

TO WHOM IT MAY CONCERN

Premise

In 2020, POSCO E&C CO.,LTD have awarded Ferbeck International for the Engineering, Procurement and Construction of a concrete chimney as part of the Matarbari Ultra Super Critical Coal-Fired Power Plant Project.

Main chimney data

- Height: 275 m
- N. of liners: 2
- Liner diameter (internal): 6300 mm
- N. of internal platforms/walkways: 4
- N. 1 elevator type rack and pinion
- N. 1 set of High Intensity Aircraft Warning Lights
- Outer structure: concrete
- Internal liners: steel liners protected by Pennguard borosilicate system.

Activities executed

Ferbeck International as a Designer and Contractor had executed the following works:

- Complete design of the chimney (Civil, Mechanical, Thermo Flue Dynamical calculation)
- Construction of concrete windshield by slipforming method based on day and night shift-7 days a week
- Procurement and installation of internal steel platforms and ladders
- Procurement and installation of the internal liners
- Application of the borosilicate system on the liners inner surface
- Supply and installation of rack and pinion lift
- Chimney outer painting
- Supply and installation of lighting and lightning system, including aircraft warning lights
- Other minor auxiliary works.

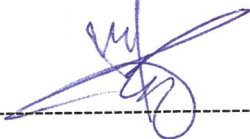
Job quality

All the job was done in Quality by a team of chimney specialists who worked in safety conditions and with respect of the environment.

Conclusion

We believe that Ferbeck International is a suitable EPC contractor for concrete chimneys.

POSCO Eco & Challenge Co., Ltd
Project Manager
Suk Jung Go



**POSCO Engineering &
Construction Co., Ltd.**
Posco E&C Tower 1, 241, Incheon
tower-daero, Yeonsu-gu, Incheon, Korea