve division**
  - Persta product portfolio putting emphasis on high-pressure valves
  - References, applications, design highlights
  - Quality management & assurance (Quality policy, approvals, ITP's, internal as well as external guidelines/regulations etc.)
  - Welding, learning about Persta's technology and well tried procedures
- 12:00 Lunch
- 13:15 **Persta NL & UK representative: "materials"**  
Forging vs. casting  
Applications & references
- 14:15 **New generation of Persta High pressure system valves** for Combined Cycle Power Plants and stringent temperature gradients.



Valves & More is an educational technical seminar held in Germany, hosted by Advanced Valve Solutions and built around a two day program at Hora ([www.hora.de](http://www.hora.de)) and Persta ([www.persta.de](http://www.persta.de)).

Those attending the seminar are treated to a technical course that includes the design, calculation, functionality and fabrication of different valve types: control valves, desuperheaters, HP & IP bypass valves and HP isolation valves.

The subjects discussed are particularly relevant to the power industry and includes: thermal stress in materials, applications and constructions, design and reliability, cast versus forged material and new developments in the valve market.

Participants are given the opportunity to submit questions on technical and operational issues faced in their jobs in advance. If possible, we will adapt our programme to make the course even more interactive and efficient.

**Contact Rachel Nixon on 01270 534685 to book your place for November or to discuss running a Valves & More seminar specifically for your company.**





**Advanced Valve Solutions (AVS)** was established in 1999 and has since earned an unparalleled reputation for supplying specialist valves and equipment into some of the most demanding industrial applications. Our team of experienced engineers have been delivering tailor made engineered solutions to our customers in the Power, Petrochemical and Oil & Gas markets.

Over the years AVS has gained intimate knowledge in the specification and selection of complete valve packages including control valves, isolation valves and made to measure process solutions.

**Advanced Valve Solutions (AVS) has replaced many critical valves in UK power stations and has a proven track record in protecting stations from loss of production and saving £000,000s in repairs and replacement parts.**

**Call us on 01270 534685 to find out more about how we could help you.**

Advanced Valve Solutions (UK) Ltd

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