

Siempelkamp particleboard production line for Metro, Thailand:

Official inauguration puts the finishing touch on the complete line from one source!



A lucky elephant for the inauguration



The Thai Princess Maha Chakri Sirindhorn in the control room of the Metro plant

An official opening with a royal guest took place in Thailand in June: Metro Particle Co., Ltd. inaugurated its new line – the first complete Siempelkamp production line for particleboard! Even a member of the Thai Royal Family, Princess Maha Chakri Sirindhorn, was present at the festivities

By Henning Gloede

Dr. Dieter Siempelkamp with the First Board



Dr.-Ing. Hans W. Fechner and Dr. Dieter Siempelkamp with customers



Chatchai Piyasombatkul with family



At Metro's location Nonthaburi near Bangkok the complete production line manufactures particleboard with a yearly capacity of more than 500,000 m³. The company signed the contract in July 2009; the installation started in May 2010.

The June inauguration was not only a major milestone for Thailand's leading wood-based panel manufacturer. For the Siempelkamp delegation from Germany, Italy

and Singapore, this event was an honor. This ceremony was dedicated to a particle-board production line that was exclusively manufactured within the companies of the Siempelkamp Group. Among the invited guests were Dr. Dieter Siempelkamp and Managing Director Dr.-Ing. Hans W. Fechner from Krefeld, Dr. Mario Zoppetti (for CMC as Italian Siempelkamp subsidiary) and Henning Gloede (Siempelkamp Singapore).



Impressions ...



... of a ceremonial inauguration ...

... at Metro Thailand





Tour of the outside facilities

Mat-forming machine

Turnkey competence for Thailand: the Metro plant



The venue was a festival pavilion in front of Metro's production facilities in Nonthaburi. A red carpet was unrolled for the arrival of Princess Sirindhorn. Next to press and television, numerous officials and business partners were among the invited guests adding their good wishes for Metro on a framed piece of particleboard.

Since the start-up in the beginning of 2011, Metro has made significant progress in achieving its objective, which is to successfully and reliably supply the growing domestic market with particleboard products. With its complete production line by Siempelkamp, Metro achieves an impressive total particleboard output of 850,000 m³. Metro persistently pursues its objective – even during the opening ceremony production was not put on hold!

Chatchai Piyasombatkul, President of Metro-Ply, thanked the German partner for its services: "Our trusting cooperation with Siempelkamp has continued with this second particleboard line. We manufacture marketable products on one of the most modern lines of its kind worldwide," read the Metro statement.

The absolute special feature of the Metro project: The turnkey plant is a complete Siempelkamp product. Plant components that were formerly outsourced are now manufactured by the Group! The highlight of the plant is not only its capacity but particularly remarkable was the completeness of the scope of supply:

- Forming and press line including 8' x 40.4 m ContiRoll® press
- Front-end equipment such as chipper, flaker, oscillating screens as well as roller screens for chip and particle production
- Flaking technology such as drum chipper, knife-ring flaker, and secondary wood shredder
- Bunker, discharging devices, round silos with hydraulic discharge systems and rotor or discharging screws respectively, silos with discharge floor systems as well as gravimetric separators
- Dryer system
- Gluing system with resin preparation and dosing system, and glue blender
- Energy system with an output of 48 MW
- After the press: double-diagonal saw, cooling and stacking line, intermediate storage, inline book saw, sanding line, and reject station
- Automation
- Planning

- Production speed: 950 mm/s
- Produced widths: 2,460 to 2,500 mm
- Produced lengths: 4,620 to 5,520 mm
- Thickness range: 6 to 40 mm