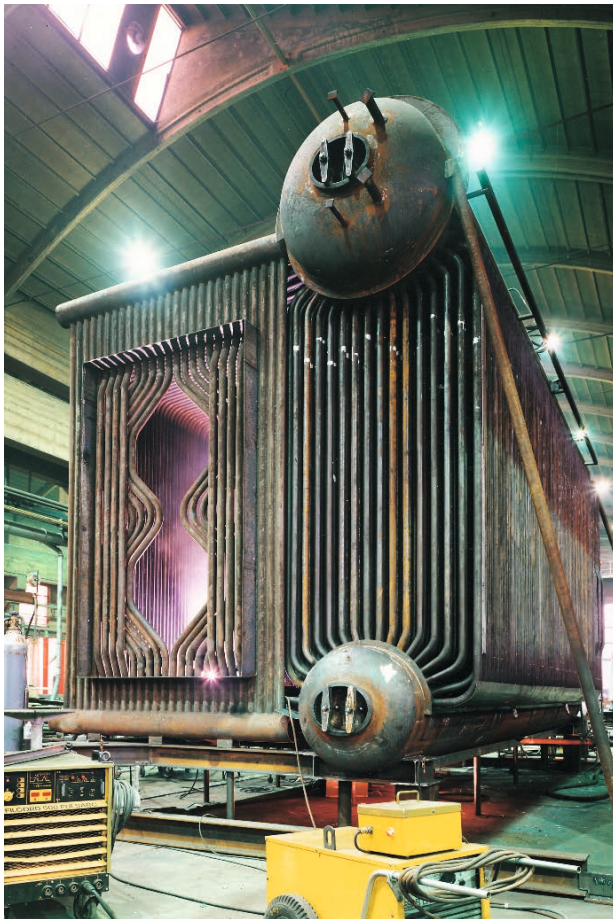
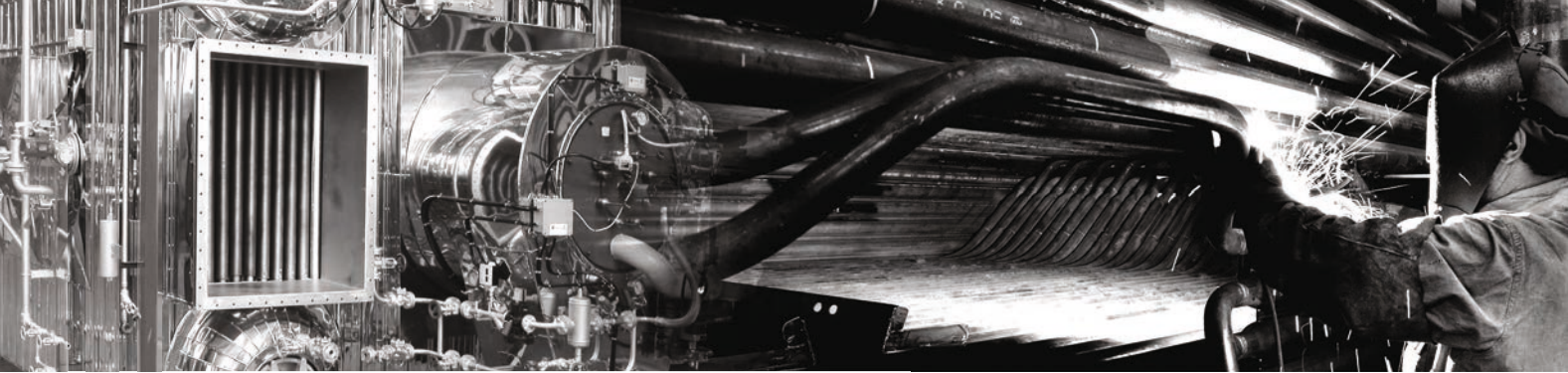


BONO CT

WATER TUBE STEAM GENERATORS

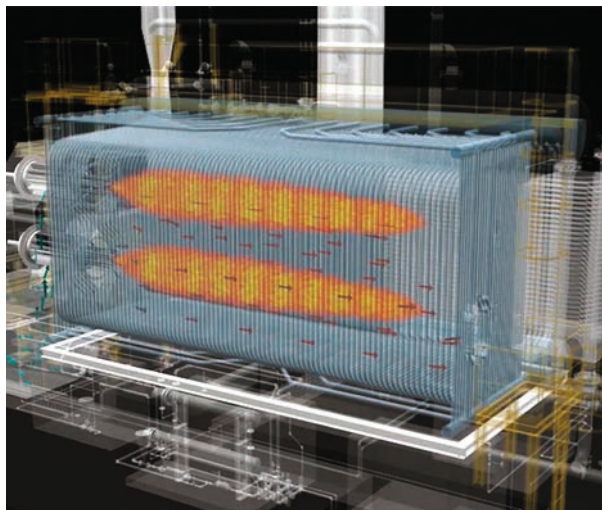




CT bi-drum water tube design

CLAJTUB

CLAJTUB water tube type steam generators are the result of over 50 years experience of BONO ENERGIA in the industrial, petrochemical and power generation application.



Engineered using the most advanced CAD systems, these generators guarantee the highest operating features thanks to the BONO experience on heat transfer, welding technology and pressure vessel calculations. The production, made in Peschiera Borromeo facilities, is based on ISO 9001-2000 quality standards with inspection plans for material, production process and final test.

A certified documentation is released to the customers together with installation, operating and maintenance manuals.

Boiler structure

CLAJTUB series water tube steam generators represent a modern concept of "D" shaped design having two overmounted drums, expanded vertical tubes and full water walls type furnace. The water circulation inside the boiler is of the natural type.

Flue gas tightness is realized on the external walls by means of longitudinally finned tubes.

The burner is housed inside the front water wall by means of properly shaped water tubes.

External walls and drums are insulated by means of high density rock wool panels, covered by stainless steel lagging, water tight for outdoor installation, anchored to the supporting structure and easy to disassemble.

Heat recovery units

Boiler efficiency is becoming today more and more important for the boilers operation. BONO provides a wide and dedicated range of economizers (bare or finned tubes type) to ensure the highest boiler performance (94÷95% efficiency on Low Heating Value) even with different available fuels.





CT steam drum drilling

BONO competence: complete thermal power stations

BONO ENERGIA is able to design, plan, erect and start-up complete power stations, even having a combined production of thermal and electric power.

In cooperation with the sister Companies BONO SISTEMI and ARTES INGEGNERIA, all belonging to the Cannon Group, it is able to supply water treatment and conditioning plants for each type of boiler, including total demineralisation plants and physical thermal de-aerators. BONO's experience in this field is witnessed by hundreds of projects successfully completed in the last 50 years and a list of the most significant projects is available upon request. Primary power generation utilities, chemical and petrochemical companies benefit from BONO's experience for the successful completion of power plants constructions.



CLAJTUB				
Sizes & Models		Fuels		
From 8 t/h to 60 t/h		Natural Gas	Refinery Gas	"Reach Gas"
		Fuel Oil	"Lean Gas"	Coke Oven Gas
From 60 t/h to 250 t/h		Diesel Oil	Hydrogen Gas	Process Gas
Capacity up to 200 MWt - Design pressure up to 100 bar - Superheated steam temperature up to 550° C				



CT “turn-key” installation for chemical application



CT Ultra Low Nox application with “reach gas” fuel from chemical process



CT 20 t/h auxiliary boiler for power generation