MPI Resolution

General:

The vessel is designed in close cooperation between Mayflower Energy and KNUD E. HANSEN. The vessel was built at Shanhaiguan Shipyard (SHG), Chenwei, China and is a Turbine Installation Vessel (TIV) capable of transporting offshore wind turbines to the wind farm site from ashore by its own power. The vessel is transitioning from the afloat condition to an elevated construction mode when installing the turbine structure with its own on-board crane. These operations are carried out without assistance from other vessels.

Main Particulars:

Length o.a.	130.00 m
Length p.p.	125.00 m
Breadth	38.00 m
Depth	8.00 m
Draught max.	5.50 m
Draught min. working condition	3.40 m

Speed:

Service speed	10.50 kn

Propulsion:

Diesel electric azimuth	
Main engines	4 x diesel generators
Installed power	7680 kW
Propulsion	4 x azimuth thrusters (6000 kW) 3 x bow thrusters (2100 kW)
Endurance of the vessel	approx. 65 days

Capacity:

Installation capacity	10 x 2Mw Wind turbines
Max. crane capacity	300 t

Miscellaneous:

Number of vessels built	1
IMO number	9260134

Scope of Work:

Conceptual Design developed for the Owner
Basic Design developed for the Owner, including:
General design
Structural design
Machinery design
Outfitting design
Accommodation design

Ref. No.:

KEH 01023