DOCUMENT NO:		SWD-000209
DOCUMENT REV:		C
TITLE:		SCADA MAP DB10
TYPE:		SOFTWARE SCADA DATA

Clean Energy® COMPRESSION

REVISION HISTORY						
REV	DATE	REFERENCE	CO#	BY	CHK	APR
A	2019/04/17	INITIAL RELEASE	CO-04193	JG	MAE	MAE
B	2019/08/28	ADDED MODBUS ADDRESSING	CO-05165	JG	MAE	MAE
C	2019/10/02	ADDED MOTOR STARTS, PRIORITY PANEL	CO-05165	JG	MAE	MAE

ENGINEERING RELEASE STAMP 2"X 4" - DO NOT DELETE
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APPROVED
By Mark Evans at 6:21 pm, Oct 04, 2019

PRODUCTION CONTROL STAMP 2"X 3" - DO NOT DELETE
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1. Summary

This document lists the information made available to a third party SCADA system for an Essential compressor package and priority panel.

The first compressor in a project will have a standard IP address of 10.0.187.10. Custom IP addresses may be assigned to projects. Integrators should confirm device addresses with the site manager.

Each subsequent compressor will have an IP address in a multiple of 10 (i.e. the standard second compressor has an IP address of 10.0.187.20, the third compressor would be 10.0.187.30).

The priority panel information can only be found in the first compressor.

All tags are available for each compressor. However, some tags are only populated based on the compressor options. Consult the compressor BOM to determine if the tags are present on the compressor.

The Offset column shows the location within the DB when using Siemens communications. The Modbus column shows the Modbus address when using Modbus communications.

2. Compressor Database List

ESSENTIAL COMPRESSOR SCADA DATA MAP MCE/MCEC PLC (10.0.187.10/20) DB10				
TAG NAME	DATA TYPE	OFFSET	MODBUS	COMMENTS
Compressor State	Word	0	40000	Details
PLC Alarms	Word	2	40001	Details
Motor Alarms	Word	4	40002	Details
Interstage Alarms	Word	6	40003	Details
Compressor Discrete Alarms	Word	8	40004	Details
Compressor Control Alarms	Word	10	40005	Details

Heat Exchanger Alarms	Word	12	40006	Details
Site Alarms	Word	14	40007	Details
MCC Alarms	Word	16	40008	Details
Fan Alarms	Word	18	40009	Details
Inlet Pressure Alarms	Word	20	40010	Details
Inlet Temperature Alarms	Word	22	40011	Details
Recovery Pressure Alarms	Word	24	40012	Details
Discharge Pressure Alarms	Word	26	40013	Details
Discharge Temperature Alarms	Word	28	40014	Details
Oil Pressure Alarms	Word	30	40015	Details
Oil Pressure Alarms	Word	32	40016	Details
Gas LEL Alarms	Word	34	40017	Details
Stage 1 Pressure Alarms	Word	36	40018	Details
Stage 1 Temperature Alarms	Word	38	40019	Details
Stage 2 Pressure Alarms	Word	40	40020	Details
Stage 2 Temperature Alarms	Word	42	40021	Details
Stage 3 Pressure Alarms	Word	44	40022	Details
Stage 3 Temperature Alarms	Word	46	40023	Details
Stage 4 Temperature Alarms	Word	48	40024	Details
Stage 4 Pressure Alarms	Word	50	40025	Details
Stage 5 Pressure Alarms	Word	52	40026	Details
Stage 5 Temperature Alarms	Word	54	40027	Details
Stage 6 Pressure Alarms	Word	56	40028	Details
Stage 6 Temperature Alarms	Word	58	40029	Details
Control Gas Pressure Alarms	Word	60	40030	Details
Enclosure Temperature Alarms	Word	62	40031	Details
Ambient Temperature Alarms	Word	64	40032	Details
Inlet Pressure Scaled	Real	66	40033	
Inlet Temperature Scaled	Real	70	40035	
Recovery Pressure Scaled	Real	74	40037	
Discharge Pressure Scaled	Real	78	40039	
Discharge Temperature Scaled	Real	82	40041	
Oil Pressure Scaled	Real	86	40043	
Oil Pressure Scaled	Real	90	40045	
Gas LEL Scaled	Real	94	40047	
Stage 1 Pressure Scaled	Real	98	40049	
Stage 1 Temperature Scaled	Real	102	40051	
Stage 2 Pressure Scaled	Real	106	40053	
Stage 2 Temperature Scaled	Real	110	40055	
Stage 3 Pressure Scaled	Real	114	40057	
Stage 3 Temperature Scaled	Real	118	40059	
Stage 4 Temperature Scaled	Real	122	40061	
Stage 4 Pressure Scaled	Real	126	40063	
Stage 5 Pressure Scaled	Real	130	40065	
Stage 5 Temperature Scaled	Real	134	40067	

