

BERTSCHenergy

Power plants
Process equipment

95
YEARS

TRADITION
QUALITY
KNOW-HOW
SINCE 1925

Heat Recovery Plant for Hydrogen Production

Reference Sheet



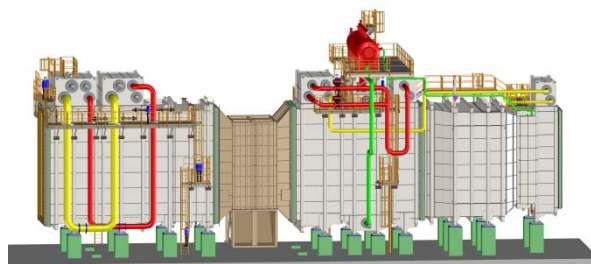
BERTSCH

TRADITION, QUALITY, KNOW-HOW. SINCE 1925

»Heat Recovery Plants for Hydrogen Production in the USA -Commissioning 2nd – 4th quarter 2012«

Heat should be recovered from the flue gas of the reformer in order to produce steam as well as to heat up steam, combustion air and different gas-steam mixtures. Our **thermotechnical, static and finite element calculations** as well as **3D and 2D constructions** lead to optimized components (e.g. **modular construction methods**).

Optimal component quality is achieved through highly specialized manufacturing techniques (e.g. **automated nipple welding**).



2 complete heat recovery systems

TECHNICAL DATA

» Design-code	ASMEI, VIII/Div. 1, S-Stamp U-Stamp
» Main material	P91, austenitic materials,...
» Flue gas flow/plant	355,000 m ³ n/h
» Thermal power/plant	136 MW
» Weight single module	between 56 and 87 to



SCOPE OF SUPPLY

- » Heating surface
- » Steam drum and pipes
- » Quench cooler
- » Refractory lining
- » Duct elements
- » Steel structure

