

Combine Cycle Power Plant Moncalieri Torino Italy

Install on main condenser 72"

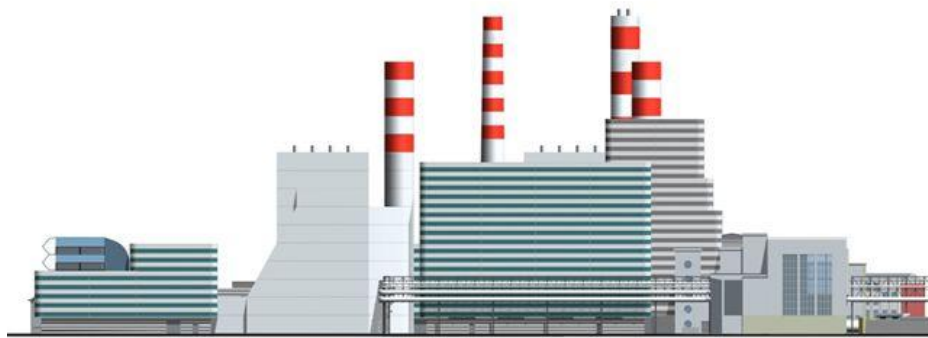


AEM

AZIENDA
ENERGETICA
METROPOLITANA
TORINO S.p.A.

Siemens AG
Power Generation

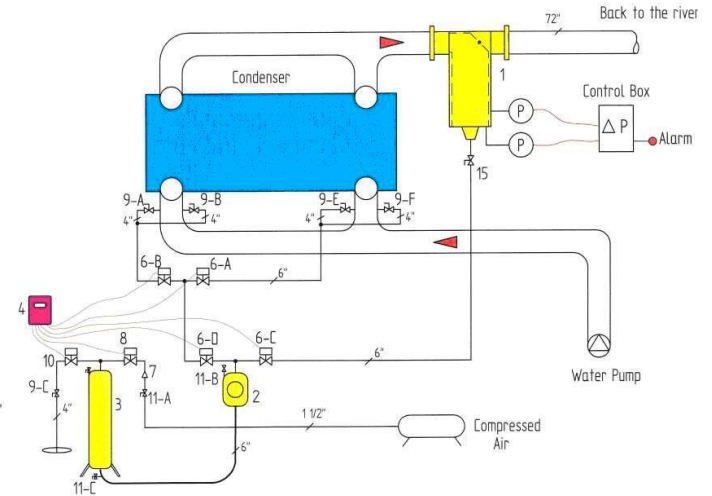
FIATENGINEERING



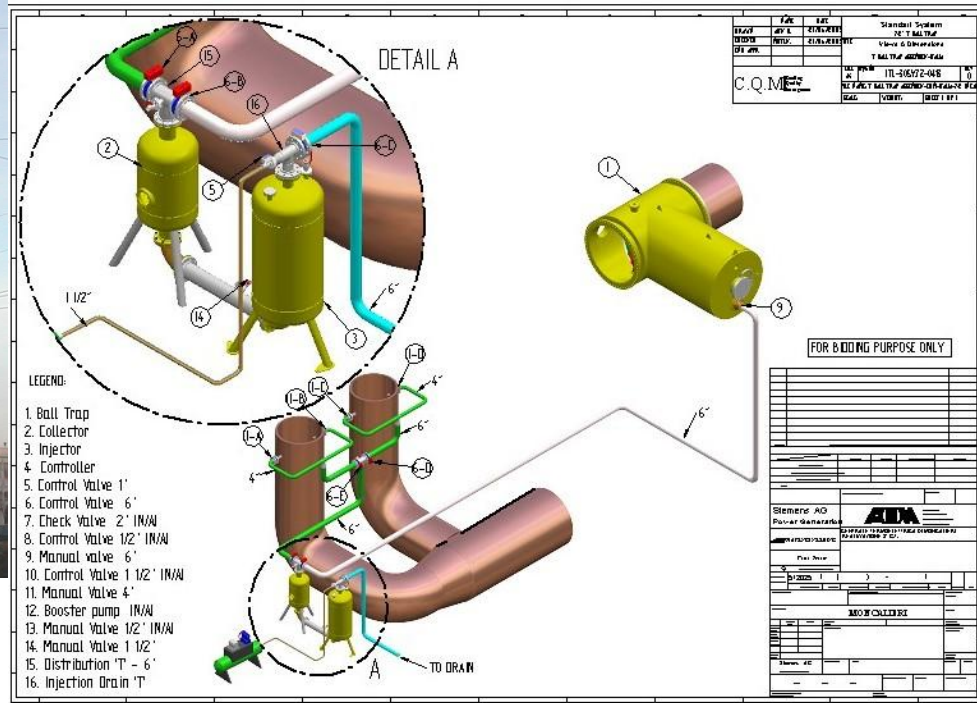
Legend

1. Ball Trap
2. Collector
3. Injector
4. Controller
5. Control Valve 1" (N/A)
6. Control Butterfly Valve 6"
7. Check Valve 1 1/2"
8. Control Ball Valve 1 1/2"
9. Manual valve 4"
10. Butterfly Control Valve 4"
11. Manual Valve 1 1/2"
12. Booster pump (N/A)
13. Manual Valve 1/2" (N/A)
14. Manual Valve 1" (N/A)
15. Manual Valve 6"

