Above the expectation

TSB's 'MOST' tells technological ideas for multipurpose terminals.

According to the report of *'Review of Maritime Transport 2012 (UNCTAD Secretariat, New York & Geneva, 2012)'*, trade volume of bulk cargo shows relative resilience due to the boom of Asian demand for commodities such as iron ore and coal in 2012. While the dry bulk business sector takes almost one quarter of world seaborne trade in volume, the dry bulk ships keep increasing in size.

Nevertheless, multipurpose terminals handling those bulk cargoes and ships are suffering from the operational problems because of various types of facilities, different deployments of equipments by cargo types, the inefficiency and inaccuracy of warehouse management and cargo losses.

Perfect handling of the general cargoes seems to be impossible, because not only the general cargoes cannot be shifted into container but also berthing for various kinds of vessels and facilities for various types of cargoes cannot be separated completely.

In this perspective, it seems quite natural that terminals handling general cargoes require computerization of operation data for accelerated workflow and fast and accurate information processing.

In compliance with this business environment, TSB's MOST (Multi-purpose Operation System for Terminals) is featured with operating and managing the whole workflow in a web-portal.

This concept is for users and related stakeholders such as ship liner, forwarder, customs, stevedoring company, trucking company, port authorities and labor unions to work together and deal with the required operational jobs and information faster and more accurate. TSB's MOST aims operational efficiency, cost management and service quality.

Of course, this web-based system offers numerous functions and features specially designed for multipurpose terminals and its functionality is fully working regardless of terminal sizes.

MOST is equipped with resource management modules for humans, equipments and facilities and cargo warehousing and tracking modules to support various types of cargoes. These modules are produced as the result of in-depth analysis of workflow and user requirements of various multipurpose terminals through TSB's accumulated experience of installation and maintenance of MOST.

It helps users to get optimized operational results by allocating equipments and human resources properly and detect expected or unexpected problems like losing cargo.

In addition, MOST is designed as a single system platform which helps to maximize efficiency of data input and output and maintenance service. It can also manage the accounting information automatically through accurate data processing.

As users' interests on bulk cargos and multipurpose terminal operation keep growing, the market needs specialized and reliable operational methods including advanced IT solutions and these methods should be able to accommodate the necessity of continuous and significant changes.

MOST is designed as a web-based single system platform to enhance the terminal operation by accelerated work process and integrated information processing. As of 2013, TSB's MOST is successfully implemented in Johor Port Berhad, Malaysia, Kenya Port Authority and Port of Sultan Qaboos, Oman.