Case Study

Emergency Repair of Cladding

Kuwait

DATA AT A GLANCE

Chimney Height 200m

Rapid Mobilisation

BEC's ability to mobilise quickly and efficiently with experienced teams, minimised plant downtime.

Safety Excellence

Prompt response and meticulous approach ensured the safety of personnel and equipment.

Expert Execution

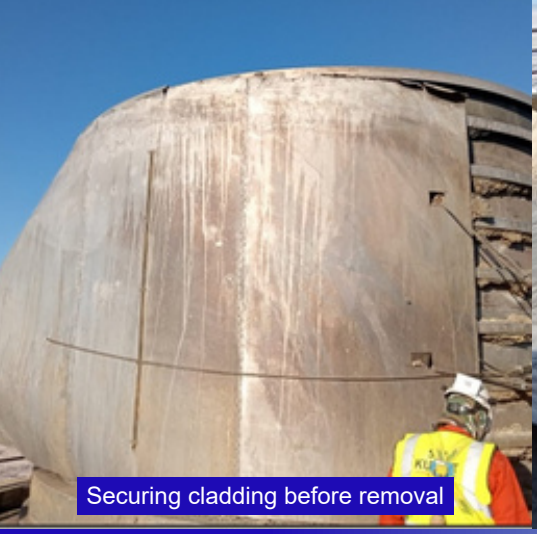
Precise rigging and cutting allowed for the safe and effective removal of the dislodged cladding.

Project Overview

BEC was called upon to resolve an emergency at the Az-Zour Power Station in Kuwait. High winds had caused the cladding on the Unit 2 flue liner to become dislodged, posing a safety hazard to personnel and risking damage to the equipment below. Access to the site was facilitated using a permanent staircase and gantries within the annular space of the reinforced concrete windshield. This critical task required swift action to ensure the safety of both the plant and the crew.

Challenges

- The section of cladding was large, overhanging the handrail, and extended beyond the reinforced concrete windshield. This presented a significant challenge, requiring careful securing and safe removal to prevent falling debris.
- The removal and relocation of the cladding demanded precise rigging and cutting to minimise risks and ensure the safety of the team.



Securing cladding before removal

Cladding laid safely

Insulation fully removed from stub

Owner

Ministry of Electricity and Water and Renewable Energy (Kuwait)

Client

STS Kuwait

Completion Date

February, 2025

Detail of work by BEC

BEC's team swiftly mobilised to ensure minimal downtime and maintain the safety of the Az-Zour Power Plant.

Securing the Cladding:
The cladding was secured using wire slings and chain blocks to prevent it from falling during the operation.

Moving the Cladding:
Once secured, BEC carefully moved the cladding within the handrails to a designated safety zone.

Cutting the Cladding:
The team utilised grinders to cut the cladding into smaller, manageable sections, which were then passed through the access hatch.

Storage and Finalisation:
The sections were stored safely at the floor level below the roof, with all rigging equipment removed and the area cleared.

The BEC Advantage

Through quick mobilisation and efficient execution, BEC was able to address the emergency repair at the Az-Zour Power Plant without delay. The team's expertise and safety-first approach ensured that the plant's operations resumed swiftly and securely. BEC continues to be the contractor of choice for complex, high-stakes operations, with a proven track record of managing safety-critical repairs.

Contact us to learn more about BEC's engineering solutions!

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