[0028]

In each of the hull-side utility facility 32b and the plant-side utility facility 32a, a utility facility having a common function is disposed. Specifically, for example, at least one utility facility selected from a facility group consisting of a fresh water manufacturing apparatus that manufactures fresh water from seawater, a nitrogen manufacturing apparatus that manufactures nitrogen from air, an air compressor that supplies instrument air, a fuel oil supply apparatus that supplies fuel oil to a power generator or a boiler, a hydraulic supply apparatus that supplies operation oil to a hydraulic drive device, a fire extinguishing water supply facility that supplies fire extinguishing water, a fire extinguishing medium supply facility that supplies a fire extinguishing medium such as fire extinguishing liquid, and an inert gas generator that obtains an inert gas from fuel combustion exhaust gas is disposed in each of the hull-side utility facility 32b and the plant-side utility facility 32a.

[0029]

The plant-side utility facility 32a is disposed on a deck of the hull 10, and the hull-side utility facility 32b is disposed in the hull 10.

By adopting the above-described configuration, it is not necessary to design the facilities 31 and 32a related

loading pipe, an offloading pipe, a vapor pipe, and the like) connected to the LNG tanks 11 are pulled out above a deck are installed, which is a final step. Unless the installation of the tank domes 110 is completed, work of disposing a structure above the tank domes 110 cannot be started.

[0034]

The tank domes 110 are often disposed at the central positions when the LNG tanks 11 are viewed in the ship width direction of the hull 10, for example, from a viewpoint of evenly discharging LNG from the insides of the LNG tanks 11.

At this time, when the LNG tanks 11 are arranged in two rows as in the FLNG 1a in prior art illustrated in Fig. 1(c), there is a high possibility that the tank domes 110 may be located below the modules 21. For this reason, there is a restriction that it is necessary to wait for the tank domes 110 to be installed, and installation of the modules 21 on the hull 10 cannot be started in some cases.

[0035]

Meanwhile, in the FLNG 1 of the present embodiment, as illustrated in Fig. 2(c), the plurality of modules 21 is separately disposed in areas on both right and left sides with respect to the positions where the tank domes 110 are

arranged in one row in the hull 10. As a result, there is an advantage that the installation of the modules 21 on the hull 10 can be started without waiting for completion of the installation of the tank domes 110. Note that as the arrangement of the LNG tanks 11, a two-row arrangement and a one-row arrangement may be combined.

[0036]

The construction of the LNG plant 2 sandwiching the tank domes 110 of the LNG tanks 11 arranged in one row is applied not only to a method for installing the modules 21 constructed in a fabrication yard or the like. The construction of the LNG plant 2 sandwiching the tank domes 110 of the LNG tanks 11 arranged in one row may be applied to a so-called stick-built construction method for assembling devices constituting the LNG plant 2 on a deck of the hull 10. In this case as well, an area where the construction of the LNG plant 2 can be started without waiting for completion of the installation of the tank domes 110 is widened.

[0037]

The FLNG 1 according to the present embodiment has the following effects. The plant utility facility 31, the plant-side utility facility 32a, and the hull-side utility facility 32b are installed inside or outside the hull 10 according to a utility supply destination, and therefore a

CLAIMS

1. A floating facility comprising:

a floating body disposed on the sea;

a liquefied natural gas plant disposed on the floating body;

a plant utility facility that supplies cooling water as utilities to the liquefied natural gas plant; and

a first utility facility that supplies utilities to the floating body and a second utility facility that supplies utilities to the liquefied natural gas plant, the first utility facility and the second utility facility being utility facilities having a mutually common function, wherein

the plant utility facility and the second utility facility are disposed on the floating body, and the first utility facility is disposed in the floating body.

2. The floating facility according to claim 1, wherein the plant utility facility includes at least one facility selected from a cooling water supply facility group consisting of a seawater pump, a heat exchanger, and a cooling water pump, and the utility facilities having the common function each include at least one facility selected from a facility group consisting of a fresh water manufacturing apparatus, a nitrogen manufacturing apparatus, an air compressor, a fuel oil supply apparatus,