Stage 6 Pressure Scaled	Real	138	40069	
Stage 6 Temperature Scaled	Real	142	40071	
Control Gas Pressure Scaled	Real	146	40073	
Enclosure Temperature Scaled	Real	150	40075	
Ambient Temperature Scaled	Real	154	40077	
Total Run Time Hours	LReal	158	40079	
Total Compression Time Hours	LReal	166	40083	
Total Motor Starts	Dint	174	40087	
Inlet Pressure Alarm High Setpoint	Real	178	40089	
Inlet Pressure Warning High Setpoint	Real	182	40091	
Inlet Pressure Warning Low Setpoint	Real	186	40093	
Inlet Pressure Alarm Low Setpoint	Real	190	40095	
Inlet Pressure Scale Setpoint	Real	194	40097	
Inlet Temperature Alarm High Setpoint	Real	198	40099	
Inlet Temperature Warning High Setpoint	Real	202	40101	
Inlet Temperature Warning Low Setpoint	Real	206	40103	
Inlet Temperature Alarm Low Setpoint	Real	210	40105	
Recirc Inlet Pressure Alarm High Setpoint	Real	214	40107	
Recirc Inlet Pressure Warning High Setpoint	Real	218	40109	
Recirc Inlet Pressure Warning Low Setpoint	Real	222	40111	
Recirc Inlet Pressure Alarm Low Setpoint	Real	226	40113	
Recovery Pressure Alarm High Setpoint	Real	230	40115	
Recovery Pressure Warning High Setpoint	Real	234	40117	
Recovery Pressure Warning Low Setpoint	Real	238	40119	
Recovery Pressure Alarm Low Setpoint	Real	242	40121	
Recovery Pressure Scale Setpoint	Real	246	40123	
Discharge Pressure Alarm High Setpoint	Real	250	40125	
Discharge Pressure Warning High Setpoint	Real	254	40127	
Discharge Pressure Warning Low Setpoint	Real	258	40129	
Discharge Pressure Alarm Low Setpoint	Real	262	40131	
Discharge Pressure Scale Setpoint	Real	266	40133	
Discharge Fast Rise Alarm Pressure Setpoint	Real	270	40135	
Discharge High Differential Pressure Setpoint	Real	274	40137	
Discharge Temperature Alarm High Setpoint	Real	278	40139	
Discharge Temperature Warning High Setpoint	Real	282	40141	
Discharge Temperature Warning Low Setpoint	Real	286	40143	
Discharge Temperature Alarm Low Setpoint	Real	290	40145	
Oil Pressure Alarm High Setpoint	Real	294	40147	
Oil Pressure Warning High Setpoint	Real	298	40149	
Oil Pressure Warning Low Setpoint	Real	302	40151	
Oil Pressure Alarm Low Setpoint	Real	306	40153	
Oil Pressure Scale Setpoint	Real	310	40155	
Oil Temperature Alarm High Setpoint	Real	314	40157	
Oil Temperature Warning High Setpoint	Real	318	40159	
Oil Temperature Warning Low Setpoint	Real	322	40161	

