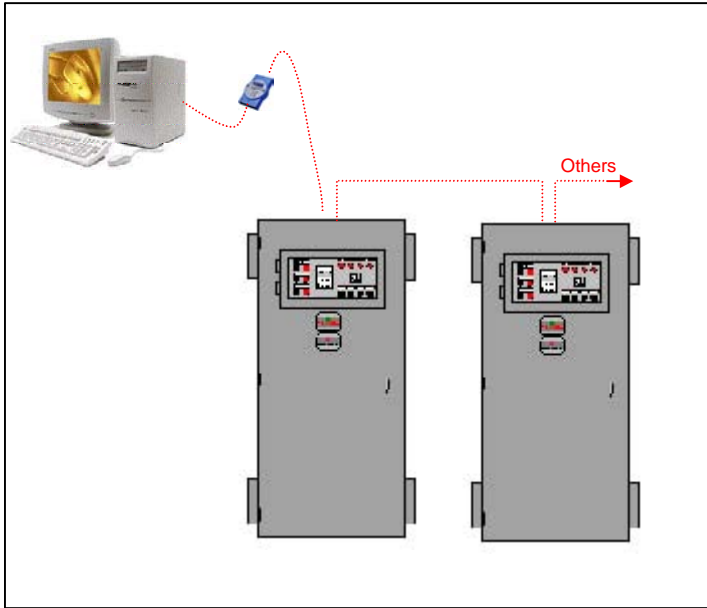


Vy-OMS™ OPERATION MONITORING SYSTEM FOR Vy-ESP-FloCon™



Real-Time Monitoring of Vy-ESP Flocon Energy Savings System

Monitor the operational statuses, process pressure requirement and power consumption of the system.

E-mail & SMS Capabilities (Optional)

Where required, the Vy OMS system can be connected to a direct telephone or fax line extension to send sms alarm/fault messages to the Celcom and Maxis Telco service providers (via the internet) which routes the message to the designated handphone. However, we wish to inform that the reliability of the sms messages is dependent on the telco as well as the internet connectivity. The data log files can also be emailed to the enduser and Vy Process Engineering for operational record as well as diagnostic purposes when required. Enduser must provide the telephone/fax lines and the internet dialup account for the above features.

