



## FIRST LARGE ETHYLENE CARRIER WITH CLT PROPELLER DELIVERED IN CHINA

Madrid, 25th June 214, SISTEMAR and SINM congratulate GREENSHIP GAS, Singapore, for the delivery of M/V JS GREENSTONE, the first out of four 12,000 m<sup>3</sup> ethylene carriers ordered for their subsidiary company EVERGAS, Copenhagen, and fitted with CLT propeller.

This successful delivery is an important milestone for SISTEMAR and for CLT propellers for three reasons:

- These were the first orders for CLT propellers from a Chinese Shipyard;
- These were the first CLT propellers tested at model field in China
- These were the first CLT propellers ever manufactured in China

The selection of the propeller was made after extensive study at model field, comparing conventional and CLT propeller, the tests results were clearly in favour of the CLT design and prompted the Owners to install the CLT propeller.

The sea trials, carried out in the East China Sea, confirmed the success of this design modification to the original contract. The installation of the CLT propeller increased the propulsive efficiency by more than 5%, exact saving figures depending on the draught and the speed.

SISTEMAR is confident such a successful result will lead to an important growth of the CLT propeller market in China.

### Ship characteristics

Length between P.P.	134.50	m
Breadth	21.60	m
Draft	7.50	m
Service speed	15.5	knots
Engine MCR	5,800	kW

### CLT Propeller characteristics

Diameter	5.3	m
Blade area ratio	0.435	-
Revolutions	110	rpm
Blade number	4	-
Type	FPP	-

SISTEMAR CLT propellers are the most widespread unconventional propeller (more than 270 installations worldwide) which noticeably improves the performances of conventional propellers (lower fuel consumption, higher speed, lower noise and vibration levels).

EVERGAS, [www.evergas.net](http://www.evergas.net), is one of the world's leading seaborne transporters of petrochemical gases and natural gas liquids. The company, headquartered in Copenhagen, employs more than 400 people around the world. EVERGAS has over the last years executed a complete fleet renewal process with its firm 20 ship order (excl. options) reducing its average fleet age to below 4 years. EVERGAS is involved in the small and medium sized segments within the transportation of petrochemical gases, ethane, LPG and LNG.

SISTEMAR, [www.sistemar.net](http://www.sistemar.net), is the Spanish company who has developed the CLT propellers. SISTEMAR is the only company, worldwide, able to design CLT propellers.

SINM, [www.sinm.it](http://www.sinm.it), is an Italian engineering consultancy firm providing services within the marine, off-shore and industrial markets. SINM is specialised in naval propulsion, plant design and modification of mechanical key components after failure. SINM is also shareholder and partner of SISTEMAR.

For additional information please contact:

SINM s.r.l. Ing. Giulio Gennaro  
Via G. D'Annunzio 2/88 16121 Genova  
Telephone +39 010 5958020 / [sinm@sinm.it](mailto:sinm@sinm.it) / [www.sinm.it](http://www.sinm.it)

– FINE –



**The CLT propeller installed on M/V JS GREENSTONE**



**M/V JS GREENSTONE.**