

METHOD OF CONSTRUCTING AN OFFSHORE STRUCTURE, AND OFFSHORE STRUCTURE

ABSTRACT

A method for constructing an offshore structure, includes: a manufacturing step of manufacturing an offshore structure 10 separated in an upper structure 11 and a lower structure 12; an in-water keeping step of keeping part or whole of the lower structure 12 in an upright standing state in water; a moving step of moving the upper structure 11 to above the lower structure 12 kept in the upright standing state; an uniting step including one or both of an raising step of raising the lower structure 12 to arrange the lower structure 12 on a lower side of the upper structure 11 and a lowering step of lowering the upper structure 11 to arrange the upper structure 11 on an upper side of the lower structure 12 by submerging part of a carrier vessel 20 on which the upper structure 11 is mounted while being held by a pair of arm-shaped structures 23 of the carrier vessel 20; and a joining step of integrating the lower structure 12 with the upper structure 11. In this way, an offshore structure is moored safely at an offshore installation site without using a crane vessel in a method of constructing an offshore structure such a spar type with a wind turbine or the like mounted thereon.

(Fig.12)