



About Us


An Expert For Your Project's Life Cycle


Our journey started in 2006 with the aim to provide engineering solutions for precious metal industry that will set the industry standards. Today, CH Consultants provides integrated turn-key solutions for ore beneficiation plant projects all around the world.


01. **Process Design**
Determining the maximum efficient process that will be a reference for all your project cycle.
02. **Plant Design**
Creating environmentally and user-friendly facility designs with our basic and detailed engineering studies.
03. **Manufacturing**
Manufacturing critical components for ADR facility; Electrowinning Cell, Regeneration Kiln and Heater Skid
04. **Procurement**
Managing the procurement activities of all equipment
05. **Construction**
Flexible services in construction from turnkey projects to on-site supervision.
06. **Project Management**
Plan, manage and control the entire project life cycle on behalf of the employer requirements.

Contact Us

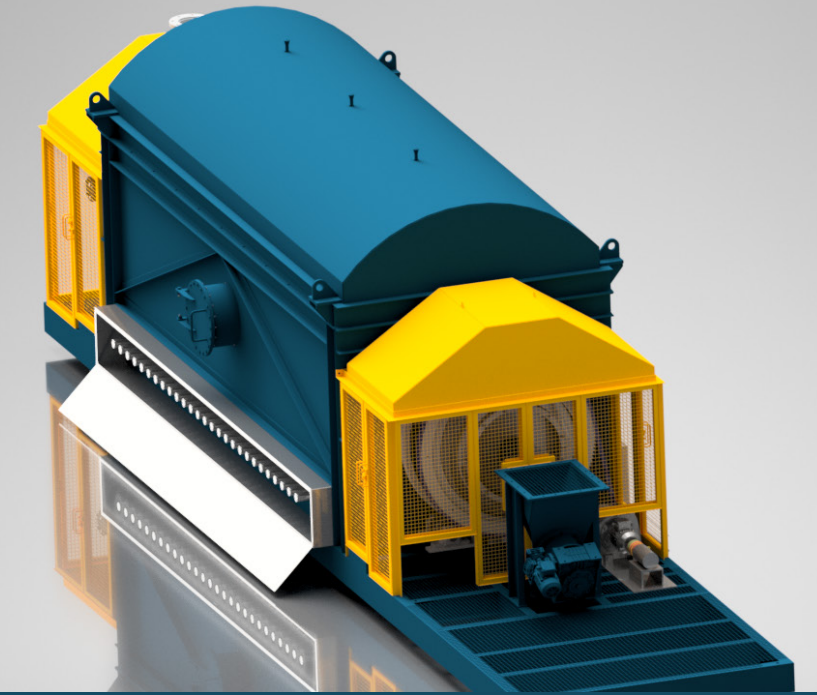
For more information and our special offers you can reach us anytime, anywhere.

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Please scan the QR code to view equipment in 3D

