



DNV Id No.: 10137219  
Certificate number: 004/140228

# DET NORSKE VERITAS

## PRODUCT CERTIFICATE

This Certificate consists of 2 pages

This is to Certify that the product  
**Offshore Crane Operation Simulator**

and type designation  
**Offshore Crane Operation Simulator  
Multi - Model**

Manufactured by  
**ARI Simulation**  
New Delhi India

In use for simulation at  
**NUSI Offshore Training Institute**

is found to comply with  
Class A- Standard for Certification of Maritime Simulators No. 2.14 January 2011

Application

The above Standard is based on requirements in the STCW Convention, Regulation I/12.

This Certificate is valid until **2019-02-28**, provided the requirements for the retention of the Certificate will be complied with.

Issued at **Mumbai** on **2014-02-28**

for Det Norske Veritas AS

**Kamal Kumar**  
Country Manager



**Vernon Sequeira**  
Principal Surveyor

This Certificate is subject to terms and conditions overleaf. Any significant change in simulation performance may render this Certificate invalid.  
If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.

### Application/Limitation

The simulator is capable of simulating a realistic environment for all of the applicable OMHEC training standard 03-2003 requirements referred to in the column for Class A in Table B1.

Table B1 Competencies addressed by Offshore Crane Operation simulator class						
OMHEC TS reference	Competence	Class A (OSC)	Class B (OSC)	Class C (OSC)	Class S (OSC)	Class P (OSC)
Table 4.1.1	Plan lifting operations	A	B	C	(S)	(P)
Table 4.1.2	Implement regulations and standards	A	B		(S)	(P)
Table 4.1.3	Co-ordinate lifting operation with all personnel involved	A	B	C	(S)	(P)
Table 4.1.4	General and safety checks of crane, lifting equipment and load	A	B	C	(S)	(P)
Table 4.1.5	Carry out the communication-procedures	A	B	C	(S)	(P)
Table 4.1.6	Assessment of risks / hazards	A	B	C	(S)	(P)
Table 4.1.7	Know and assess distribution of forces	A	B		(S)	(P)
Table 4.1.8	Lifting operations at the offshore location; deck work and load-unload a supplier	A	B		(S)	(P)
Table 4.1.9	Safety measures when working with the offshore crane	A	B		(S)	(P)
Table 4.1.10	Parking the crane according to the company procedures	A	B		(S)	(P)

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