Power Stations
ATCS for Power Stations using river water

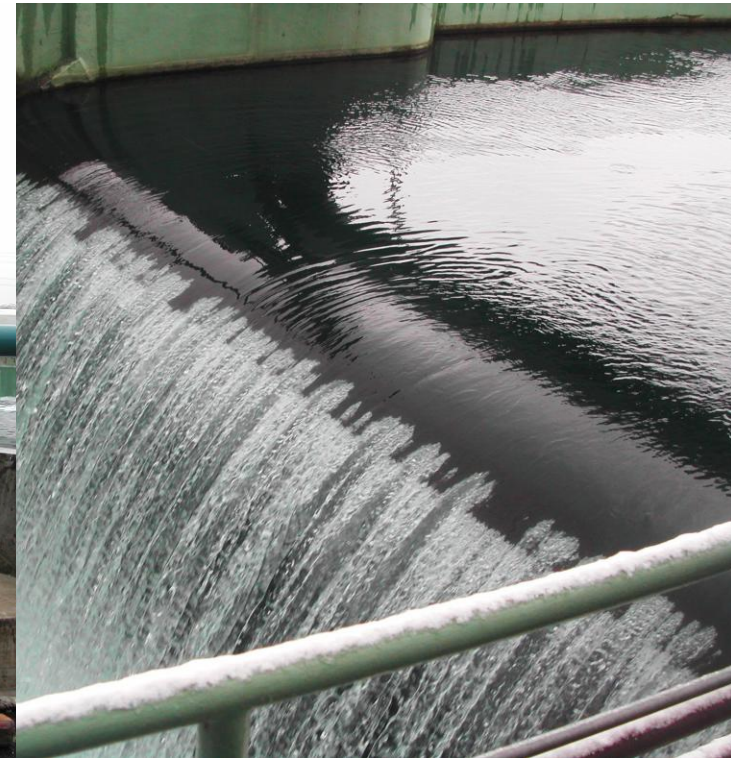


Following a tender held in 2003 which we won over many able competitors, C.Q.M. has designing according to ASMA standards a 72" caliber ATCS system to the AEM Power Station in Torino Italia



Our ATCS goes to the main condenser of the power station, whose turbine is produced by **Siemens AG**. The general contractor for the whole power station is **FiatEngineering**. Commissioning of the station is planned for 2005.

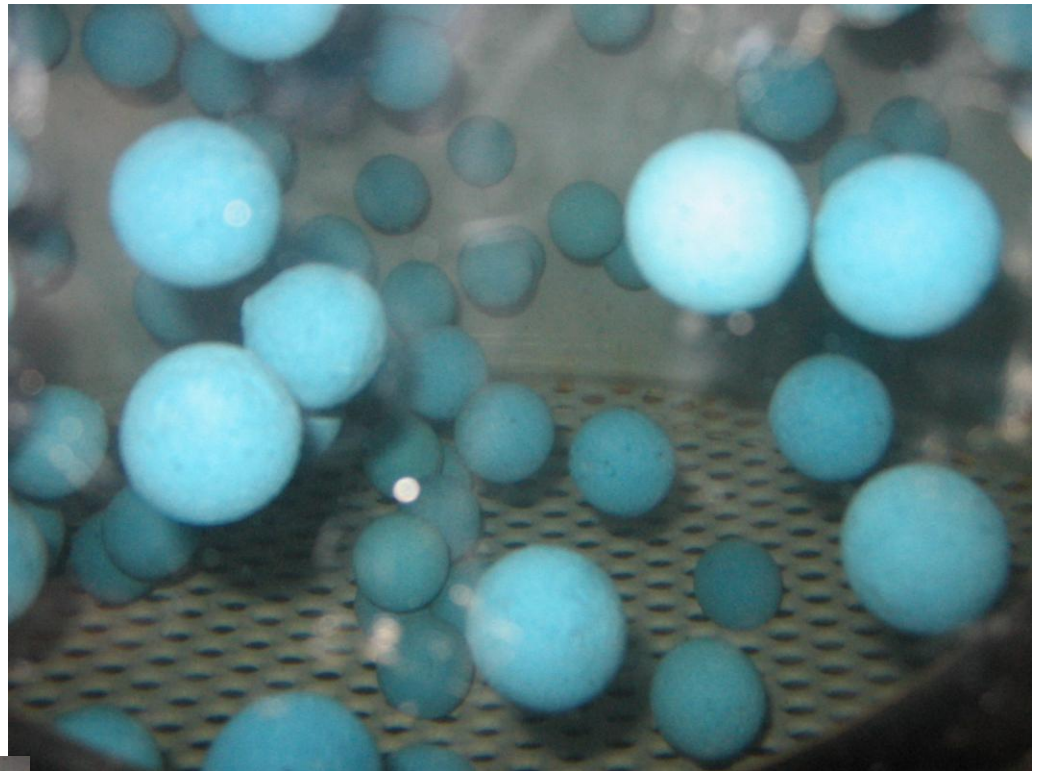
The design is unique in its solution of the problem of scale build up in heat exchangers, condensers, etc. All work was in accordance with ASME standards for pressure vessels and other standards as required.



