



PRESS RELEASE

New automated container terminal starts at Shanghai

BEIJING: January 02, 2018. China's State Council has announced the start of a US\$2.15 billion fully automated container terminal at Shanghai's Yangshan Port.

The automated terminal, or the fourth phase of the Yangshan Port project — part of Shanghai Port — has been designed to handle a maximum of 6.3 million TEUs (20-foot equivalent unit), making it the largest automation port worldwide to date.

Its unique energy consumption structure should result in zero carbon dioxide or other emissions while allowing savings of up to 70 percent.

“The new facility will increase the annual capacity of Shanghai Port to more than 40 million TEUs last year, which marks SIPG is entering a new development phase,” said Yan Jun, president of the Shanghai International Port Group.

According to Yan, the automatic port intellectual production management control system, or TOS system, performs as the brain of the brand-new port that covers an area of 2.23 million square meters. The system was researched and developed independently by the 200-plus R&D staff of the Shanghai International Port Group.

“Before the establishment of the automation port, which is also the final part of the Port of Shanghai, there were around 20 automation ports in the world, all adopting automation port systems designed and developed by global suppliers,” said Yan.

To master the core technology of port automation solutions, an R&D team was formed three years ago, which succeeded establishing 12 standards, which are likely to become the Chinese automation port standards in the future.

Compared to its counterparts, the greatest advantage of the Yangshan-version TOS system is that it allows port machinery to perform loading and unloading at the same time, according to Yan.