

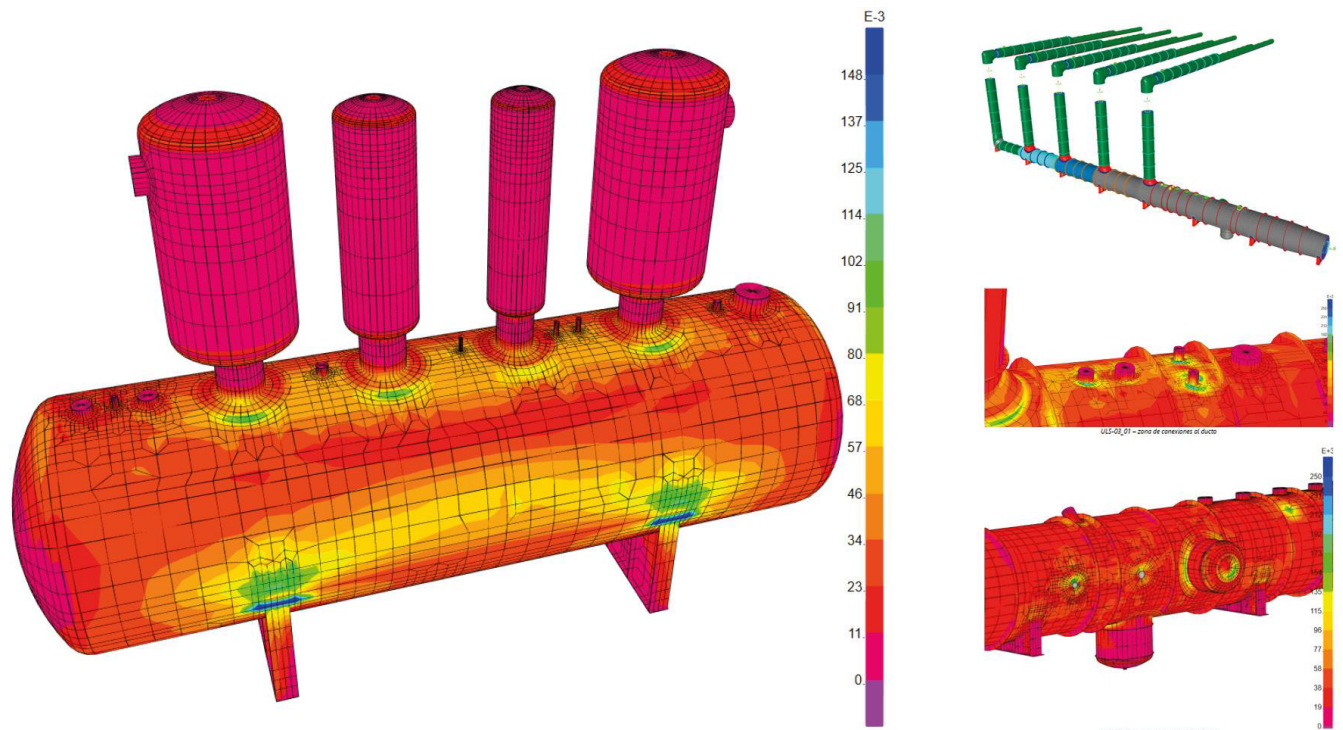


Air Cooled Condenser - Steel ducts and condensate tank calculation

Merida, Yucatan, Mexico / 2022-2023

Structural type
Characteristics
Owner
Client
Scope

Gas ducts & Pression equipments
Pipes and metal structures subjected to high temperatures and gas pressure
CFE - Comisión Federal de Electricidad
ESINDUS - HAMON - John Cockerill
detailed design



Calculation of piping and condensate tank for the air condenser, including determination of reactions and sizing of anchors to the foundation.

Air condenser ducts and condensate tank of a combined cycle (gas and steam) power generation plant with a net installed capacity of 532.9 MW, within the Mérida Thermoelectric Power Plant (CT) (in operation) owned by the Federal Electricity Commission (CFE) located in Mérida, Yucatán (Mexico).

Mérida Combined Cycle Power Plant will consist of 1 (one) Gas Turbine Generator unit (GTG), 1 (one) Heat Recovery Steam Generator (HRSG) and 1 (one) Steam Turbine Generator unit (STG) with an Air Cooled Condenser, in a 1x1 configuration



C/ Barquillo 23, 2º | 28004 Madrid | España
T. (+34) 917 014 460 | F. (+34) 915 327 864
www.fhecor.com | fhecor@fhecor.es