

## 3rd BHDt Urea Conference: another great success



"Assuring Safety and Reliability in a Urea Plant" was the central theme of the 3rd BHDt Urea Conference 2014, held on May 22 & 23 in Kapfenberg in Austria. More than ten technical presentations were given around this theme to more than eighty participants from all over the world. Together it resulted in a complete overview how to assure a Safe and Reliable High Pressure Piping system in your urea plant.

Dr. Harald Aichhorn, President of BHDt, opened the conference with a short speech welcoming all participants to the 3rd BHDt Urea Conference trusting this conference would provide added value to all participants.

Mr. Peter Mandl, Business Unit Manager of BHDt, presented the latest developments at BHDt

such as the state of the art design tools, the new building for Quality Assurance and Quality Control, a new production facility at Hoenigsberg and the latest technologies in the welding shop such as for example orbital welding. And Mr. Michael Simml of BHDt followed with a presentation about the impact of the shale gas on the fertilizer industry worldwide.



After the coffee break Mr. Jo Eijkenboom of Jo Eijkenboom Consultancy B.V. presented the current and future Urea Market conditions and provided an overview how to assure a Safe and Reliable

operation of a urea plant, starting in the design and engineering phase, following fabrication and manufacturing phase and finally during the operation and maintenance phase.

Mr. Alex Scheerder, of Stamicarbon followed with a Risk Based Inspection approach of corrosion under insulation of High Pressure piping in urea plants.

Mr. Norbert Brett of SKW discussed after the lunch the challenges and problems related to gaskets and bolting of high pressure flange connections and illustrated his presentation with numerous practical cases. Thereafter Mr. Dai Ishikawa of Toyo Engineering Corporation presented the material selection criteria for the urea synthesis section and its Quality Control.

The first day was concluded with a workshop tour to all three BHDt workshops with a focus on the High Pressure valve and fitting manufacturing and the high pressure



pipng welding techniques. The social program during the evening was vey colourful and was highlighted by local music and dance performances.

The second day Mr. Walter Russ and Mr. Manuel Prohaska of BHDT presented BHDT's latest innovations in the field of High Pressure valves, piping and components such as the ZERO DEAD VOLUME High Pressure Sampling Valve and the 3-D measurement technology of isometrics. Further Mr. Muchet of Flowserve presented the advantages and disadvantages of the various actuators and accessories for High Pressure control valves.



After the break Mr. Ruben Wageck of Petrobras elaborated the procurement and installation phase of the revamp project of the High Pressure synthesis section at the Araucaria Nitrogenado's urea plant in Brasil, where various high pressure valves, fittings and accessories were required.

Mr. Mark Brouwer of UreaKnowHow.com followed with the lessons learned from the training and troubleshoot services performed by BHDT and Mr. Thomas Richter presented the welding services project at the grass root urea project for Cherepovetsk in Russia during wintertime.



After these interesting presentations, all participants got the opportunity to shoot with a cross bow, followed with a spectacular prey bird show. The excellent wind and thermal conditions on the Kapfenberg castle terrace made the flight of eagles, vultures and condors a unique experience.

The 3rd BHDT Urea Conference was another great success. The presentations were very interesting, the program was very attractive and the warm Austrian hospitality atmosphere assured again an unforgettable experience.