



PRESS RELEASE



Always a Step Ahead

INNOVATIVE SEGMENT HANDLING CLAMP FOR HONG KONG AND SAO PAULO

CBE's handling equipment branch **Acimex** has just provided a brand new segment clamp with a hydraulic fastener powered by a **rechargeable battery** to the Bouygues-Dragages JV. The clamp **feeds the TBM with complete piles** of segments for the MRTC 820 Hoi Ting Road Tunnel in Hong Kong. On some building sites, energy may only be generated by a lifting engine, a tower or overhead crane with an important lifting height. The clamps previously provided were thus operating mechanically. Notorious disadvantages of these clamps were the impossibility of taking piles of different thickness as well as their important weight due to their design. Our new clamps with hydraulic fastening and autonomous energy supply allow mitigating these inconveniences. The arms carrying the segments slide along the frames guided by bearings requiring only little effort for opening and closing.



An embedded hydraulic power station allows a power supply to the opening and closing jacks by radio control. On the building site in Hong Kong the clamp is **equipped with an approved control device with double transmitter**, in order to have one on the surface and a second inside the access shaft without risking interconnections between the transmitters. A battery rack, easy to disassemble from the clamp, ensures the power supply of the system.

The **autonomy of the equipment is of a hundred opening and closing movements** before recharging that can be done either by replacement of the battery rack or by temporary connection of the charger to the rack installed on the clamp. Acimex can provide this kind of clamp with a capacity of up to 30 tons. This equipment matches perfectly with the increasing demands of our customers regarding safety and standards to be met in many countries. **The same type of clamp had been supplied to CM5 in order to handle segments for the subway extension of the line 5 in Sao Paulo, Brazil.**

St. Avertin, June 21st 2013

About CBE Group

CBE Group is the world leader in design & manufacture of segment moulds, their handling equipment & their automated precast facilities for tunnel lining. These quality products made in France are based on the long time experience in connection with a strong focus on innovation. Founded in 1987, CBE Group started its success story with the supply of moulds and precast carousel for the Channel Tunnel. Until today, CBE Group has realized 13 000 segment moulds and 250 precast facilities worldwide.

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