



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

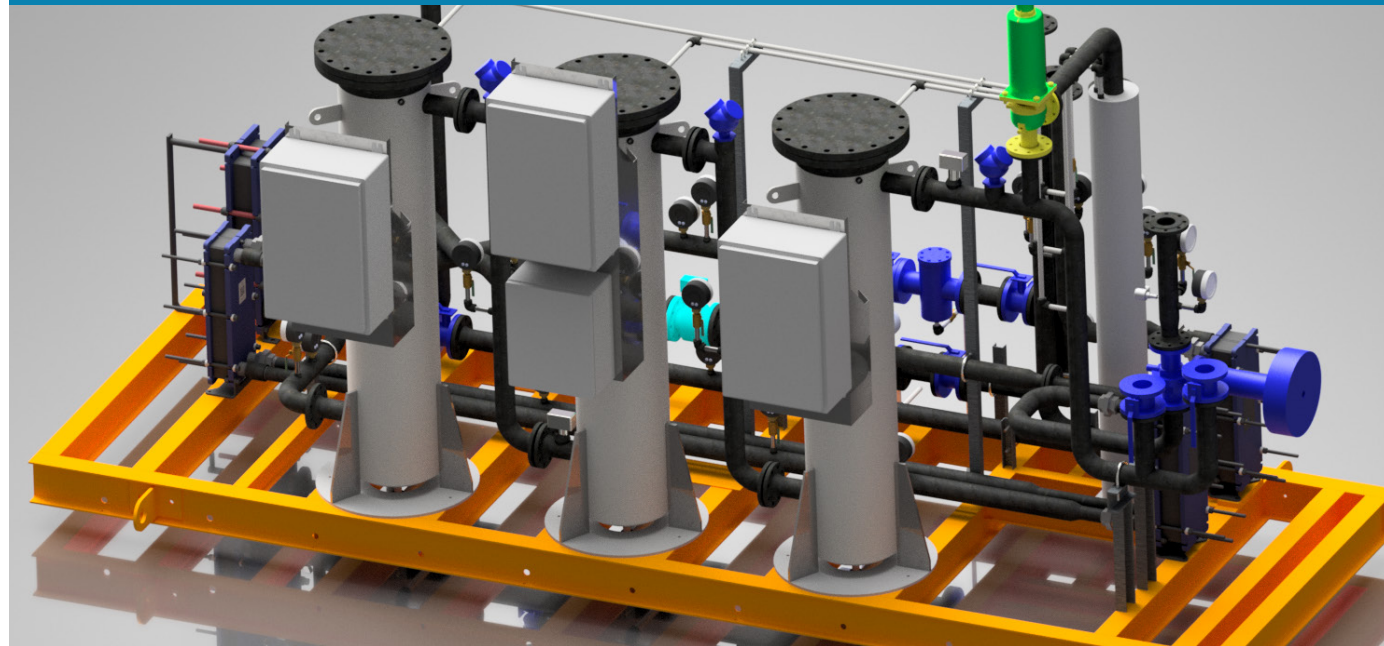
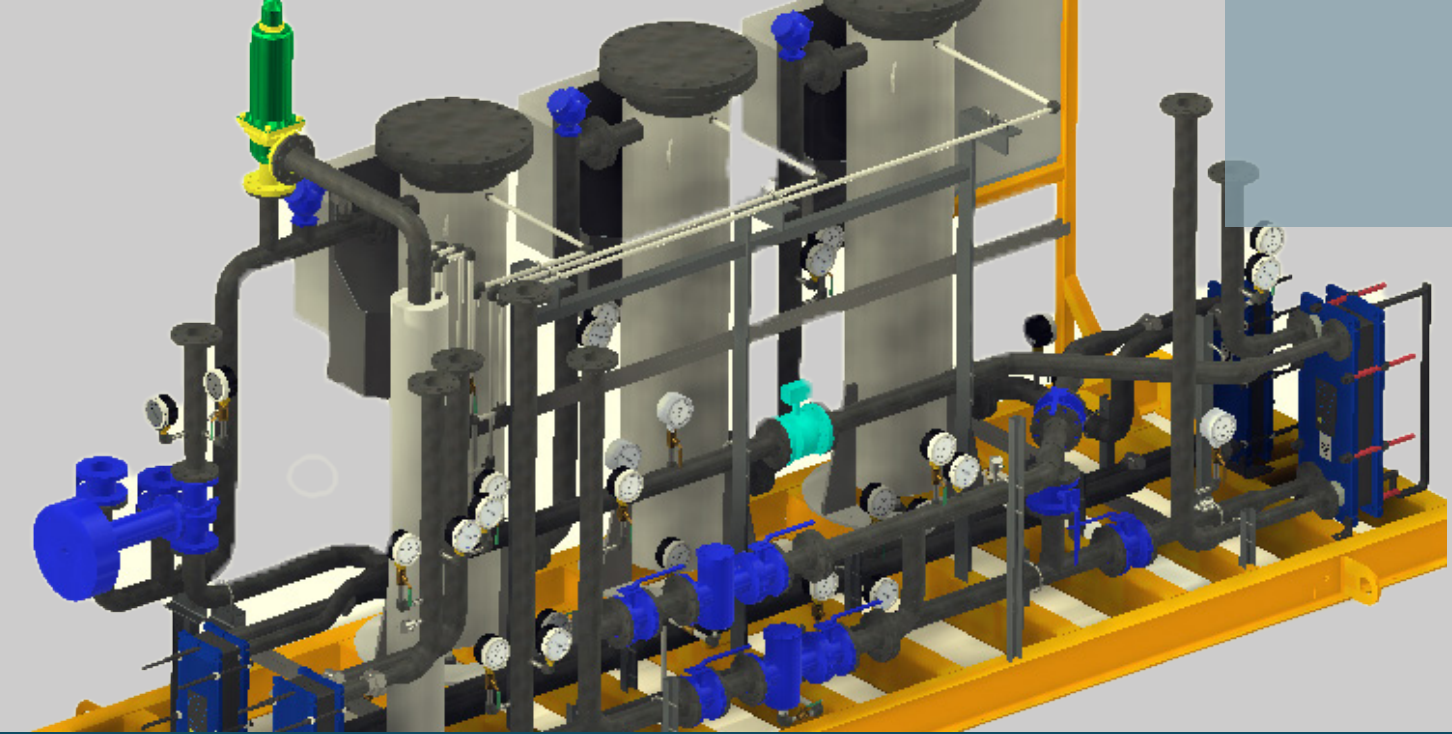
For more information and our special offers you can reach us anytime, anywhere.

