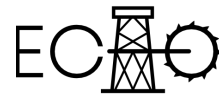
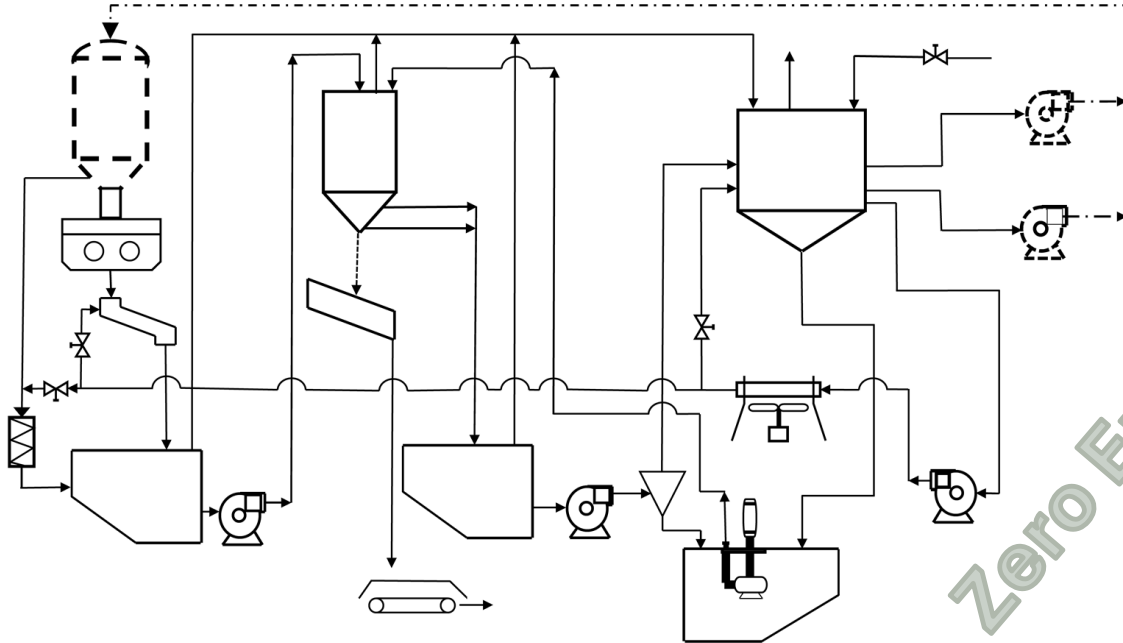


ECHO - Coke Handling 2.0



ENVIRONMENTAL
COKE HANDLING
OPERATION

The innovative and environmental friendly ECHO system is a state-of-the-art solution for coke handling in Delayed Coker Units. The system efficiently transports petrol coke from the coke drum to the conveying system and features advanced coke dewatering and water treatment processes to ensure efficient water reuse throughout the process.



Environmental friendly

- ✓ No emissions
- ✓ No effluents
- ✓ No steam exhausts

Safe

- ✓ Safe and healthy environment for operators
- ✓ Minimization of occupational risks and fire hazard within the DCU

Efficient and economical

- ✓ Low water consumption (as coke moisture only)
- ✓ Effective water clarification
- ✓ Extensive automation
- ✓ Low operation and maintenance costs

Flexible

- ✓ Flexible arrangement and configuration of complete system
- ✓ Use of existing coke pit in revamp projects
- ✓ Possible offsite location of dewatering bins



Key advantages compared to open pit

- ✓ Zero emissions
- ✓ Higher dewatering of coke and no water losses
- ✓ Less footprint and reduced superstructure height
- ✓ Low operation costs