Oil Temperature Alarm Low Setpoint	Real	326	40163	
Gas Alarm High Setpoint	Real	330	40165	
Gas Warning High Setpoint	Real	334	40167	
Stage 1 Pressure Alarm High Setpoint	Real	338	40169	
Stage 1 Pressure Warning High Setpoint	Real	342	40171	
Stage 1 Pressure Warning Low Setpoint	Real	346	40173	
Stage 1 Pressure Alarm Low Setpoint	Real	350	40175	
Stage 1 Pressure Scale Setpoint	Real	354	40177	
Stage 1 Temperature Alarm High Setpoint	Real	358	40179	
Stage 1 Temperature Warning High Setpoint	Real	362	40181	
Stage 2 Pressure Alarm High Setpoint	Real	366	40183	
Stage 2 Pressure Warning High Setpoint	Real	370	40185	
Stage 2 Pressure Warning Low Setpoint	Real	374	40187	
Stage 2 Pressure Alarm Low Setpoint	Real	378	40189	
Stage 2 Pressure Scale Setpoint	Real	382	40191	
Stage 2 Temperature Alarm High Setpoint	Real	386	40193	
Stage 2 Temperature Warning High Setpoint	Real	390	40195	
Stage 3 Pressure Alarm High Setpoint	Real	394	40197	
Stage 3 Pressure Warning High Setpoint	Real	398	40199	
Stage 3 Pressure Warning Low Setpoint	Real	402	40201	
Stage 3 Pressure Alarm Low Setpoint	Real	406	40203	
Stage 3 Pressure Scale Setpoint	Real	410	40205	
Stage 3 Temperature Alarm High Setpoint	Real	414	40207	
Stage 3 Temperature Warning High Setpoint	Real	418	40209	
Stage 4 Pressure Alarm High Setpoint	Real	422	40211	
Stage 4 Pressure Warning High Setpoint	Real	426	40213	
Stage 4 Pressure Warning Low Setpoint	Real	430	40215	
Stage 4 Pressure Alarm Low Setpoint	Real	434	40217	
Stage 4 Pressure Scale Setpoint	Real	438	40219	
Stage 4 Temperature Alarm High Setpoint	Real	442	40221	
Stage 4 Temperature Warning High Setpoint	Real	446	40223	
Stage 5 Pressure Alarm High Setpoint	Real	450	40225	
Stage 5 Pressure Warning High Setpoint	Real	454	40227	
Stage 5 Pressure Warning Low Setpoint	Real	458	40229	
Stage 5 Pressure Alarm Low Setpoint	Real	462	40231	
Stage 5 Pressure Scale Setpoint	Real	466	40233	
Stage 5 Temperature Alarm High Setpoint	Real	470	40235	
Stage 5 Temperature Warning High Setpoint	Real	474	40237	
Stage 6 Pressure Alarm High Setpoint	Real	478	40239	
Stage 6 Pressure Warning High Setpoint	Real	482	40241	
Stage 6 Pressure Warning Low Setpoint	Real	486	40243	
Stage 6 Pressure Alarm Low Setpoint	Real	490	40245	
Stage 6 Pressure Scale Setpoint	Real	494	40247	
Stage 6 Temperature Alarm High Setpoint	Real	498	40249	
Stage 6 Temperature Warning High Setpoint	Real	502	40251	

