



FOR IMMEDIATE RELEASE: (November 6th, 2014)

Acimex Supplies Vital Vacuum Technology for Riyadh Metro

Acimex vacuum erector and segment trolley will be part of the EPB TBM made by NFM Technologies, ensuring the feeding and the precise positioning of the concrete segments that will line a part of what is considered as one of the largest subway construction projects worldwide: the Riyadh Metro.

St. Avertin, November 6th 2014 – The specialist in vacuum handling technology, the French company Acimex, announced its supply of a segment erector system as well as a segment trolley to the EPB TBM made by the French manufacturer NFM Technologies in Lyon. The TBM's goal will be the excavation and lining of six subterranean kilometers for line 3 of the new Riyadh metro. The scope of supply by Acimex includes a vacuum segment erector of 3,6 tons and a segment trolley of 4 tons that will manage the feeding and positioning of concrete segments inside the TBM whose cutter head features an impressive diameter of 10,16 m.

The vacuum trolley supplied by Acimex and installed in the middle part just behind the cutter head of the 100 meter long TBM allows safe uplifting, translation and rotation of concrete segments up to 8,5 tons each. Movements are electrically generated and their speed may be regulated. The segment trolley picks up the concrete pieces, lifts and moves forward in order to feed the erector system that is installed within a hydraulic device that allows for a rotation of 220° in order to place six standard segments and one key segment to form the inner concrete ring of the tunnel which has a diameter of nine meters. Both, trolley and erector, will have to move and place more than 23 000 segments to fulfill their job.

“This is without doubt a very notable project for us”, comments Acimex technical director Edouard Ferreira, “and our team is very proud to be part of such an important construction.” TBM manufacturer NFM Technologies reveals that the decision to purchase Acimex vacuum technology was based on “Acimex’ long expertise regarding segment erectors and their capacity to optimize design by respecting all technical requirements”.

The Riyadh Metro project comprises six fully automated subway lines with a total length of 177 kilometers including 60 kilometers of underground excavation. The construction of line 3 had been awarded by the Arriyadh Development Authority (ADA) to the JV Metro Riyadh Line 3 Ltd. composed of Salini-Impreglio, Larsen & Toubro, Nesma & Partners Contracting Co. who opted for the Earth Pressure Balance TBM by NFM Technologies.



About Acimex

Created in 1971, Acimex acquired its accolade in the domain of gripping and lifting of steel and sheet plates, mainly serving the iron, steel and mechanical engineering industries. Then, the company extended its knowledge delivering its competences to the concrete and pipe handling.

Acimex designs and manufactures vacuum devices for the handling of concrete, steel or PVC pieces and large scale tubes and pipes and works for major building sites and companies in public construction and civil engineering (Bouygues, Vinci etc.). Acimex supplies vacuum technology to tunnel builder companies (NFM, Robbins, Hitachi etc.) as well as to energy network construction ventures (GRDF). We work in the steel domain for the aerospace industries (EADS-Airbus, Dassault etc.).

Contact Information:

ACIMEX
26, rue Paul Langevin
37550 St. Avertin
Phone +33 247 25 57 85
Fax +33 247 37 13 66
www.acimex.net
contact@acimex.net

###