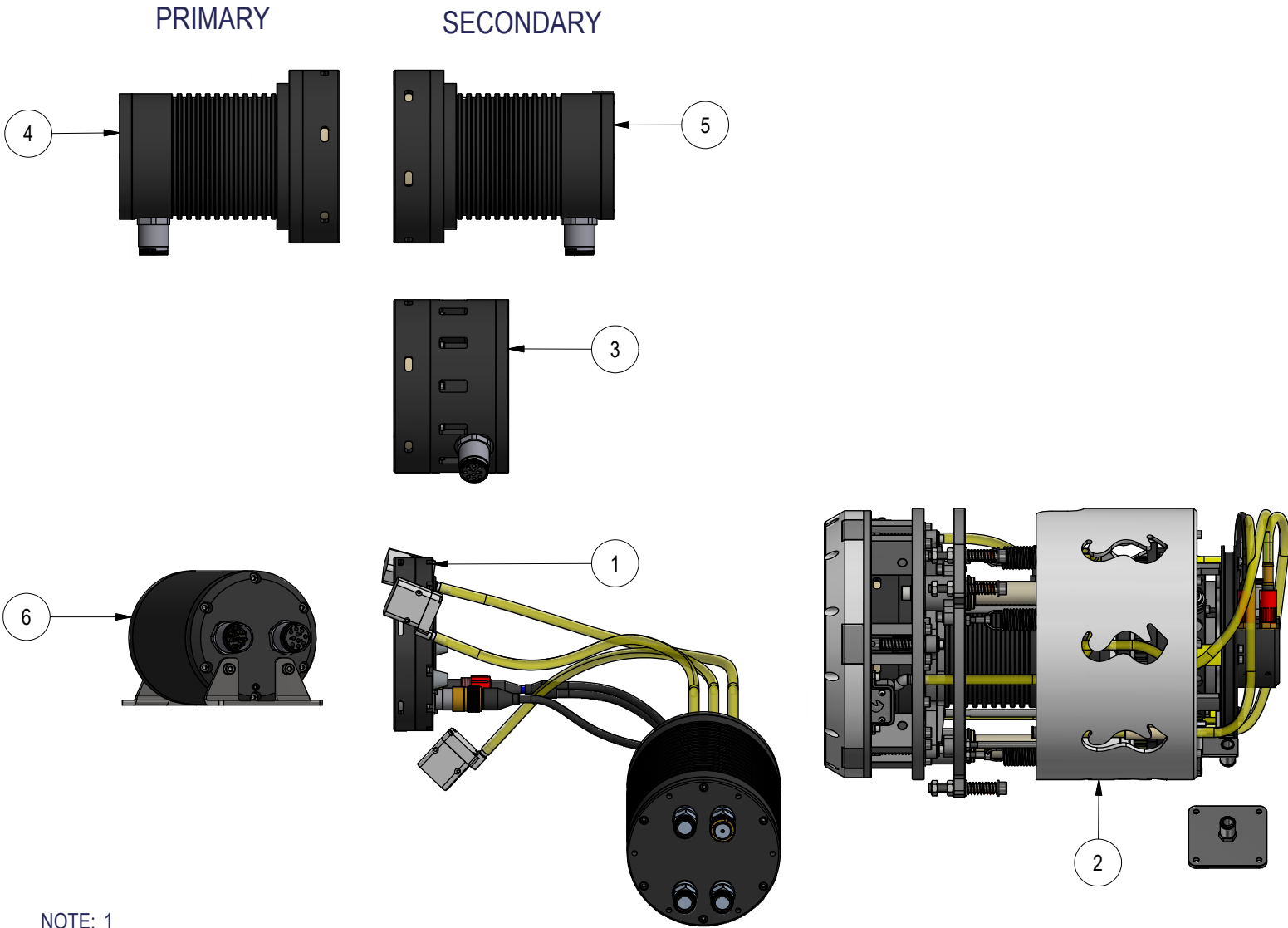


Parts List				
ITEM	QTY	PART No.	TITLE	e-Sea WebLink
1	1	BB9512	SOW SAAB Charging	on request
2	1	BB6743	Click on Adapter wType D Connector	on request
3	1	BB5416	Type D 2kW Secondary Flat Inductive Electronics 90 Deg	https://e-sea.bluelogic.no/main.aspx?page=article&artno=BB5416
4	1	BB1719	Type D 2kW Primary Flat Inductive	https://e-sea.bluelogic.no/main.aspx?page=article&artno=BB1719
5	1	BB1714	Type D 2kW Secondary Flat Inductive	https://e-sea.bluelogic.no/main.aspx?page=article&artno=BB1714
6	1	BA7719	BL Power Supply 2kW	https://e-sea.bluelogic.no/main.aspx?page=article&artno=BA7719

INTERVENTION PROGRAM



NOTE: 1
ADDITIONAL INFORMATION:
The Subsea USB 2kW system is based on the Unplugged inductive technology for transfer of electrical power and communication subsea. The 2kW connector system is part of the complete "Subsea-USB" system covering power range from 50W to 3000W with communication speeds up to 1 Gbit/s.

In general, each Inductive system consists of a Primary (TX) and a Secondary (RX) side installed in a ROV friendly housing. The power is transferred from the Primary side to the Secondary side whilst communication is operated in full duplex.
The Subsea-USB Connectors can be configured in the following alternatives:

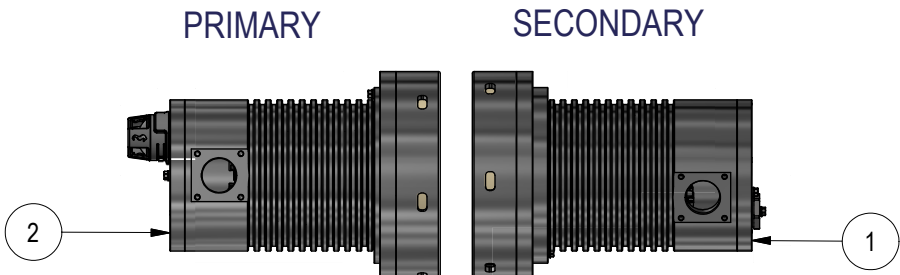
1. Manually operated by hand
2. ROV operated.
3. Bulkhead piggy backed on other equipment.
4. Combined with hydraulic connector thus allowing for electrical power, communication, and hydraulic connections to be made up using the same connector assembly.