Control Gas Alarm High P High Pressure Setpoint	Real	506	40253	
Control Gas Warning High P High Pressure Setpoint	Real	510	40255	
Control Gas Warning Low P Low Pressure Setpoint	Real	514	40257	
Control Gas Alarm Low P Low Pressure Setpoint	Real	518	40259	
Control Gas Pressure Gas Scale Setpoint	Real	522	40261	
Enclosure Temperature Alarm High Setpoint	Real	526	40263	
Enclosure Temperature Alarm Low Setpoint	Real	530	40265	
Enclosure Temperature Warning High Setpoint	Real	534	40267	
Local Start Compressor Setpoint	Real	538	40269	
Local Stop Compressor Setpoint	Real	542	40271	
Startup Recovery Valve Open Pressure Setpoint	Real	546	40273	
Unloader Valve Close Pressure Setpoint	Real	550	40275	
Recirculation Drawdown Pressure Setpoint	Real	554	40277	
Recovery Tank Inlet Open Pressure Setpoint	Real	558	40279	
Motor Starts Per Hour Warning Setpoint	Int	562	40281	
Motor Starts Per Hour Alarm Setpoint	Int	564	40282	
Block Heater On Temperature Setpoint	Real	566	40283	
Block Heater Off Temperature Setpoint	Real	570	40285	
Skid Heat On Setpoint	Real	574	40287	
Skid Heat Off Setpoint	Real	578	40289	
Gas Check Interval Time Setpoint	DInt	582	40291	
Gas Check Stop Time Setpoint	DInt	586	40293	
Fan Forward Direction Temperature Setpoint	Real	590	40295	
Fan Reverse Direction Temperature Setpoint	Real	594	40297	
Open Louvers Temperature Setpoint	Real	598	40299	
Close Louvers Temperature Setpoint	Real	602	40301	
Cooler Hold Timer Setpoint	DInt	606	40303	
Recirculation Timer Setpoint	DInt	610	40305	
Start Delay Timer Setpoint	DInt	614	40307	
Recovery Valve Shutdown Delay Timer Setpoint	DInt	618	40309	
Autodrain Shutdown Delay Timer Setpoint	DInt	622	40311	
Minimum Oil Temperature for Compressor Start Setpoint	Real	626	40313	
Drawdown Timeout Timer Setpoint	DInt	630	40315	
Skid Red Light Digital Output	Bool	634.0	40317.8	
Skid Blue Light Digital Output	Bool	634.1	40317.9	
Skid Green Light Digital Output	Bool	634.2	40317.10	
MCC Red Light Digital Output	Bool	634.3	40317.11	
MCC Blue Light Digital Output	Bool	634.4	40317.12	
MCC Green Light Digital Output	Bool	634.5	40317.13	
Stack Red Light Digital Output	Bool	634.6	40317.14	
Stack Blue Light Digital Output	Bool	634.7	40317.15	
Stack Green Light Digital Output	Bool	635.0	40317.0	
Horn Digital Output	Bool	635.1	40317.1	
Forward Vent Fan Digital Output	Bool	635.2	40317.2	
Reverse Vent Fan Digital Output	Bool	635.3	40317.3	

Forward Cooling Fan Digital Output	Bool	635.4	40317.4	
Reverse Cooling Fan Digital Output	Bool	635.5	40317.5	
Inlet Solenoid Digital Output	Bool	635.6	40317.6	
Recovery Solenoid Digital Output	Bool	635.7	40317.7	
Autodrain Solenoid Digital Output	Bool	636.0	40318.8	
Space Heater Digital Output	Bool	636.1	40318.9	
Unload Solenoid Digital Output	Bool	636.2	40318.10	
Louver Open Solenoid Digital Output	Bool	636.3	40318.11	
Priority Panel Digital Output 1	Bool	636.4	40318.12	
Priority Panel Digital Output 2	Bool	636.5	40318.13	
Priority Panel Digital Output 3	Bool	636.6	40318.14	
Priority Panel Digital Output 4	Bool	636.7	40318.15	
Priority Panel Digital Output 5	Bool	637.0	40318.0	
Crank Case Oil Heater Digital Output	Bool	637.1	40318.1	
Main Disconnect Status Digital Input	Bool	637.2	40318.2	
Phase Rotation Digital Input	Bool	637.3	40318.3	
Voltage Out Of Range Digital Input	Bool	637.4	40318.4	
ESD Status Digital Input	Bool	637.5	40318.5	
Local and Site ESD Digital Input	Bool	637.6	40318.6	
Reset Pushbutton Digital Input	Bool	637.7	40318.7	
Vent Breaker Digital Input	Bool	638.0	40319.8	
Vent Overload Digital Input	Bool	638.1	40319.9	
Vent Forward Direction Digital Input	Bool	638.2	40319.10	
Vent Reverse Direction Digital Input	Bool	638.3	40319.11	
Cooler Breaker Digital Input	Bool	638.4	40319.12	
Cooler Overload Digital Input	Bool	638.5	40319.13	
Cooler Forward Direction Digital Input	Bool	638.6	40319.14	
Cooler Reverse Direction Digital Input	Bool	638.7	40319.15	
Online/Offline Door Switch Digital Input	Bool	639.0	40319.0	
Online/Offline Skid Switch Digital Input	Bool	639.1	40319.1	
Remote/Local Skid Switch Digital Input	Bool	639.2	40319.2	
Oil Level Switch Digital Input	Bool	639.3	40319.3	
Dryer Alarm Digital Input	Bool	639.4	40319.4	
Dryer Dewpoint Alarm Digital Input	Bool	639.5	40319.5	
MCEC Thermistor Motor Protection Digital Input	Bool	639.6	40319.6	
Space Heater Over Temperature Switch Digital Input	Bool	639.7	40319.7	
Main Motor Thermostat Digital Input	Bool	640.0	40320.8	
Motor 2 Thermostat Digital Input	Bool	640.1	40320.9	
Motor 3 Thermostat Digital Input	Bool	640.2	40320.10	
Motor 4 Thermostat Digital Input	Bool	640.3	40320.11	
Motor 5 Thermostat Digital Input	Bool	640.4	40320.12	
Main Compressor Overload Digital Input	Bool	640.5	40320.13	
Main Compressor Contactor Digital Input	Bool	640.6	40320.14	
MCE Thermistor Motor Protection Digital Input	Bool	640.7	40320.15	
Cold Oil Warning	Bool	641.0	40320.0	

