CLAIMS:

1. A ship comprising:

a high-pressure injection engine which usesing only oil as fuel when operating at less than a predetermined power and uses oil and fuel gas as fuel when operating at more than the predetermined power to obtain a propulsion power of the ship;

a generator engine using fuel gas as fuel to generate electricity;

a motor generating a power by using the electricity generated from the generator engine;

a propulsion propelling the ship;

a main clutch power-connecting the high-pressure injection engine to the propulsion; and

an auxiliary clutch power-connecting a motor to the propulsion through a gear box,

wherein the high-pressure injection engine and the motor are selectively power-connected to the propulsion to obtain the propulsion power of the ship, and

wherein when the ship is operated at less than the predetermined power, the high-pressure injection engine is stopped and electricity generated by the generator engine is transmitted to the propulsion throughout the motor, the gear box, and the auxiliary clutch to obtain the propulsion power of the ship.

2. The ship according to claim 1, wherein when the ship is operated at less than a predetermined power,

the high-pressure injection engine is stopped,

the power connection between the main clutch and the propulsion is cut off,; and

the auxiliary clutch is power-connected to the propulsion through the gear box, and

the electricity generated by the generator engine is transmitted to the propulsion through the motor, the gear box, and the auxiliary clutch to obtain the propulsion power of the ship.

3. The ship according to claim 1, further comprising a liquefied fuel gas storage tank storing liquefied fuel gas,

wherein boil-off gas (BOG), which is produced when the liquefied fuel gas stored in the liquefied fuel gas storage tank is evaporated, is used as fuel gas by the high-pressure injection engine or the generator engine.

4. The ship according to claim 2, wherein the predetermined power is equal to or less than 40% of the maximum power of the high-pressure injection engine.

5. The ship according to ~~any one of~~ claims ~~1 to 4~~, wherein the pressure of fuel gas supplied to the high-pressure injection engine ranges from 150 to 600 bar.

6. The ship according to ~~any one of~~ claims ~~1 to 4~~, wherein the generator engine comprises a dual fuel(DF) engine , a gas engine, or a gas turbine.

7. The ship according to claim 1, wherein the motor ~~comprises~~ is a motor/generator which can be operated in generator mode, and in this mode, a part of the power ~~transmitted through~~generated by the high-pressure injection engine is transmitted to the motor/generator through the gear box and the auxiliary clutch in order to generate electricity.

8. The ship according to claim 7, wherein the electricity generated by the motor/generator is supplied to a variety of electricity consumers of the ship through a distributing board.