CLAIMS

1. A support (1) installed at sea in grounded or floating manner, the support including both a processor installation (1b) on its deck (1a) for processing a first liquid (2a) that is dangerous and/or corrosive, preferably liquefied natural gas (LNG), and also at least one tank (2) for storing said first liquid (2a), preferably an LNG tank incorporated within the hull (1g) of said support under said deck (1a) the support being characterized in that: it includes at least one container (3) situated outside said support and situated at least in part, and preferably completely, below the deck (1a) of said support on which said installation is supported, said container being fastened to said support, preferably in reversible manner (5), said deck including or supporting first transfer means (4) suitable for transferring towards said container any leakage liquid (2a') flowing from at least a portion of said installation, in particular in the event of a leak.

2. A support according to claim 1, characterized in that said first transfer means for transferring leakage liquid comprise at least one collector device (4-1) for collecting said leakage liquid and extending from under a said portion at least of the installation (1b) to over a first upper orifice (3-1) of said container, said collector device being suitable for collecting said leakage liquid (2a') flowing from said portion of the installation and for directing it merely under gravity towards said first upper orifice of said container situated below said collector device.

3. A support according to claim 1 or claim 2, characterized in that said container is fastened in reversible manner against a side (1c, 1d) of said support.

4. A support according to any one of claims 1 to 3, characterized in that said first transfer means (4) for transferring leakage liquid comprise a liquid collector device comprising at least one decking element (4-1) fitted over said deck, said decking element comprising a sloping central plane structure (4a) preferably bordered laterally by lateral rims (4b), the angle of inclination ($\alpha 2$) of said central plane portion (4a) of said decking element being greater than the angle of inclination ($\alpha 1$) of said deck where applicable, preferably by an angle of inclination ($\alpha 2$) lying in the range 1% to 5%, preferably in the range 2% to 4%.

5. A support according to claim 2, and according to any one of claims 2 to 4, characterized in that the walls or the surfaces of said collector device that might come into contact with said leakage liquid that it collects are constituted by or respectively covered in a layer of material that withstands cryogenic temperatures (4a-1), in particular a composite material.

6. A support according to claim 4 or claim 5, characterized in that it comprises:

· a plurality of elements of said decking (4-1), said decking elements together covering at least the entire surface of the portion of the deck that supports a said processor installation (1b); and

· a plurality of containers (3), each said decking element (4-1) co-operating with a said container.

7. A support according to any one of claims 1 to 6, characterized in that it includes attachment means (5, 51-52) suitable for fastening a plurality of said containers along its sides (1c), and said containers have a volume of no more than 300 m^3, and preferably lying in the range 50 m^3 to 300 m^3.

8. A support according to any one of claims 1 to 7, characterized in that said container has an elongate cylindrical shape with a vertical longitudinal axis (YY') with only a portion of said container (3) being immersed (13).

9. A support according to any one of claims 1 to 8, characterized in that said container has a bottom (3b) constituted by the top surface (6a) of a float (6) inside the container and of a shape that fits against the internal outline of the cylindrical side wall (3a) of said container, the bottom surface of said cylindrical side wall (3a) defining a bottom opening (3-4) in such a manner that said cylindrical side wall (3a) is filled with seawater (13) beneath said float and is suitable for moving vertically relative to said float.

10. A support according to any one of claims 1 to 8, characterized in that said container includes a leaktight stationary bottom wall (3b) at the bottom end of its cylindrical side wall (3a).

11. A support according to any one of claims 1 to 10, characterized in that the walls of said container are thermally insulated (3-5), and preferably insulated internally.

12. A support according to any one of claims 1 to 11, characterized in that said container comprises or co-operates with second transfer means (8) comprising a pump (8-1) and a second connection pipe (8-2) suitable for transferring said leakage liquid contained in said container to a tank, preferably a said tank (2) within the hull of said support.

13. A support according to any one of claims 1 to 12, characterized in that said container further comprises

heater means (9) for heating said liquid contained in said container, said heater means preferably being joule effect heater means, said heater means more preferably being incorporated in or against said cylindrical side wall (3a) of the container or of its thermal insulation layer (3-5).

14. A support according to any one of claims 1 to 13, characterized in that said container further comprises a second upper orifice (3-2) for discharging gas, in the top portion of a side wall (3a) or in a cover-forming top wall (3c) of the container, and suitable for enabling the liquid contained in the container, once it has evaporated, to be discharged out from the container, preferably with the help of a third connection pipe (3-6), towards a burn-off flare (14), or towards the gas ceiling (2-1) of a said tank within the hull, or to the open air.