Metric-Imperial Units	Bool	641.1	40320.1	
Customer MCP Run Request - MCE	Bool	641.2	40320.2	
Customer MCP Run Request - MCEC	Bool	641.3	40320.3	
Customer MCP Run Command - MCE	Bool	641.4	40320.4	
Customer MCP Run Command - MCEC	Bool	641.5	40320.5	

3. Priority Panel Database List

PRIORITY PANEL SCADA DATA MAP MCE PLC (10.0.187.10) DB10				
TAG NAME	DATA TYPE	OFFSET	MODBUS	COMMENTS
Dispenser Pressure Alarm High Setpoint	Real	642	40321	
Dispenser Pressure Alarm Warning Setpoint	Real	646	40323	
Dispenser Pressure Scale Setpoint	Real	650	40325	
High Bank Storage Pressure Alarm High Setpoint	Real	654	40327	
High Bank Storage Pressure Alarm Warning Setpoint	Real	658	40329	
High Bank Storage Pressure Scale Setpoint	Real	662	40331	
Mid Bank Storage Pressure Alarm High Setpoint	Real	666	40333	
Mid Bank Storage Pressure Alarm Warning Setpoint	Real	670	40335	
Mid Bank Storage Pressure Scale Setpoint	Real	674	40337	
Low Bank Storage Pressure Alarm High Setpoint	Real	678	40339	
Low Bank Storage Pressure Alarm Warning Setpoint	Real	682	40341	
Low Bank Storage Pressure Scale Setpoint	Real	686	40343	
Fill Post 1 Pressure Alarm High Setpoint	Real	690	40345	
Fill Post 1 Pressure Alarm Warning Setpoint	Real	694	40347	
Fill Post 1 Pressure Scale Setpoint	Real	698	40349	
Fill Post 2 Pressure Alarm High Setpoint	Real	702	40351	
Fill Post 2 Pressure Alarm Warning Setpoint	Real	706	40353	
Fill Post 2 Pressure Scale Setpoint	Real	710	40355	
Dispenser Stop Pressure Setpoint	Real	714	40357	
Dispenser Start Pressure for Compressor 1 Setpoint	Real	718	40359	
Dispenser Start Pressure for Compressor 2 Setpoint	Real	722	40361	
Storage Multiple Compressor Stop Pressure Setpoint	Real	726	40363	
High Bank Storage Stop Pressure With Temperature Compensation Setpoint	Real	730	40365	
High Bank Storage Stop Pressure Without Temperature Compensation Setpoint	Real	734	40367	
High Bank Storage Stop Pressure Adder Setpoint	Real	738	40369	
High Bank Storage Maximum Stop Pressure Setpoint	Real	742	40371	
Mid Bank Storage Stop Pressure With Temperature Compensation Setpoint	Real	746	40373	
Mid Bank Storage Stop Pressure Without Temperature Compensation Setpoint	Real	750	40375	

