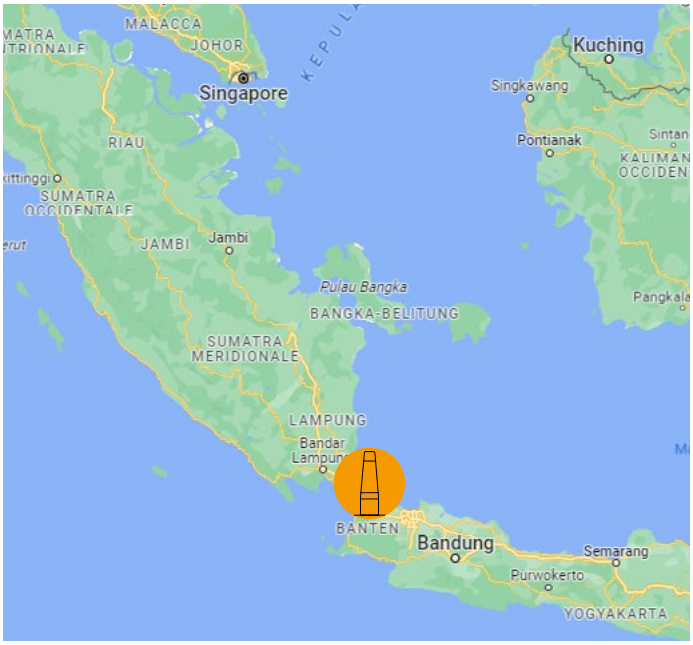
Jawa 9&10, Indonesia



Key facts about the plant

- 2x1000MW ultra-supercritical coal-fired power plant
- Owner: PLN Indonesia
- Contractor: PT Hutama Karya, Indonesia

Key facts about the chimney

- Ongoing
- Cylindrical shape
- H 266.5m
- Outer Ø = 21.6m
- 2 carbon steel liners, Ø = 8,500mm each with borosilicate protection

To meet the domestic electricity demand, the country is expected to require the development of more than 290 power plants. The Jawa 9 and 10 power plants are part of the plans to fulfil this demand. The project is owned by PT PLN, a national electricity utility owned by the Indonesian government. PT Hutama Karya is in charge of the engineering, procurement, and construction (EPC).

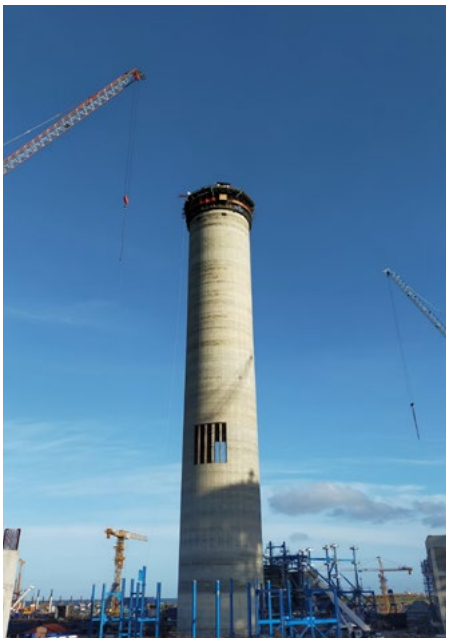
FERBECK INTERNATIONAL SA has been awarded an EPC contract for one 266.5 meters-height concrete chimney by PT Hutama Karya, Indonesia.

FERBECK's scope of work includes:

- concrete shell
- outer shell coat
- steel platforms and walkways
- borosilicate as internal protection
- all other steel elements (doors, windows…)
- access lift and ladders
- electric system (lighting, inner power supply, aircraft signalization lamps…)
- lightning protection system

Concrete Shell

The outer concrete shell is made of m3 of concrete with the following size:
• m (bottom), m (top)
• h m
The casting is performed with a slipform operating 24/7.



Platforms

4 platforms are installed inside the structure:
- roof platform at EL.+265m
- support platform (T.O.G.) at EL.+251.80m
- circular platform at EL.+197.80m
- guide platform (CEMS) at EL.+129.80m

The structure of support platform is made of a huge steel profile for bearing the load of the suspended inner liner.



Liners

The chimney has 2 carbon steel liners Ø = 8,500mm each with borosilicate protection

Overview of the plant

Jawa 9 and 10 are two power plant units that is developed as an expansion of the existing Suralaya coal-fired steam power plant located in Pulomerak District, Cilegon, Banten, Indonesia. Each unit will have a capacity of 1GW each.