Case: Observation at a heat of 300 degrees

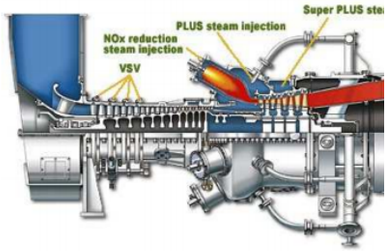
A water cooled inspection system detects any leakage under a steam injected turbine. Detection is performed at a temperature of 300 degrees and tremendous noise. No job for humans, the right job for a camera.

The well known gas turbine electricity plant of Saint-Ghislain (B) wants to reduce its discharge of NOx by controlling heating temperature. For that reason the turbine is injected with steam. Leakage in this complex system however reduces efficiency.

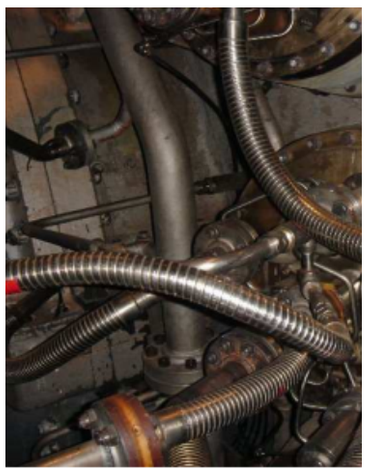
Camtronics has developed a water cooled camera system to detect waterdrops etc. under the gas burners.

In this way it is possible to interfere at once without shutting down the plant. A remarkable and unique job if you see the chaos of pipe-work and wiring (see pictures on the right) where under, behind and above inspection has to take place. Moreover local temperatures are 300 degrees Celcius and there is a tremendous noise. No job for humans, the right job for a camera and a good point for the enviroment.

Do you have a question about one of these customised projects? Please contact us using the contact form or call +31 (0) 499 49 45 90 for more information.



Turbine schematic



Gas burner

Chaos of tubes