



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

5TH & 6TH OF APRIL 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.

MARK

Seminars were delivered very well with humour making it easy to keep the attention of participants.

STEVE

Enjoyed the seminars, the information was very relevant and interesting. I will recommend the seminar to my colleagues.

ROBERT

Very good course highlighting the common problems faced by CCGT assets across the UK.

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

5TH & 6TH APRIL 2016



*Book now for
April or enquire about
a Valves & More for
your company*



AT THE HEART OF YOUR BUSINESS

HORA, 5TH APRIL

- 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, 6th APRIL

- 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) and Persta (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 us 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.

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AT THE HEART OF YOUR BUSINESS