

## 4. Discover a new way of learning

- A tailor-made crane simulator for training under real conditions set up in a new building including a 421 m<sup>2</sup> for the simulator, a debriefing room, an observation room fitting in up to 30 people, a meeting room, offices and a large room to accommodate other partial task simulators;
- An almost 10 m diameter spherical screen supplied with 12 full HD overhead projectors, providing a field of view (FOV) of 240 ° horizontal and 150 ° vertical, high resolution 3D images, a cabin with 6 - degree of freedom motion base inverted jacks, a cockpit with interchangeable command panels, all for a total immersion of trainees and sensations of real life vibration and motion;
- An outstanding experience, a genuine opportunity for the successful operating of port handling equipments.

### Real and Virtual training possibilities

- The use of the most advanced technologies in simulation engineering, allowing for the simulation of conditions closest to real life situations: weather conditions, engine and port noise, radio communications, alarms, braking, collision, ...;
- The ability to simulate random incidents to safely train crane operators in all possible situations, including emergency maneuvers.



Get in touch with Direction de l'Institut de Formation Portuaire  
1. Rue de Toulon  
20300 Casablanca - Morocco  
Phone: (212) 06 60 11 77 25 / 06 60 11 77 26  
Fax : (212) 05 22 40 85 66  
E-mail: j\_rizki@anp.org.ma  
www.anp.org.ma

Kingdom of Morocco



## PORT TRAINING INSTITUTE



Port  
Training : **simulation**  
at the service of  
**performance and safety...**

The Port Training Institute (PTI) suggests, for the first time in Morocco, to its partners and customers training on crane simulator built with the most advanced simulation technology available so as to learn and improve operating several kinds of port cranes safely in nearly realistic conditions. The training is carried out according to international norms and standards in the field.

Simulator Image



Real Image



## 1. HIGH LEVEL TRAINING

### PTI : Who Are We?

Since its creation in 1984, the Port Training Institute, following to ANP (the National Ports Authority), has been providing its services to both Moroccan and African ports as well as to port operators. The institute has facilities as well as educational and technical means close to Casablanca port, thus offering the perfect environment for port training, especially in the use and operating of port equipment. The institute's highly skilled expert trainers and its

high technology equipment are all available to meet the needs of the most discerning or demanding customers.

### A Safe high-level learning

The added value of the ANP (National Ports Authority) crane simulator training lies in the performance and broad capabilities of its system. Designed by international experts in the field, it ensures a safe, comprehensive and advanced training. Its high technology and its virtual reality are as yet unseen, and provide perfect results and an unparalleled training. The PTI provides this training at a competitive price compared to the international offer. Satisfaction is guaranteed.

## 2. A training approach, meeting your needs

- A needs analysis to draw up a program suited to your level and objectives according to a skills guide;
- A theoretical classroom training to upgrade and enhance the required knowledge to operate safely port equipment;
- A full-size crane simulator training according to a learning program based on realistic scenarios;
- After training on the crane simulator, trainees are assisted in real operational situations. Take advantage of a high performance evaluation method;
- Individual monitoring for each trainee in addition to a certificate by the end of the training, recognizing specified skills and the qualifications acquired;
- A gradual training with formal tests, reports and regular performance evaluations ;
- A performing automatic evaluation system at the same time. (Learning Management System).



## 3. Take advantage of a comprehensive professional sophisticated program



- Training established according to competence standards recognized in the field of port equipment, based on predesigned programs and equipments, allowing simulating six different port cranes to perfectly fit with the equipment used by the customer:

- Ship to Shore Container Gantry Crane
- Ore Bridge (Mineral) Crane
- Straddle Carrier
- Rubber Tyred Gantry Cranes (RTG)
- Mobile Harbor Crane
- Rail Mounted Gantry Crane

- A training that is meant to all port equipment operators, being beginner or experienced, and want to improve skills on the current equipment or recycle up on another category of cranes.