API MARINE
POWERED BY MT POWER

Equipment Package

HYBRID SOLUTION

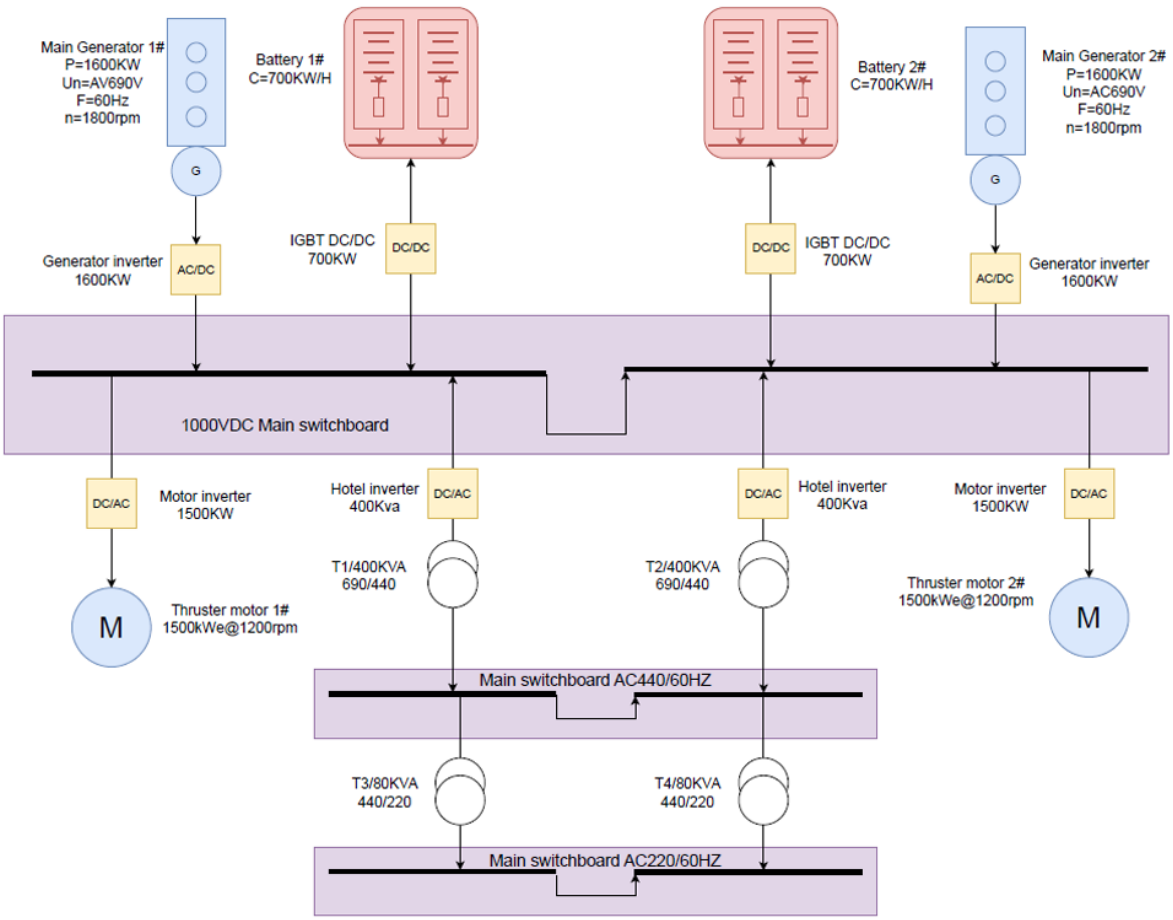
To:		From:	API Marine
Quantity:		Signature:	
REV:	A	Date:	
Project	4000 HP Hybrid Tugboat	Validity:	

This example proposal describes the equipment package included in API Marine ApS scope of supply to be installed on vessel of 4000 HP Hybrid Tugboat.

Scope of supply:

No.	Item	Specification	Qty
1	**Main Genset**	Cummins China K50-DM 1499ekw/ 60HZ / 690V / IMO2	2 sets
2	**Electrical System DC-LINK 1000V**	Battery DC/DC, 700KW	1 set
		Generator inverter AC/DC, ABB, 1600kW	2 sets
		PM Motor inverter DC/AC, Danfoss or VEM, 1500kW	2 sets
		Hotel inverter ABB, 400kvA	2 sets
	Main switchboard	AC440V/AC220	1 set
3	**Battery**	CALB, 700kwh	2 sets
4	**Control System**	PMS + AMS	1 set
5	**Azimuth Thruster**	Thrustleader, TLAT2000WM, PCS	2 sets

Please contact info@api-marine.dk for further information



4000HP Hybrid Tugboat