



CASE STUDY

Saigon International Terminal Vietnam

AUGUST 2010



The first of 7 STS cranes of SITV in place at the newly installed Crane Rail System from MHE-Demag Vietnam and Gantrail.

Hutchinson Port Holdings is one of the world's leading port terminal operators with 51 terminals around the globe. In 2009, they picked MHE-Demag Vietnam to supply and install 1412m of Gantrail Crane Rail Systems for the new Saigon International Terminal Vietnam (SITV) situated in Phu My around 80km southeast of Ho Chi Minh City. The project, worth US\$ 800,000 was completed in August 2010.

The scope of work for MHE-Demag Vietnam included the supply of all materials such as rails, sole plates, epoxy grout, rail clips, anchor bolts followed by the full installation of the system including welding.

The Gantrail crane rails are installed close to the quay, and laid out such that container cranes (ship-to-shore cranes) can move on them sideways along the quay. Each container crane weighs in at approximately 1000 tonnes, putting enormous pressure on the rails especially when in motion. The clips holding the rails and the overall installation in particular had to therefore be executed with exact precision using the best materials available.

END USER:

SITV –
Saigon International
Terminal Vietnam

OPERATOR:

Hutchison Port Holdings

CONTRACTOR:

MHE-Demag Vietnam
Company Limited

LOADS:

1000t Container Cranes

KEY BENEFITS:

- Project completed on time and within budget
- Dedicated team located on site throughout project duration

AIMS

The main aim of the project was to complete the installation within the timelines and specifications provided by the client.

TIMESCALE

Total installation time from date of contract signing to project hand over was 13 months. The installation was split into 2 phases (600m +814m) with the main focus on phase 1 since the first STS cranes needed to be installed shortly after installation.

INSTALLATION

The installation including rail welding was carried out by MHE-Demag Vietnam. Furthermore, MHE-Demag fabricated all sole plates at their own workshop in Vietnam.

The complexity of the project required a mix of both local and overseas sourcing for a broad range of materials. The installation took over a year, well within the schedule set by the customer. This was the first ever crane rail installation in a part completed by MHE-Demag Vietnam using its own resources. The team spent 12 months at the remotely located site and had to face both severe heat and wet days during the rainy season.

After completing the first 600 metres, it was a great sight to behold as the first container crane was loaded on to the rails – all ready for operation! The entire 1400 meters was completed in August 2010 with 6 container cranes operating on the rails. A long and complex job had come to a successful end, and team Vietnam looks forward to the next rail job coming on board.

ROI

By working with MHE-Demag Vietnam in partnership with Gantry Railing Limited, Saigon International Terminals Vietnam can be assured of first-class products, installation and after-sales services.

In addition, Hutchinson Port Holdings can as a global port operator and as part owner of SITV trust that Gantry Railing Limited be available wherever in the world supporting Hutchinson at any site at any location.



Installers grinding the welds



Gantrail - A world of crane rail expertise.

Gantry Railing Limited

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