Mid Bank Storage Stop Pressure Adder Setpoint	Real	754	40377	
Mid Bank Storage Maximum Stop Pressure Setpoint	Real	758	40379	
Low Bank Storage Stop Pressure With Temperature Compensation Setpoint	Real	762	40381	
Low Bank Storage Stop Pressure Without Temperature Compensation Setpoint	Real	766	40383	
Low Bank Storage Stop Pressure Adder Setpoint	Real	770	40385	
Low Bank Storage Maximum Stop Pressure Setpoint	Real	774	40387	
Fill Post 1 Stop Pressure With Temperature Compensation Setpoint	Real	778	40389	
Fill Post 1 Stop Pressure Without Temperature Compensation Setpoint	Real	782	40391	
Fill Post 1 Start Pressure Offset Setpoint	Real	786	40393	
Fill Post 1 Multiple Compressor Stop Pressure Setpoint	Real	790	40395	
Fill Post 1 Stop Pressure Adder Setpoint	Real	794	40397	
Fill Post 1 Maximum Stop Pressure Setpoint	Real	798	40399	
Fill Post 1 Number of Compressors to Run Setpoint	Int	802	40401	
Fill Post 1 Overfill Timer Setpoint	DInt	804	40402	
Fill Post 1 Maximum Samples Setpoint	Int	808	40404	
Fill Post 1 Sample Timer Setpoint	DInt	810	40405	
Fill Post 1 Schedule Time On Setpoint	Time_Of_Day	814	40407	
Fill Post 1 Schedule Time Off Setpoint	Time_Of_Day	818	40409	
Fill Post 2 Stop Pressure With Temperature Compensation Setpoint	Real	822	40411	
Fill Post 2 Stop Pressure Without Temperature Compensation Setpoint	Real	826	40413	
Fill Post 2 Start Pressure Offset Setpoint	Real	830	40415	
Fill Post 2 Multiple Compressor Stop Pressure Setpoint	Real	834	40417	
Fill Post 2 Stop Pressure Adder Setpoint	Real	838	40419	
Fill Post 2 Maximum Stop Pressure Setpoint	Real	842	40421	
Fill Post 2 Number of Compressors to Run Setpoint	Int	846	40423	
Fill Post 2 Overfill Timer Setpoint	DInt	848	40424	
Fill Post 2 Maximum Samples Setpoint	Int	852	40426	
Fill Post 2 Sample Timer Setpoint	DInt	854	40427	
Fill Post 2 Schedule Time On Setpoint	Time_Of_Day	858	40429	
Fill Post 2 Schedule Time Off Setpoint	Time_Of_Day	862	40431	
Leak Check Settle Timer Setpoint	DInt	866	40433	
Leak Check Compare Timer Setpoint	DInt	870	40435	
Leak Check Interval Timer Setpoint	DInt	874	40437	
Leak Check Percentage Drop Allowed Setpoint	Real	878	40439	
Leak Check Pressure Drop Allowed Setpoint	Real	882	40441	
Leak Check Number of Cycles Setpoint	Int	886	40443	
Leak Check Maximum Leaks Setpoint	Int	888	40444	
Dispenser Alarms	Word	890	40445	Details
High Bank Storage Alarms	Word	892	40446	Details

Mid Bank Storage Alarms	Word	894	40447	Details
Low Bank Storage Alarms	Word	896	40448	Details
Fill Post 1 Alarms	Word	898	40449	Details
Fill Post 2 Alarms	Word	900	40450	Details
Priority Panel Miscellaneous Alarms	Word	902	40451	
Leak Check Alarms	Word	904	40452	Details
Dispenser Pressure Scaled	Real	906	40453	
High Bank Storage Pressure Scaled	Real	910	40455	
Mid Bank Storage Pressure Scaled	Real	914	40457	
Low Bank Storage Pressure Scaled	Real	918	40459	
Fill Post 1 Pressure Scaled	Real	922	40461	
Fill Post 2 Pressure Scaled	Real	926	40463	
Dispenser Start Pressure	Real	930	40465	
Dispenser Stop Pressure	Real	934	40467	
High Bank Storage Stop Pressure	Real	938	40469	
Mid Bank Storage Stop Pressure	Real	942	40471	
Low Bank Storage Stop Pressure	Real	946	40473	
Fill Post 1 Start Pressure	Real	950	40475	
Fill Post 1 Stop Pressure	Real	954	40477	
Fill Post 2 Start Pressure	Real	958	40479	
Fill Post 2 Stop Pressure	Real	962	40481	
High Bank Storage Solenoid	Bool	966	40483.8	
Mid Bank Storage Solenoid	Bool	966.1	40483.9	
Low Bank Storage Solenoid	Bool	966.2	40483.10	
Fill Post 1 Solenoid	Bool	966.3	40483.11	
Fill Post 2 Solenoid	Bool	966.4	40483.12	

4. Details of Multiplexed Values

Some information is more easily presented in multiplex form. The details of these values is listed below.