15. A support according to any one of claims 1 to 14, characterized in that said container includes or is suitable for co-operating with a device for injecting a foaming agent, preferably via a third upper orifice (3-3) in the top portion of a side wall (3a) or in a cover-forming top wall (3c) of the container.

16. A support according to any one of claims 1 to 7, characterized in that it is a floating support (10a) anchored at sea or resting on the sea bottom (12) and supporting a unit (1-2, 1-3) for liquefying LNG and/or for regasifying LNG and producing electricity, said liquid (2a) being LNG.

CLAIMS

1. A support installed at sea in grounded or floating manner, the support including both a processor installation on its deck for processing a first liquid that is dangerous and/or corrosive,, and also at least one tank for storing said first liquid, incorporated within the hull of said support under said deck the support being wherein it includes at least one container situated outside said support and situated at least in part, below the deck of said support on which said installation is supported, said container being fastened to said support, said deck including or supporting first transfer means suitable for transferring towards said container any leakage liquid flowing from at least a portion of said installation.

2. A support according to claim 1, wherein said first transfer means for transferring leakage liquid comprise at least one collector device for collecting said leakage liquid and extending from under a said portion at least of the installation to over a first upper orifice of said container, said collector device being suitable for collecting said leakage liquid flowing from said portion of the installation and for directing it merely under gravity towards said first upper orifice of said container situated below said collector device.

3. A support according to claim 1 or claim 2, wherein said container is fastened in reversible manner against a side of said support.

4. A support according to any one of claims 1 to 3, wherein said first transfer means for transferring leakage liquid comprise a liquid collector device comprising at least one decking element fitted over said deck, said decking element comprising a sloping central plane structure, the angle of inclination ($\alpha 2$) of said

central plane portion of said decking element being greater than the angle of inclination of said deck.

5. A support according to claim 2, and according to any one of claims 2 to 4, wherein the walls or the surfaces of said collector device that might come into contact with said leakage liquid that it collects are constituted by or respectively covered in a layer of material that withstands cryogenic temperatures.

6. A support according to claim 4 or claim 5, wherein it comprises:

· a plurality of elements of said decking, said decking elements together covering at least the entire surface of the portion of the deck that supports a said processor installation; and

· a plurality of containers, each said decking element co-operating with a said container.

7. A support according to any one of claims 1 to 6, wherein it includes attachment means suitable for fastening a plurality of said containers along its sides, and said containers have a volume of no more than 300 m^3.

8. A support according to any one of claims 1 to 7, wherein said container has an elongate cylindrical shape with a vertical longitudinal axis (YY') with only a portion of said container being immersed.

9. A support according to any one of claims 1 to 8, wherein said container has a bottom constituted by the top surface of a float inside the container and of a shape that fits against the internal outline of the cylindrical side wall of said container, the bottom surface of said cylindrical side wall defining a bottom opening in such a manner that said cylindrical side wall

is filled with seawater beneath said float and is suitable for moving vertically relative to said float.

10. A support according to any one of claims 1 to 8, wherein said container includes a leaktight stationary bottom wall at the bottom end of its cylindrical side wall.

11. A support according to any one of claims 1 to 10, wherein the walls of said container are thermally insulated.

12. A support according to any one of claims 1 to 11, wherein said container comprises or co-operates with second transfer means comprising a pump and a second connection pipe suitable for transferring said leakage liquid contained in said container to a tank.

13. A support according to any one of claims 1 to 12, wherein said container further comprises heater means for heating said liquid contained in said container, said heater means preferably being joule effect heater means, said heater means being incorporated in or against said cylindrical side wall of the container or of its thermal insulation layer.

14. A support according to any one of claims 1 to 13, wherein said container further comprises a second upper orifice for discharging gas, in the top portion of a side wall or in a cover-forming top wall of the container, and suitable for enabling the liquid contained in the container, once it has evaporated, to be discharged out from the container, preferably with the help of a third connection pipe, towards a burn-off flare, or towards the gas ceiling of a said tank within the hull, or to the open air.

15. A support according to any one of claims 1 to 14, wherein said container includes or is suitable for co-operating with a device for injecting a foaming agent.

16. A support according to any one of claims 1 to 7, wherein it is a floating support anchored at sea or resting on the sea bottom and supporting a unit for liquefying LNG and/or for regasifying LNG and producing electricity, said liquid being LNG.