The cooling water supply to the power station are river water, with plenty of sludge algae and dirt.

The cooling river water flow capacity is around - 22,000 m³/h .

The condenser has
7,000 tubes.
Tubes inside diameter
are 31 mm.
The ATCS system use
2000 32 mm sponge
balls.

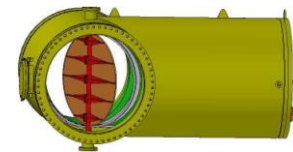
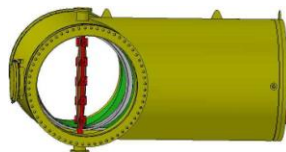
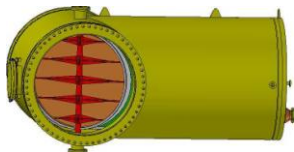


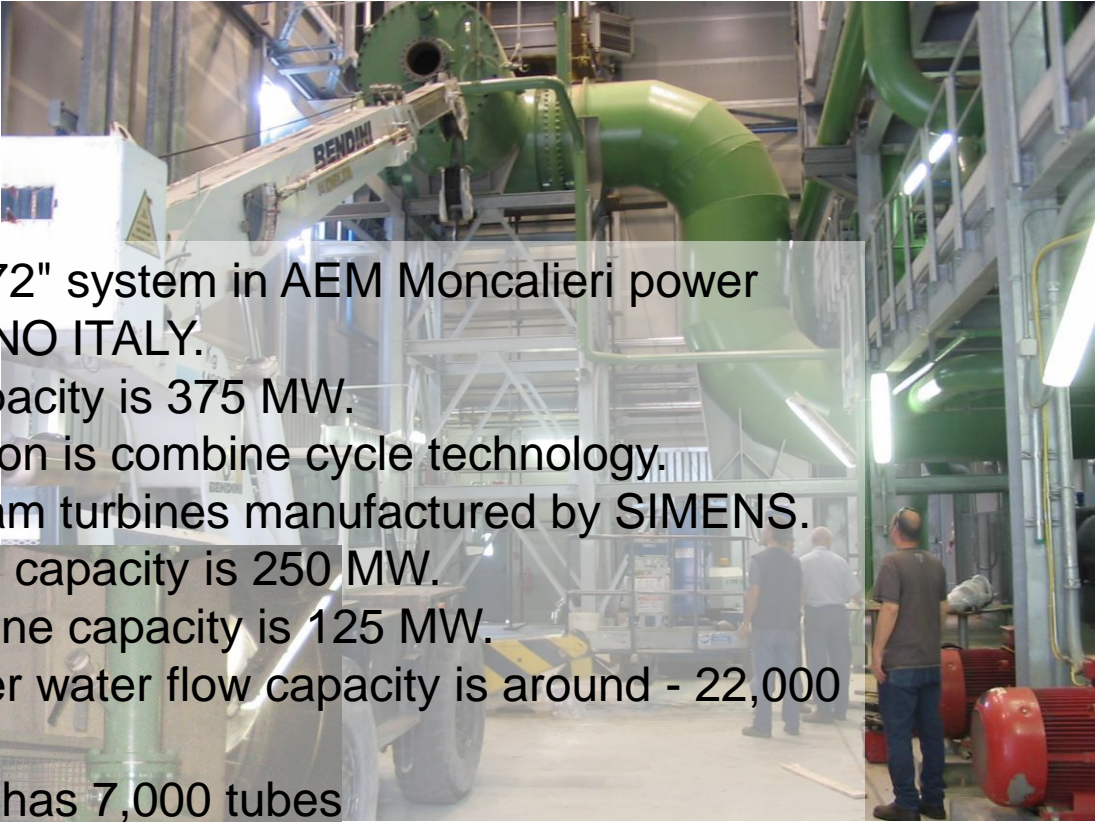


The ball trap size is 72”

C.Q.M ATCS large systems has a special solution for odd dirt that bypass all the filter systems (like Debris filter)

This unique C.Q.M ball trap has special backwash disk that enable self washing by turning the disk 180°.





CQM installed 72" system in AEM Moncalieri power station in TORINO ITALY.

The electric capacity is 375 MW.

The power station is combine cycle technology.

Both gas & steam turbines manufactured by SIMENS.

The gas turbine capacity is 250 MW.

The steam turbine capacity is 125 MW.

The cooling river water flow capacity is around - 22,000 m³/h

The condenser has 7,000 tubes

Tubes inside diameter are 31 mm.

CQM system will run with 32 mm balls

