



# E-BEAM AND SUPER STUD GANGED WALL SOLUTION

Mauban, Quezon, Philippines

## MORE EFFICIENT POWER TECHNOLOGY

The supercritical coal-fired power plant in Mauban, Quezon, Philippines under San Buenaventura Power, Ltd. Co. (SBPL), is a partnership between Meralco PowerGen Corp. (MGen) and New Growth BV, a subsidiary of the Electricity Generating Public Co., Ltd. or EGCO Group of Thailand. The power plant is said to be the first in the country to use state-of-the-art technology, which is more efficient than all other existing coal plants in the Philippines. The power plant will play a crucial role as electricity demand grows, especially in Luzon, which accounts for 70% of the country's gross domestic product.

## PARTNERING WITH EFCO

[FSPhil Corporation](#) is one of the subcontractors that received both civil and mechanical works packages by South Korea's Daelim Industrial Co. and Japan's Mitsubishi Heavy Industries.

## SOLD ON PREVIOUS SUCCESS

To achieve the challenging construction schedule, FSPhil Corporation selected EFCO to supply and design the formwork solution for the major superstructures that were awarded to them, including the column forms, wall forms and beam and slab support of the Steam Turbine Generator foundation. With the success of this first project, FSPhil Corporation was

impressed with the engineering support and efficiency of the formwork solution and decided to use EFCO systems again to build the 59' (18 m) high transformer firewall. EFCO designed an [E-BEAM®](#) and [SUPER STUD®](#) ganged wall solution measuring 98'-6" (30 m) long x 20' (6 m) high. The structure has been easily constructed in three lifts. The satisfied subcontractor was able to maximize their rental contract by using the EFCO materials on other structures and foundation works. ◇

Suk Ho Kang ..... President  
 Roselle Garcia ..... Vice President  
 Beom Sik Choi ..... Project Manager  
 Kun Hwang Kim ..... Construction Manager  
 Jeffrey Hong ..... Sr. Quantity Surveyor  
 Yong Bum Lee ..... Sr. Estimating Engineer  
 Jesus Ray Quirimit. Procurement Manager  
 Joel Torio ..... EFCO Sr. Territory Manager  
 Ferdinand Castro .... EFCO Field Supervisor  
 Caruso Pandes ..... EFCO Engineer



*EFCO designed 98'-6" (30 m) long x 20' (6 m) high E-BEAM® and SUPER STUD® wall gangs to easily construct the structure in three lifts.*