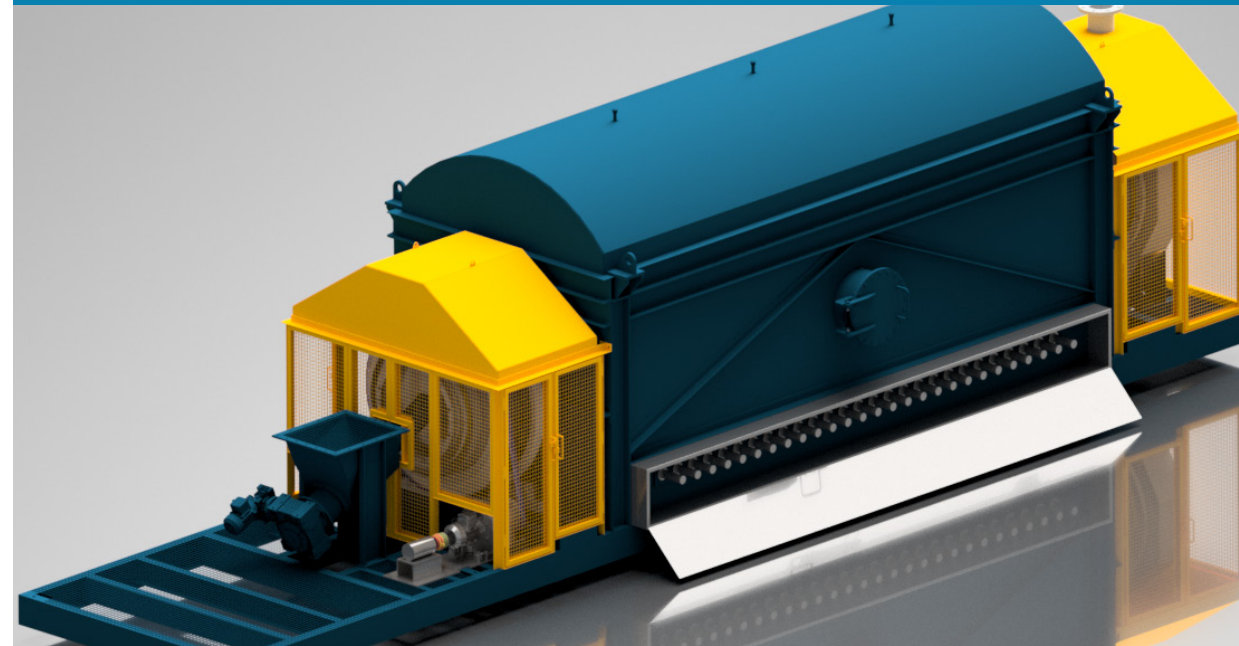


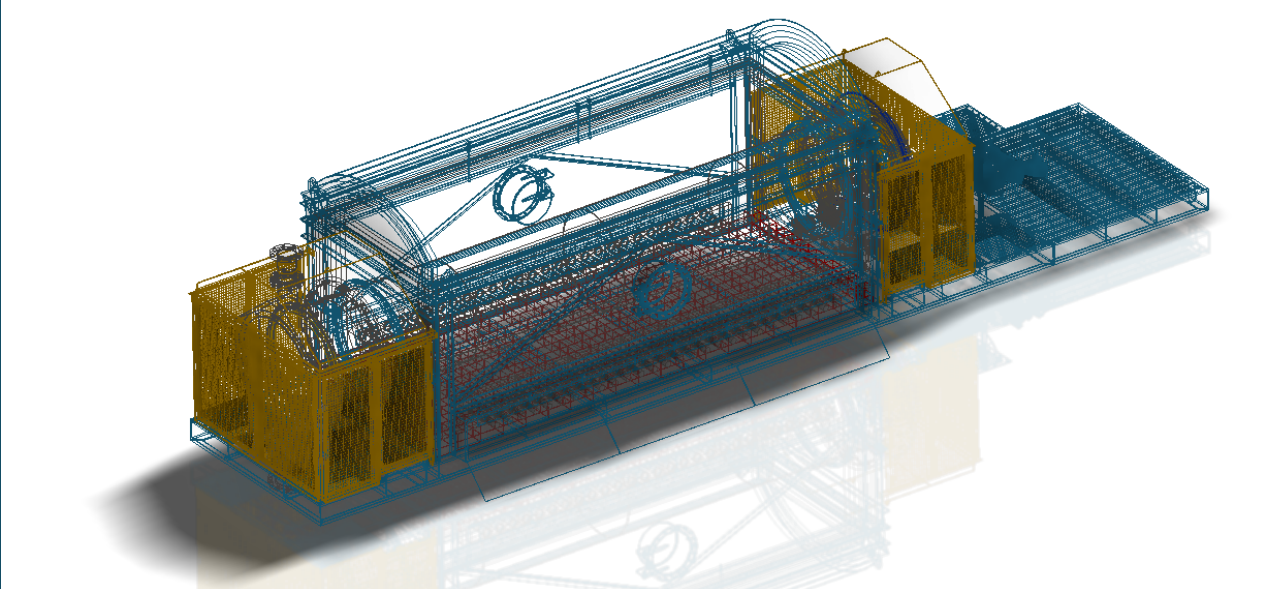
ADR EQUIPMENT SOLUTIONS

CH - Carbon Regeneration Kiln®



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CH - Carbon Regeneration Kiln®

Highlighted Features

CH - Carbon Regeneration Kiln® aims to remove inorganic materials and renewing the activation capacity of carbons to hold up precious metals.

CH - Carbon Regeneration Kiln®

About the Equipment

The presence of organic and inorganic substances in activated carbon prevents precious metals from adhering to the carbon surface. The inhibition of this property of carbon causes the metals in the solution returned in the process to not be recovered. As a result of the applied heat treatment, the organic and inorganic substances accumulated on the surface are burned and removed, and the carbon surface is reactivated so that it can interact with metals. Our carbon regeneration furnace, allows the carbon in ADR to regain its holding power for metals.

- Our Regeneration Kiln designed to work 24 / 7 with minimum maintenance.
- Thanks to optimum battery capacity, your operations continue without interruption in case of any power outage.
- The connection points of the heater resistors, which are placed outside of the equipment do not require any additional cooling system with occupational health and safety precautions taken.



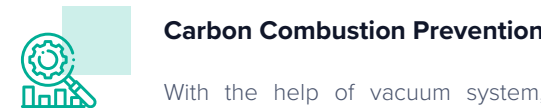
Infinite Life Bearing

All bearings in the equipment have an infinite life. Thus, it is not necessary to supply oil to the system and dosing oil, and it provides a great advantage in your maintenance cost.



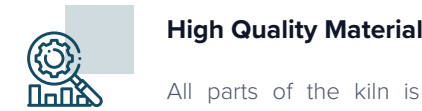
Silica Carbide Resistance

Silica Carbide Resistance are used for efficient heating and ease of maintaining without cooling down the kiln.



Carbon Combustion Prevention

With the help of vacuum system, carbon burning is eliminated during regeneration.



High Quality Material

All parts of the kiln is manufactured high quality material and insulation to prevent heat losses.



Continuous Operation

Kiln's optimum battery capacity offers uninterrupted operation and stable cooling in case of emergency.

Thanks to Our Integrated Automation System

Everything is Under Your Control

The automation system which integrated into our carbon regeneration kiln enables one-touch control of an entire carbon regeneration operation. Before starting the regeneration process, automation system scans the equipment and check it is ready for use, also inspects the equipment during the operation process and makes instant detection for any failure. Moreover the system automatically stops working in an unexpected situation without damaging the carbon and equipment in the furnace.

