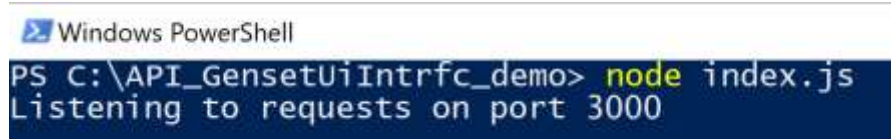1. General

The project is executed by the NODE platform as JS application. Run of the drill is to be carried out from project downloaded folder with the following command: **node index.js** , and to access the computer local server indicated port:

```
Windows PowerShell
PS C:\API_GensetUiIntrfc_demo> node index.js
Listening to requests on port 3000
```

2. Background

Remote controlled systems operated by command consoles includes applications of power supply status display of the generators. The display is extremely essential since the state of the power supply is a basic condition for the proper operation of the remote system.

3. Details of the information to be displayed

As a general rule, the information is laid out on applications where the fields will be displayed at the top of the form and additional 3 tabs for numerical displays.

Mains Supply		
General Fields Information		
Mains	**Genset**	**Engine**
Measured Parameters	*Measured Parameters*	*Measured Parameters*

4. The display specification for layout in the form.

Mains Supply

Field Name	Object: Led Ind. [color]	Notes
Mains	Green	Mains Contactor control in RUN mode
Genset	Yellow	Genset Contactor control in RUN mode
Auto Ready	Green	The genset ready to run when necessary
Test	Yellow	The genset runs in TEST state
Alarm	Red	Turns on when a shutdown alarm exists
Warning	Red	Turns on when a warning condition exists
Service	Red	Turns on when at least one of service counters has expired

Mains – Tab Script

Field Name	Object: Label	Notes
L1 Volt	Num. [V]	voltage phase L1 to neutral
L2 Volt	Num. [V]	voltage phase L2 to neutral
L3 Volt	Num. [V]	voltage phase L3 to neutral
L1 Amps	Num. [A]	current phase L1
L2 Amps	Num. [A]	current phase L2
L3 Amps	Num. [A]	current phase L3
Frequency	Num. [Hz]	
Total kW	Num. [kw]	

Genset – Tab Script

Field Name	Object: Label	Notes
L1 Volt	Num. [V]	voltage phase L1 to neutral
L2 Volt	Num. [V]	voltage phase L2 to neutral
L3 Volt	Num. [V]	voltage phase L3 to neutral
L1 Amps	Num. [A]	current phase L1
L2 Amps	Num. [A]	current phase L2
L3 Amps	Num. [A]	current phase L3
Frequency	Num. [Hz]	
Total kW	Num. [kw]	

Engine – Tab Script

Field Name	Object: Label	Notes
Speed	Num. [Rpm]	Engine RPM
Run Hours	Num. [h]	Engine Run Hours Counter
Fuel Level	Num. [%]	Fuel tank filling level
Battery	Num. [Vdc]	Battery voltage
Oil Press	Num. [Bar]	Oil pressure
Oil Temp	Num. [C]	Temperature (°C)
Engine Temp	Num. [C]	Temperature (°C)
Canopy Temp	Num. [C]	Temperature (°C)