

Commercial Presentation Theatre & Process Equipment Zone (Hall 1)

Day: 24th October
Time: 11,00 - 11,20

VALVITALIA SPA

Speaker: Luca Ruggeri, Umberto D'Angelillo



Valvitalia Innovation towards NET ZERO

Valvitalia strongly supports the ecological transition towards the “Net Zero” target, which has to be deployed in the next future in a deep energy transition:

- new energies, such as Hydrogen
- CO2 capture and storage
- Limitation of gas exhaust in the atmosphere

According to the above target, Valvitalia Innovation plan will develop new products such as:

- Ball valves 100% H2 ready for low temperature and high pressure service
- Actuator “Zero Emissions”

Regarding the ball valve 100% H2 ready, the starting point has been a frame agreement with Snam for valves up to 56” ANSI 600 H2 ready. Valvitalia also collaborates with Universities through a Joint Research Cooperation for the analysis of base materials, welding connection and sealing suitable for very low temperature and high pressure with 100% H2. The relevant valve prototype will be tested for the sealing validation with H2 by the end of June.

The actuator “zero emissions” with a “green” control system will avoid the discharge of gas in the atmosphere for valve operation.

A new project for valve suitable for CO2 capture and storage will start during the current year.