



# **BOILER & PRESSURE VESSEL**

REPAIR AND RECONDITIONING SERVICES

A large, cylindrical industrial machine, possibly a steam boiler or a large autoclave, is shown in a factory setting. The machine has a metallic, riveted exterior. A large circular opening in the front reveals a dense array of small, circular perforations or tubes inside. To the right of the opening, there is a pressure gauge and various pipes and valves. The background shows the interior of a large industrial building with high ceilings and structural beams.

**CCC GROUP ENSURES THAT EACH  
PROJECT IS TREATED WITH EQUAL AND  
UNPARALLELED ATTENTION TO DETAIL.**

## **BOILER RECONDITIONING SERVICES**

CCC Group helps clients maximize boiler efficiency by providing comprehensive boiler reconditioning services. We have the expertise to manage a successful reconditioning process from the outside-in, which includes tube replacements, new casing and insulation, new refractory, level control replacements, new wiring, new gaskets, updated control systems and even brand new industrial coating.

CCC Group works with clients to find the most efficient, economical and effective solutions to extend the life of boiler systems and help reduce operating costs.

## **PRESSURE VESSEL REPAIRS WITHIN ACCORDANCE TO NBIC / ASME**

CCC Group is highly adept at quickly repairing pressure vessels that have suffered deterioration due to corrosion or regular mechanical wear. When our project teams are deployed they work closely with our quality control team and our authorized inspection agency in order to expedite the process without compromising any standards. We apply safe, proper and exacting procedures, quality welding and testing to ensure success during the vessel's outage.

## **PRESSURE VESSEL TESTING & INSPECTION SERVICES:**

- **ON-SITE STRESS RELIEVING SERVICES**
- **PRE- AND POST-WELD HEAT TREATING**
- **HYDROSTATIC PRESSURE TESTING**
- **PRESSURE VESSEL TESTING**

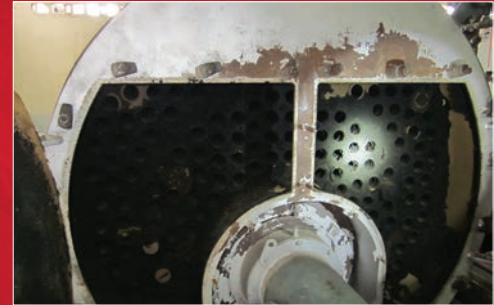


## BOILER REPAIR

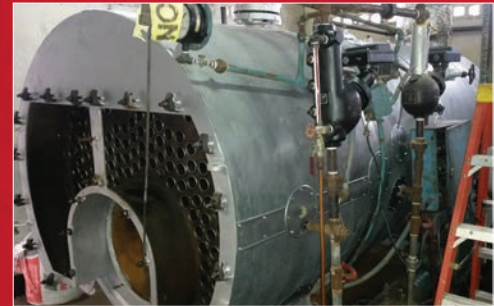
Since 1995 CCC Group has provided boiler and pressure vessel repair services. We provide general and preventive maintenance, inspections and repairs as well as updates and reconditioning services.

As a National Board “R” Certificate holder, CCC has a quality control system in place to ensure adherence to ASME guidelines. Our boilermakers have gone through rigorous testing and their quality of work has been certified to meet stringent standards. This allows CCC to perform repairs or replacements to generator tube banks, main headers and water walls.

**QUALITY CONTROL** - ASME and National Board Codes, insurance requirements, not to mention overall safety and reliability are main directives on all projects executed by CCC.



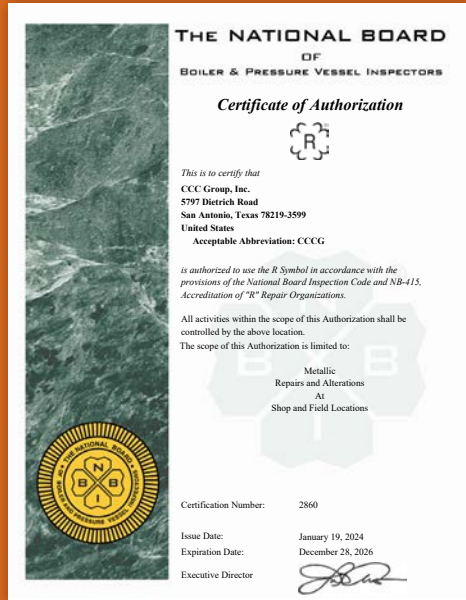
**BOILER PRIOR TO RECONDITIONING**



**BOILER AFTER RECONDITIONING  
PERFORMED BY CCC**



**REPLACING AN 850 PSI STEAM VALVE**



## ANNUAL BOILER INSPECTION SERVICES

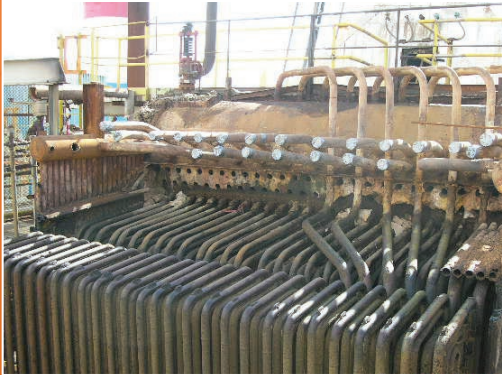
Annual inspection is typically geared toward a specific piece or set of equipment and involves a planned outage to open the boiler(s) and inspect the fire and water side. As a qualified service company, we work with our QA/QC inspectors to identify and record any problems that might exist and make any repairs that may be required on components.

Our annual boiler inspections typically include:

- remove and replace calibrated safety relief valves
- open the boiler(s), inspect tubes, tube sheets and level controls
- close the boiler(s), clean the outside area and prepare for firing
- conduct performance test on the boiler safety interlocks, controls and valves
- inspect related equipment including deaerators, feedwater systems, economizers, blowdown systems, etc., as applicable

Once the boilers and equipment pass inspection, a new annual certificate of operation is issued from the (ATM) Ministerie van Arbeid, Technologische Ontwikkeling en Milieu (Labour Technologies and Environment). ATM will oversee all generated reports and procedures.





## REPLACING TUBES IN THE LOWER GENERATING BANK

## TYPES OF PRESSURE VESSELS & EQUIPMENT WE REPAIR:

- SUPER HEATERS
- AIR RECEIVERS
- TUBE SHEETS
- HEAT EXCHANGERS
- HIGH PRESSURE STEAM DRUMS

For more information  
[www.cccgroupinc.com/suriname](http://www.cccgroupinc.com/suriname)



#### **CCC GROUP ALSO OFFERS:**

- Industrial construction, repair & maintenance
- Emergency services (Available 24/7)
- Equipment rentals



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