

VAHLE is about to finish the world-largest single eRTG conversion project at Modern Terminals Limited, Hong Kong

In 2011, Vahle has implemented its fully-automated telescopic arm power supply system to a fleet of 81 existing RTGs at Modern Terminals Limited, Hong Kong's longest established container terminal.

The power supply of the RTG fleet in 66 container stacks up to 270m length is now realized by a 14 km powerrail system of Vahle.

RTGs can enter and exit the system fully automated. The system is equipped with innovative solutions like auto-steering and anti-collision.

Modern Terminals Limited has been the first major port worldwide to electrify his complete RTG operation in its South China operations.

The formerly diesel-powered RTGs may now be operated by more environmentally friendly power from the public grid. In addition, noise and pollution from RTG operation will be dramatically reduced. Cost of power and for the maintenance of the diesel-generator will be reduced in addition.

Vahle had started the project in March 2011. By now all RTGs have been retrofitted and may be operated in e-mode. Training of the operator staff is taking place.

Many challenges had to be met as the RTG fleet consists of models of different OEMs and ages with various technologies. Even Hybrid RTGs have been modified to eRTGs. This project could only be executed in a close and trustful cooperation between Modern Terminals Limited's engineering and operations experts and Vahle.

The Vahle eRTG system has proven its value and reliability. Meanwhile other port operators order new RTGs equipped with Vahle's fully-automated power auto-arm directly from the RTG manufacturer.

About Vahle

Vahle is a world leader for innovative mobile energy and data transmission solutions based in Germany. Vahle generates a business volume of EUR 100 Mio. with 590 employees in 13 companies worldwide and is active through additional representations in 52 countries. The family-owned company looks back on a tradition of 100 years in 2012.

Vahle offers mobile electrification solutions for various application areas in the material handling industry. Main areas are crane technology, warehouse technology, production automation and the port industry. The product range encompasses powerrails, conductor bars, festoon systems, cable reels. Further data transmission and positioning solutions and the innovative contactless power supply system CPS.

Qualified personnel and a large standard product range provide for superior customer value and cost effective solutions.



Photo taken at E-RTG conversion project contract signing ceremony (from left): Juergen Henkel, Product Manager / Vahle; K.T. Lee, General Manager – Engineering & Planning / Modern Terminals; Dirk Korn, Managing Director / Vahle; Horace Lo, Chief Development Officer & Director of Engineering / Modern Terminals; Alan Liu, Executive Director / Wai Ming; Philip Lai, General Manager / Wai Ming and Stanley Lam, General Manager – Procurement / Modern Terminals