CLAIMS:

1. A subsea oil and gas production installation~~, the installation~~ comprising, when installed:
a subsea production system comprising a first production pipeline (A) and a second production pipeline (B);
a first subsea manifold (118) in fluid communication with the first production pipeline comprising a fluid access interface (134, 136) and a flowline connector (144);
a removable module (138, 140) fluidly connected to the fluid access interface of the first subsea manifold and configured to receive production fluid from one or more subsea wells; and
a second subsea manifold (126) in fluid communication with the second production pipeline;
wherein the first subsea manifold defines a first flow path between the fluid access interface and the first production pipeline and a second bypass flow path between the fluid access interface and the flowline connector;
wherein the first and the second subsea manifolds are fluidly coupled to one another by a connecting flowline connected at a first end to the flowline connector of the first subsea manifold; and
wherein the removable module comprises a flow control means operable to selectively route the production fluid from one or more subsea wells into the first production pipeline via the first flow path defined by the first subsea manifold, and/or into the second production pipeline via the second bypass flow path, the connecting flowline and the second subsea manifold.

2. The installation according to claim 1, wherein the connecting flowline is a jumper flowline (132b).

3. The installation according to claim 1 or claim 2, wherein the connecting flowline is connected at a second end to a flowline connector of the second subsea manifold.

4. The installation according to claim 1 or claim 2, wherein the connecting flowline is connected at a second end to a second removable module fluidly connected to a fluid access interface of the second subsea manifold.

5. The installation according to any preceding claim, further comprising a flow access hub, the flow access hub comprising a first interface connected to the fluid access interface (134, 136) of the first subsea manifold (118), and a second interface connected to an interface of a functional module wherein at least the functional module is removable from the first manifold.

6. The installation according to claim 5, wherein the interface of the functional module is a multibore interface in a single connector.

7. The installation according to claim 6, wherein the first interface of the flow access hub ~~may~~ has a lesser number of bores than the second interface of the flow access hub.

8. The installation according to any of claims 5 to 7, wherein the flow access hub defines a first flow path between a flowline inlet bore and the second interface to fluidly connect a flowline configured to carry fluid from a subsea well to the functional module, and defines a second flow path between the second interface and the first interface to fluidly connect the functional module to the first subsea manifold (118).

9. The installation according to any preceding claim, wherein the second subsea manifold (126) comprises a flowline connector (159), and a second end of the connecting flowline is connected to the flowline connector.

10. The installation according to any of claims 1 to 8, wherein the second subsea manifold (126) comprises a fluid access interface (148), and the installation comprises a removable module (146) fluidly connected to the fluid access interface of the second subsea manifold.

11. The installation according to claim 10, further comprising a flow access hub comprising a first interface connected to the fluid access interface of the second subsea manifold, and a second interface connected to an interface of a functional module wherein at least the functional module is removable from the second manifold.

12. The installation according to any preceding claim, wherein the first production pipeline (A) and the second production pipeline (B) operate at different working pressures, and wherein the installation is configured to route production fluid into the first production pipeline and/or the second production pipeline depending upon the pressure of the production fluid.

13. A subsea manifold for a subsea oil and gas production installation, the manifold comprising:
at least one fluid access ~~point~~ interface ~~for a subsea well~~ configured to be connected to one or more removable modules ~~and to be~~ fluidly connected to a subsea well and configured to receive production fluid ~~therefrom~~from the subsea well via the one or more removable modules;
a main flow bore configured to be in fluid communication with a subsea production pipeline; and
a flowline connector for a jumper flowline, configured to be fluidly connected to a jumper flowline;
wherein the manifold defines a first flow path between the at least one fluid access ~~point~~ interface and the main flow bore and a second bypass flow path between the at least one fluid access ~~point~~ interface and the flowline connector for the~~a~~ jumper flowline, bypassing the main flow bore;
and wherein the one or more removable modules is configured to selectively route the production fluid into the first flow path and/or the second flow path of the subsea manifold.

14. A method of controlling production flow from one or more subsea wells~~, the method comprising:~~
~~providing~~using a subsea production system comprising:
at least one subsea well, a first production pipeline (A) in fluid communication with a first subsea manifold (118) and a second production pipeline (B) in fluid communication with a second subsea manifold (126);
wherein at least one subsea well is connected to the first subsea manifold via a removable module (138, 140) fluidly connected to a fluid access interface (134, 136) of the first subsea manifold;
wherein the first subsea manifold and the second subsea manifold are fluidly coupled to one another by a connecting flowline; and

wherein the ~~first subsea manifold~~removable module is provided with a flow control means operable to route the production fluid from the at least one subsea well into the first production pipeline via the first subsea manifold and/or into the second production pipeline via the second first manifold, the connecting flowline and the second subsea manifold.

15. The method according to claim 14, wherein the first production pipeline (A) has a first working pressure and the second production pipeline (B) has a second working pressure, and the method comprises directing production flow from the at least one subsea well into the first and/or the second production pipeline depending on the pressure of the fluid produced from the well.

16. The method according to claim 14 or claim 15, comprising operating valves to select whether the production flow is directed into the first or the second production pipeline.

17. The method according to any of claims 14 to 16, comprising directing fluid into the first production pipeline via the first subsea manifold.

18. The method according to any of claims 14 to 17, comprising directing fluid into the second production pipeline via the first subsea manifold, the connecting flowline, a removable module to which the connecting flowline is coupled connected to the second subsea manifold and the second subsea manifold.

19. A method of installing a distributed manifold system, the method comprising:
installing a first production pipeline (A) and a first subsea manifold (118) in fluid communication with the first ~~subsea~~ production pipeline and installing a second ~~subsea~~ production pipeline (B) and a second subsea manifold (126) in fluid communication with the second ~~subsea~~ production pipeline, wherein the first subsea manifold comprises a fluid access interface (134, 136) and a flowline connector (144);
installing a connecting flowline between the first subsea manifold and the second subsea manifold, wherein the connecting flowline is connected at a first end to the flowline connector of the first subsea manifold;

fluidly connecting a removable module (138, 140) to the fluid access interface of the first subsea manifold, wherein the removable module is fluidly connected to at least one subsea well, such that production fluid from the at least one subsea well can be selectively routed into the first production pipeline via the removable module and the first subsea manifold or the second production pipeline via the removable module, the first subsea manifold, the connecting flowline and the second subsea manifold.

20. The method according to claim 19, comprising:

installing a flow access hub onto the fluid access ~~point~~ interface (134, 136) of the first subsea manifold (118); and installing the removable module (138, 140) to the flow access hub located on the fluid access interface of the first subsea manifold.