Claims

1. A system comprising:

a control and supply unit (1) for an actuating device (2) of a choke (3), a valve, a blow-out preventer or another device applied in the field of oil and natural gas production, said unit (1) comprising:

an auxiliary power supply (4); and

an electrical connection to exchange data and to supply voltage, wherein the electrical connection comprises a communication interface (6) to couple to a field bus (10) and a voltage supply connection (7) to couple to a voltage supply line (11);

wherein

-the control and supply unit is implemented separately of the actuating device; and-

the communication interface (6) and the voltage supply connection (7) are formed on a supply and communication assembly (14) comprising connections to supply electric power to a motor control unit (13), the auxiliary power supply (4) and/or one sensor unit of the actuating device (2).

2. The system of claim 1, wherein the unit (1) further comprises a unit housing (9), which is releasably secured to the actuating device (2).

3. The system according to one of the preceding claims, wherein the field bus (10) is a CAN bus.

4. The system according to one of the preceding claims, wherein the field bus (10) and the voltage supply line (11) couplings are implemented as separate connections.

5. The system according to one of the preceding claims, further comprising a second control and supply unit coupled to the actuating device (2).

6. The system according to one of claims 2-5 wherein at least the communication interface (6), the auxiliary power supply (4) and ~~a~~ the motor control unit (13) are arranged in the unit housing (9).

~~7. The system according to one of the preceding claims, wherein the communication interface (6) and the voltage supply connection (7) are formed on a supply and communication assembly (14).~~

~~8. The system according to claim 7 wherein the supply and communication assembly (14) comprises at least connections for supplying electric power to the motor control unit (13), the auxiliary power supply (4) and/or at least one sensor unit of the actuating device (2).~~

~~9~~7. The system according to ~~one of~~ claims ~~7~~ 81 wherein the supply and communication assembly (14) comprises bus connections (17, 18) for communication with and/or control of the auxiliary power supply (4), the motor control unit (13) and/or the sensor unit of the actuating device (2).

~~8~~10. The system according to ~~one of~~ claims ~~7~~ 97 wherein the supply and communication assembly (14) comprises an earthing terminal (19) connected at least to the auxiliary power supply (4) and/or the motor control unit (13).

~~11~~9. The system according to one of claims 2~~-10~~-8 wherein an inert gas atmosphere is provided in the unit housing (9).

~~12~~10. The system according to one of claims 2-~~11~~-9 wherein the unit housing (9) comprises a plug connection device (20), which is accessible from outside, for the communication interface (6) and the voltage supply connection (7).

~~13~~11. The system of claim 1 wherein the unit (1) is connected to a submarine control module (21) for communication and/or voltage supply.

~~14~~12. The system of claim 1 wherein the auxiliary power supply is rechargeable.