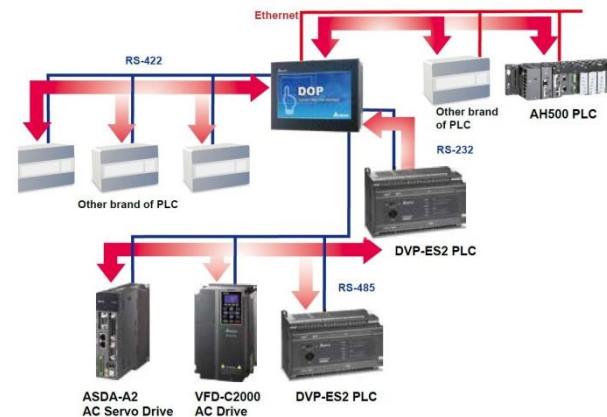


## UPGRADE LEVELS IN CLAYTON STEAM GENERATORS

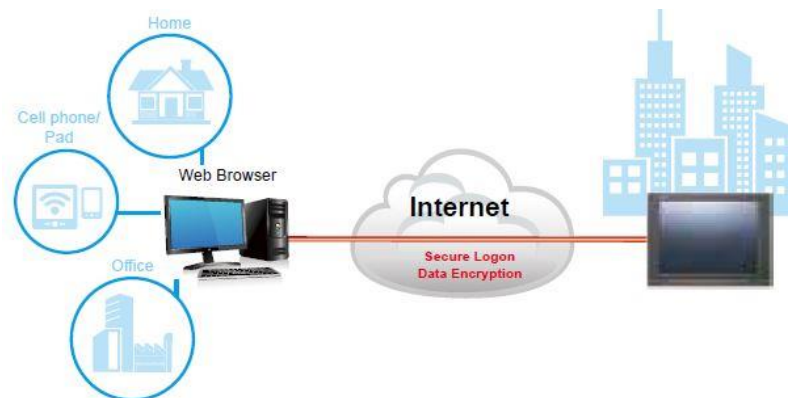
In Clayton Steam and Hot Water Generators we can monitor and access different levels of equipment configurations.

These can be from a basic level where you can see a mirror of the screen to more advanced levels where you can access your Generator to view the parameters, generate automatic reports and send the information of your Generator via WhatsApp.

Clayton is implementing a configurable high-definition color HMI, contains several ports for connection that can be configured in different physical layers "RS232, RS485, RS422" in addition to containing already embedded Ethernet connection.



Remote connection for monitoring, visualization and control of the system. This by means of a computer or from your cell phone. Since it has the technology to connect to VNC, you can also configure the ports to perform MODBUS RTU and MODBUS TCP/IP. communications.



STEAM  
GENERATORS

Advanced  
Steam  
Technology  
that Is Safe,  
Efficient  
and Reliable

Remote log (pc) or virtual (SD) of failures in CVS format. Send these by email.



2.- Integration to the communication system through Ethernet through a VNC, to have access to the monitoring of the Clayton Steam Generators.

This in order to be able to monitor the different parameters that steam generators have, such as:

Water pump feed pressure.

Steam pressure

Trap pressure

Burner on.

In addition to being able to navigate through the different screens that the team has.

### 3.- Remote monitoring

#### Report and alarms via WhatsApp.

This method consists of sending through WhatsApp messages the reports at pre-established times, this that the Steam or Hot Water Generator is sending messages reporting the operating status of the equipment in addition to taking a sample of the configurable values (steam pressure, supply pressure, temperature of the equipment etc.) in addition that if any alarm were to occur automatically you will send the alert at that time. This will benefit since having the alarm message the operator can take the relevant actions.

Caldera Demo  
 Estado de sistema: OK  
 Actualizado a las: 8:53  
 Presión Alimentación: 214 psig OK  
 Presión Trampa: 209 psig OK  
 Presión Vapor: 440 psig OK  
 Temp Chimenea: 137.6°C OK  
 Temp Unidad: 160.7°C OK

8:53 a. m.

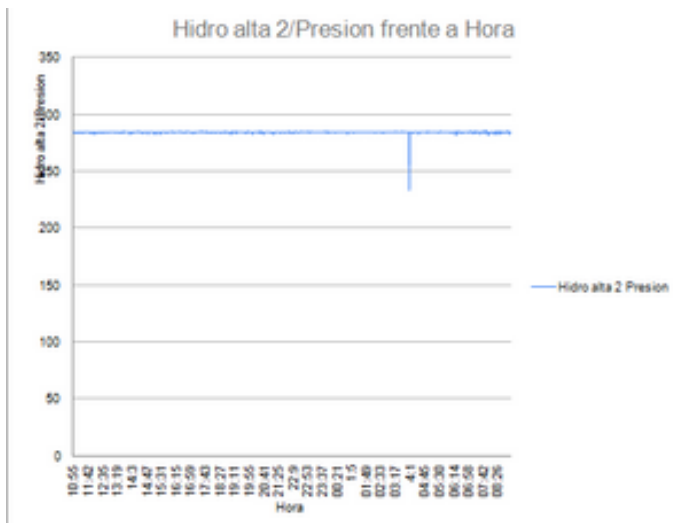
Caldera Demo  
 Estado de sistema: ALARMA  
 Actualizado a las: 9:00  
 Presión Alimentación: 200 psig OK  
 Presión Trampa: 195 psig OK  
 Presión Vapor: 400 psig OK  
 Temp Chimenea: 97.6°C ALARMA  
 Temp Unidad: 100°C OK

Minutos en alarma: 1

9:00 a. m.

Caldera Demo  
 Estado de sistema: OK  
 Actualizado a las: 9:01  
 Presión Alimentación: 252 psig OK  
 Presión Trampa: 247 psig OK  
 Presión Vapor: 400 psig OK

#### Log in excel format



It is the operation of a team in safe conditions, which is complemented by its maintenance and revision. The log is the record of information for each month of equipment operation, incidents, operation adjustments and any other abnormal operating situation.

Hora	Nivel Cisterna	Hidro alta 1 bomba líder	Presion	Hidro alta 2 bomba líder	Presion	Hidro baja bomba líder	Presion	Hidro media 1 bomba líder	Presion	Hidro media 2 bomba líder	Presion
10:55	151	3	234	3	285	2	85	2	138	1	189
10:56	151	3	234	3	285	2	85	2	137	1	188
10:57	150	3	236	3	285	2	85	2	137	1	189
10:58	150	3	236	3	285	2	85	2	138	1	189
10:59	150	3	230	3	285	2	85	2	137	1	188
11:0	150	3	232	3	285	2	85	2	136	1	190
11:1	150	3	236	3	284	2	85	2	136	1	189
11:2	150	3	232	3	285	2	85	2	136	1	189
11:3	150	3	232	3	285	2	86	2	137	1	189
11:4	150	3	234	3	284	2	86	2	130	1	188
11:5	150	3	234	3	285	2	85	2	137	1	189
11:6	150	3	234	3	285	2	85	2	137	1	189
11:7	150	3	236	3	285	2	85	2	138	1	190
11:8	150	3	234	3	285	2	85	2	138	1	189
11:9	150	3	234	3	284	2	85	2	136	1	190
11:13	150	3	228	3	285	2	85	2	136	1	189



save time | save space | save money



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