DMS 2D Software General Information

1. Page Legend

1.1. Pipe Line Color Codes

The Process diagrams presented on the monitors have the following color codes for pipelines.

NO	Pipe Media	Color code	Legend	Remark
1	High Temp. Fresh water	Blue		
2	Low Temp. Fresh water	Blue		
3	Sea water	Green		
4	Lubrication oil (LP)	Yellow		
5	Lubrication oil (HP)	Oringe yellow		
6	Fuel oil	Brown		
7	Crude oil	Maroon		
8	Diesel oil	Light brown		
9	Compressed air	Grey		
10	Steam	Light blue		

1.2. Label Abbreviation
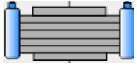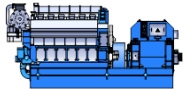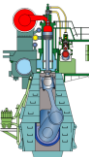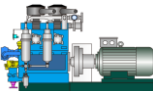
The Process Diagrams are abbreviated T, G, P, etc.; meaning:
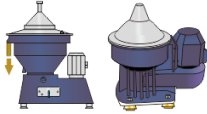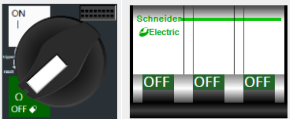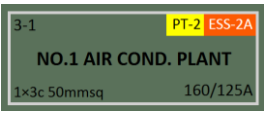
- T: Temperature

- G: Flow

- P: Pressure

- L: Level

- V: Viscosity

- M:

- Z: Water or other undesirable contamination

- N: Rpm

- Q: Power

- I: Ampere

- U: Voltage

- F: Frequency

- E: Electrical power

- V: Valve

- X: Miscellaneous variable

1.3. Symbols

The following table demonstrate the symbols show on the page.

NO	Legend	Description	Remark
1		Plate Heat Exchanger	
2		Tube Heat Exchanger	
3		Generator diesel engine	
4		Two stroke diesel engine	
5		Compressor	
6		To overboard	
7		Drain	
8		Orifice	
9		Motor	
10		Centrifugal pump	
11		Gear pump	

12		Screw pump	
13		Separator	
14		Light	
15		Button with light	
16		Switch	
17		Meter	
18		Nameplate	
19		Fan	
20		Sprayer	
21		Buzzer	
22		Smoke sensor	
23		Steering Motor	
24		Two Way General Valve	
25		Two Way Butterfly Valve	
26		Two Way Gate Valve	
27		Two Way Swing Valve	

28		Two Way Cock Valve	
29		Single Valve	
30		Diaphragm Valve	
31		Electromagentism Valve	
32		Pneumatic valve	
33		Spring Valve	
34		Hand Valve	
35		Quick Close Valve	
36		Three Way Valve	

1.4. Ways of Operation

Some special operations about valves, buttons, etc.:

- Open a valve: click the left mouse button on the valve
- Close a valve: click the right mouse button on the valve
- Push down a start button: long press the left mouse button on the start button, for at least 1 second
- Push down a stop button: long press the left mouse button on the start button, for at least 1 second
- Push down an emergency stop button: click the left mouse button on the stop button
- Reset an emergency stop button: click the right mouse button on the stop button
- Open the protection cover of a push button: click the left mouse button on the protection cover
- Close the protection cover of a push button: click the left mouse button on the opened protection cover