

Questionnaire

Hot Endoscopy

Customer	
Contact person	
E-mail	
Telephone number	
Account number	
Quote number	

Type of thermal unit? (Heater, Boiler, Cracking Furnace, Reformer, Incinerator, Combustor, Hot Gas Duct, etc.)

Operation temperature?

Inner flue gas pressure? (If pressure higher than outside and no process procedures to achieve under pressure, H.E. will not be possible!)

Kind of fuel? (Oil, gas, coal etc.)

Type of refractory lining? (roof-walls-door-floor); Ceramic fibre (modules or blanket lining), brick lining, refractory concrete?

Lining thickness? (as designed)

Condition of unit (linin) new/ old, how many years in operation?

Position of coils/ U-coils (only in petro-chemical units or boilers) versus walls. Drawing or layout available?

Position of burners? Radiant wall burners, roof burners and/or floor burners.

Position of peepholes (if present). Layout available?

Thickness of outer casing plate?

Permitted to cut 70 – 80 mm hole in casing plate? (In combination with fibre lining)

Photos available of area where H.E. has to be performed?

Is there an emergency cooling, like steam cooling or compressed air cooling, running in H.E. area?

How is access versus H.E. spot(s)? (Terrace, stairways, temporary scaffolding, hoisting cabin)

FOR A H.E. WE NEED CONTINUOUS SUPPLY OF FRESH AND CLEAN WATER (ALSO AT ELEVATED HEIGHT), DISCHARGE OF WARM WATER, COMPRESSED AIR AND ELECTRICITY (220 VOLTS, 50 HERTZ)!!! PLEASE CONFIRM AVAILABILITY!