Flexible input - AC/DC power supply (PFC) that can handle 100-250VAC or 145-350VDC input voltage and 370VDC output to power the primary side connector. Primary side can handle 310-340VDC variation in voltage input and secondary side delivers 325VD +/- 5%. A telemetry/diagnostic interface is available on port 5000 on the ethernet interface. Approx. efficiency of the inductive connectors, end to end is >90%. The inductive coils are galvanically isolated from each other and can be regarded as a 1 to 1 transformer. The 2kW system has a 10-pin Subconn connector where RS232 or RS485 (230kbps) can be configured together with Ethernet (80Mbps) and Power. Feasible to have RS232 configured on the Secondary side (tool side) and RS485 configured on the primary side (ROV side). Most systems rated to 3000m water depth.

The system can be delivered in the following material types: Aluminium or Super duplex. It is recommended to always include the connector in the CP protection system and make sure it is in galvanic contact. Aluminium is designed for short-term (intervention) use. Super Duplex version has a design life of 3-5 years.

Parts List			
ITEM	PART No.	TITLE	e-Sea WebLink
1	BB4451	Type D 2kW Secondary Flat Inductive Long Term	on request
2	BB4409	Type D 2kW Primary Flat Inductive Long Term	on request

LONG-TERM PROGRAM



FOR INFORMATION ONLY								Dwg Scale: NTS		Drawing title: USB-D 2kW Program Gen1		
								Dwg Proj: 				
								Dwg Format: A3				
01	15.2.2024	3-IFI (Issued for Information)			WTJ	LGH	HSE					
Rev.	Date	Reason for issue		Revision change	Made	Chk'd	Appr.			Drawing number: BB5401		Rev. 01