

Abstract

The invention relates to a foundation structure (1) for an offshore plant, in particular an offshore wind energy plant, having at least one foundation element which can be anchored to the sea floor, precluding a gravity foundation and precluding a floating foundation, and a support structure (2) which can be attached thereto to fix the offshore plant.

In order to achieve a high level of environmental compatibility for the foundation structure (1) during installation and to achieve simple and inexpensive installation, it is proposed that the foundation element is a pile (5) which can be introduced into the sea floor by being bored and/or vibrated in, which can be fixed in the sea floor with an organic and/or inorganic material and which is oriented at an angle to a vertical on the sea floor.

The invention also relates to a method for assembling this foundation structure (1) on a sea floor (4), wherein the coupling element (3) is first anchored by means of piles (5) inserted in the sea floor (4), and the support structure (2) is then attached to the coupling element (3).

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(cf Figure 1)