Please scan the QR code to view equipment in 3D

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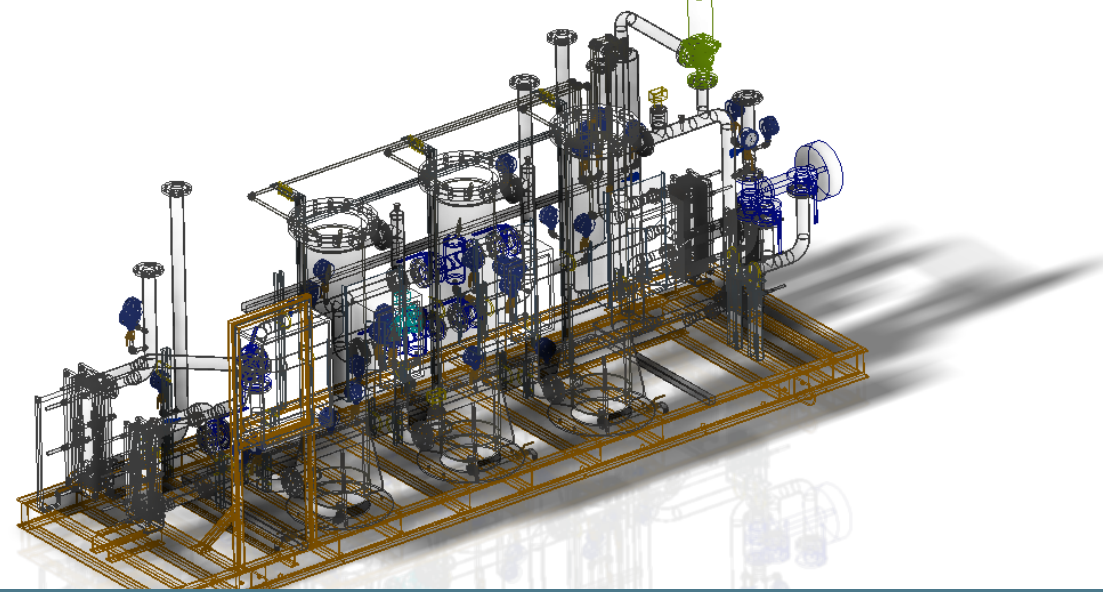
ADR EQUIPMENT SOLUTIONS

## CH - Heater Skid System®



Consultants

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## CH - Heater Skid System®

### About The Equipment

CH - Solution Heater System® provides effective heating and cooling of the chemical solution used in the precious metal recovery process.

### Working Principle

In the ADR process, temperature and pressure are the factors that directly affect the precious metal recovery. Stable temperature and pressure play an important role for keeping recovery rate at the highest level. In order to keep the metal recovery from the precious metal-containing solution at the maximum level, the temperature is recovered with the help of a heat exchanger before the solution is sent to the heaters. It is aimed to keep the solution at maximum temperature by consuming minimum energy with the help of heat

exchangers. Thanks to the necessary temperature and pressure assistance, the precious metals held by the carbon are released and transferred to the next process. In order to minimize heat loss, the returned solution is sent back to the heat exchangers to provide heat recovery for cold solution. The CH Solution Heater System®, raises the chemical-containing solution to high temperatures in a short time, shortens the process times and offers operations with maximum efficiency.



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## CH - Heater Skid System®

### Highlighted Features



#### External Filter

Filter systems prevent the particles carried by the solution from entering the heater unit during circulation. Thanks to additional filters, maintenance is provided without interrupting the process and prevent occlusion.



#### Automation System

With the integrated automation system that enables the equipment to be controlled with a single button, operations are viewed instantly and unexpected situations are detected in advance.



#### Easy Maintenance

With the washing inlets on the equipment, there is no need to remove the heaters for the washing process. In this way, clogging and heat losses are kept to a minimum.



#### Maximum Security

Safety measures in international standards have been taken for the system operating at high temperature and pressure. Safety valves and electrolytic monitoring system protect operator and equipment against unexpected situations.



#### Four Heat Exchanger System

The four-exchanger system, which provides maximum heat recovery, consumes less energy during operation.

## Maximum Efficient Processes with

### CH - Heater Skid System®

- Designed for all capacities with flexible power configurations, CH Solution Heater Systems® offer maximum efficiency and metal recovery for ore enrichment operations.
- Safe and operator-friendly use is ensured with optional temperature and pressure barriers.
- With the help of the automation system, the equipment status is instantly monitored and safe operations are achieved with maximum efficiency.