COMPRESSOR STATE (DB10.DBW0)		
DESCRIPTION	TYPE	VALUE
Offline	INT	0
Ready	INT	1
Starting	INT	2
Compression	INT	3
Recirculation	INT	4
Alarm	INT	5
Start Delay	INT	6
Force	INT	7
Lock Out	INT	8
Test Complete	INT	9

Back to Alarms

ANALOG ALARMS (DB10.DBW20-64)		
DESCRIPTION	TYPE	VALUE
High Fault Alarm	BOOL	0
Low Fault Alarm	BOOL	1
High Alarm	BOOL	2
Low Alarm	BOOL	3
High Warning	BOOL	4
Low Warning	BOOL	5
n/a	BOOL	6
n/a	BOOL	7
n/a	BOOL	8
n/a	BOOL	9
n/a	BOOL	10
n/a	BOOL	11
n/a	BOOL	12
n/a	BOOL	13
n/a	BOOL	14
n/a	BOOL	15

Back to Alarms

PLC ALARMS (DB10.DBW2)		
DESCRIPTION	TYPE	BIT
CPU Head Fault	BOOL	0
CPU IO Fault	BOOL	1
C1 Card Fault	BOOL	2
C2 Card Fault	BOOL	3
C3 Card Fault	BOOL	4
C4 Card Fault	BOOL	5
C5 Card Fault	BOOL	6
Port 1 Fault	BOOL	7
Port 2 Fault	BOOL	8
Profinet Fault	BOOL	9
n/a	BOOL	10
n/a	BOOL	11
n/a	BOOL	12
n/a	BOOL	13
n/a	BOOL	14
n/a	BOOL	15

INTERSTAGE ALARMS (DB10.DBW8)		
DESCRIPTION	TYPE	BIT
Stage 1 PT Alarm	BOOL	0
Stage 2 PT Alarm	BOOL	1
Stage 3 PT Alarm	BOOL	2
Stage 4 PT Alarm	BOOL	3
Stage 5 PT Alarm	BOOL	4
Stage 1 TC Alarm	BOOL	5
Stage 2 TC Alarm	BOOL	6
Stage 3 TC Alarm	BOOL	7
Stage 4 TC Alarm	BOOL	8
Stage 5 TC Alarm	BOOL	9
Stage 6 PT Alarm	BOOL	10
Stage 6 TC Alarm	BOOL	11
n/a	BOOL	12
n/a	BOOL	13
n/a	BOOL	14
n/a	BOOL	15

HEAT EXCHANGER ALARMS (DB10.DBW14)		
DESCRIPTION	TYPE	BIT
Spare	BOOL	0
Spare	BOOL	1
Spare	BOOL	2
Ambient TC Alarm (Low/High/Fault Low/Fault High)	BOOL	3
Gas Alarm (Low/High/Fault Low/Fault High)	BOOL	4
Enclosure TC Alarm (Low/High/Fault Low/Fault High)	BOOL	5
Spare	BOOL	6
Spare	BOOL	7
Spare	BOOL	8
Spare	BOOL	9
Spare	BOOL	10
Spare	BOOL	11
Spare	BOOL	12
Spare	BOOL	13
Spare	BOOL	14
Spare	BOOL	15

COMPRESSOR DISCRETE ALARMS (DB10.DBW10)		
DESCRIPTION	TYPE	BIT
Reserved	BOOL	0
Reserved	BOOL	1
Reserved	BOOL	2
Reserved	BOOL	3
Oil Level Low Switch Alarm	BOOL	4
Space Heater Over Temperature Alarm	BOOL	5
Reserved	BOOL	6
Reserved	BOOL	7
Reserved	BOOL	8
Reserved	BOOL	9
Reserved	BOOL	10
Reserved	BOOL	11
Reserved	BOOL	12
Reserved	BOOL	13
Reserved	BOOL	14
Reserved	BOOL	15

COMPRESSOR CONTROL ALARMS (DB10.DBW12)		
DESCRIPTION	TYPE	BIT
Inlet PT Alarm (Low/High/Fault Low/Fault High)	BOOL	0
Recovery PT Alarm (Low/High/Fault Low/Fault High)	BOOL	1
Discharge PT Alarm (Low/High/Fault Low/Fault High)	BOOL	2
Oil PT Alarm (Low/High/Fault Low/Fault High)	BOOL	3
Discharge TC Alarm (Low/High/Fault Low/Fault High)	BOOL	4
Discharge PT High Differential Alarm	BOOL	5
High # of Motor Starts Alarm	BOOL	6
Oil TC Alarm (Low/High/Fault Low/Fault High)	BOOL	7
Startup Drawdown Time Exceeded	BOOL	8
Recirc Drawdown Time Exceeded	BOOL	9
Motor TC Alarm (Low/High/Fault Low/Fault High)	BOOL	10
Spare	BOOL	11
Discharge PT Fast Rise Alarm (Low/High/Fault Low/Fault High)	BOOL	12
Control Gas Alarm (Low/High/Fault Low/Fault High)	BOOL	13
Inlet TC Alarm (Low/High/Fault High/Fault Low)	BOOL	14
Oil Level Alarm (Low/High/Fault Low/Fault High)	BOOL	15

FAN MCC ALARMS (DB10.DBW22)		
DESCRIPTION	TYPE	BIT
Vent Fan Circuit Breaker Alarm	BOOL	0
Cooler Fan Circuit Breaker Alarm	BOOL	1
Vent Fan Thermostat Alarm	BOOL	2
Cooler Fan Thermostat Alarm	BOOL	3
Vent Fan MSP Alarm	BOOL	4
Cooler Fan MSP Alarm	BOOL	5
Vent Fan Overload Alarm	BOOL	6
Cooler Fan Overload Alarm	BOOL	7
Reserved	BOOL	8
Reserved	BOOL	9
Reserved	BOOL	10
Reserved	BOOL	11
Reserved	BOOL	12
Reserved	BOOL	13
Reserved	BOOL	14
Reserved	BOOL	15

MCC ALARMS (DB10.DBW20)

DESCRIPTION	TYPE	BIT
Reserved	BOOL	0
Reserved	BOOL	1
Main Breaker Alarm	BOOL	2
Reserved	BOOL	3
Reserved	BOOL	4
Reserved	BOOL	5
Reserved	BOOL	6
Reserved	BOOL	7
Reserved	BOOL	8
Reserved	BOOL	9
Reserved	BOOL	10
Reserved	BOOL	11
Reserved	BOOL	12
Reserved	BOOL	13
Reserved	BOOL	14
Reserved	BOOL	15

SOFT STARTER ALARMS (DB10.DBW6)

DESCRIPTION	TYPE	BIT
Soft Starter Alarm	BOOL	0
Reserved	BOOL	1
Reserved	BOOL	2
Reserved	BOOL	3
Reserved	BOOL	4
Reserved	BOOL	5
Reserved	BOOL	6
Reserved	BOOL	7
Reserved	BOOL	8
Reserved	BOOL	9
Reserved	BOOL	10
Reserved	BOOL	11
Reserved	BOOL	12
Reserved	BOOL	13
Reserved	BOOL	14
Reserved	BOOL	15

SITE ALARMS (DB10.DBW16)		
DESCRIPTION	**TYPE**	**BIT**
Spare	BOOL	0
Local ESD Alarm	BOOL	1
Voltage Out of Range Alarm	BOOL	2
Remote ESD Alarm	BOOL	3
Phase Rotation Alarm	BOOL	4
Thermistor Motor Alarm	BOOL	5
Main Motor Thermostat Alarm	BOOL	6
Dryer Alarm	BOOL	7
Dryer Dewpoint Alarm	BOOL	8
Spare	BOOL	9
Comms Lost to Partner Skid PLC	BOOL	10
Spare	BOOL	11
Spare	BOOL	12
Spare	BOOL	13
Comms Lost to Customer MCP PLC	BOOL	14
Spare	BOOL	15

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LEAK CHECK ALARMS (DB10.DBW904)		
DESCRIPTION	**TYPE**	**BIT**
Fill Post 1 Leak Check Alarm	BOOL	0
Fill Post 2 Leak Check Alarm	BOOL	1
Fill Post 3 Leak Check Alarm	BOOL	2
Reserved	BOOL	3-15

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