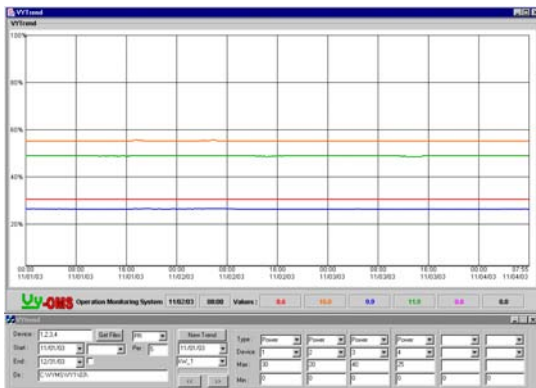
PERIODIC ENERGY & OPERATIONAL REPORT

Site : MCH2							Subject : Energy Consumption Report						
Board : 002							Board : 002						
Duration : 01/01/04 to 01/24/04							WJ Process Engineering Sdn. Bhd.						
Date	Run time	Daily kWh	run time	Daily Energy	Average Power	Ref Energy	Date	Run time	Daily kWh	run time	Daily Energy	Average Power	Ref Energy
	(hrs)	(kWh)	(hrs)	(kWh)	(kW)	(kWh)		(hrs)	(kWh)	(hrs)	(kWh)	(kW)	(kWh)
01/01/04	3977	241	6716	210	8.75	6.25	3601	1501					
01/02/04	4001	241	6926	210	8.75	6.25	3601	1501					
01/03/04	4025	241	7136	210	8.75	6.25	3601	1501					
01/04/04	4049	241	7346	210	8.75	6.25	3601	1501					
01/05/04	4073	241	7556	209	8.71	6.29	3601	1511					
01/06/04	4097	241	7765	210	8.75	6.25	3601	1501					
01/07/04	4121	241	7975	210	8.75	6.25	3601	1501					
01/08/04	4145	241	8185	209	8.71	6.29	3601	1511					
01/09/04	4169	241	8394	209	8.71	6.29	3601	1511					
01/10/04	4193	241	8603	209	8.71	6.29	3601	1511					
01/11/04	4217	241	8812	210	8.75	6.25	3601	1501					
01/12/04	4241	241	9022	209	8.71	6.29	3601	1511					
01/13/04	4265	241	9231	209	8.71	6.29	3601	1511					
01/14/04	4289	241	9440	209	8.71	6.29	3601	1511					
01/15/04	4313	241	9649	209	8.71	6.29	3601	1511					
01/16/04	4337	241	9858	209	8.71	6.29	3601	1511					
01/17/04	4361	231	671	209	8.91	6.09	3451	1401					
01/18/04	4384	241	2721	210	8.75	6.25	3601	1501					
01/19/04	4408	241	4821	209	8.71	6.29	3601	1511					
01/20/04	4432	241	6921	209	8.71	6.29	3601	1511					
01/21/04	4456	241	9001	209	8.71	6.29	3601	1511					
01/22/04	4480	241	1109	210	8.75	6.25	3601	1501					
01/23/04	4504	241	1319	209	8.91	6.09	3451	1401					
01/24/04	4528	241	1527	209	8.71	6.29	3601	1511					
01/25/04													
01/26/04													
01/27/04													
01/28/04													
01/29/04													
01/30/04													
01/31/04													
SUBTOTAL			5751		5020	210	1501	8625	3605				
AVERAGE						8.73	6.27						
Reference Energy Consumption (kWh) :					8625								
Total Energy Consumption :					5928								
Total Energy Saving :					3605								
Average Power :					210								
Electrical Tariff E2													
Average Energy Cost Savings @ RM 0.21/kWh :					RM 757								

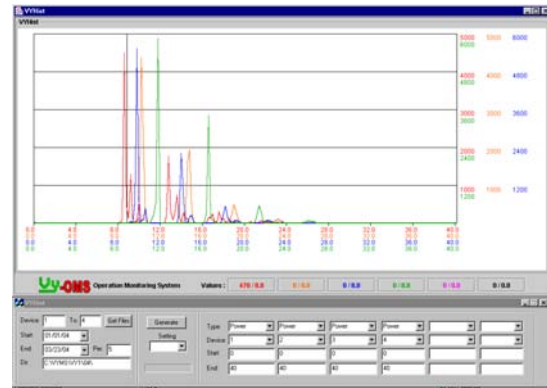
Site : MCH2							Subject : Energy Consumption Report						
Board : 002							Board : 002						
Duration : 01/01/04 to 01/24/04							Vy Process Engineering Sdn. Bhd.						
Date	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min			
01/01/04	39	37.2	22.1	9.6	34.8	32.3	55.5	42.4					
01/02/04	39	37.2	27.9	9.3	34.9	31.8	57.8	43					
01/03/04	39	37.2	22.5	9.4	34.9	32.7	57.3	43.8					
01/04/04	39	37.6	22.6	9.6	34.9	32.8	57	43.2					
01/05/04	39	18.5	22.7	7.1	34.9	19.1	55.7	29.1					
01/06/04	39	37.2	22.4	9.7	34.7	32	55.5	42.5					
01/07/04	39	36.6	22.7	9.3	34.7	32.6	56.6	42.1					
01/08/04	39	36.7	22.4	9.7	34.7	32.6	56.8	43.3					
01/09/04	39	37.7	22.6	9.7	34.7	32.5	55.5	43.7					
01/10/04	39	37.6	22.3	9.7	34.7	32.1	55.5	43.7					
01/11/04	39	36.7	22.4	9.5	34.7	32.5	56.4	43.9					
01/12/04	39	37.2	22.5	9.5	34.7	33	56.7	44.1					
01/13/04	39	37.7	22.9	9.7	34.7	32.7	56.4	44.5					
01/14/04	39	36.9	26.1	9.7	34.7	32.6	56.7	44.1					
01/15/04	39	37.7	22.4	9.6	34.7	31.8	54.9	44.4					
01/16/04	39	37.2	22.3	9.7	34.7	32.6	56.2	43.4					
01/17/04	39	25.4	18.6	6.2	34.8	19.9	56	36.2					
01/18/04	39	37.6	19.7	9.5	34.8	32.2	56.8	44.7					
01/19/04	39	37.2	22.1	9.5	34.8	31.8	54.5	43.6					
01/20/04	39	37.2	22.5	9.6	34.8	32.7	54.9	43					
01/21/04	39	37.2	22.7	9.6	34.8	32.7	56.1	43.7					
01/22/04	39	37.2	26.2	9.5	34.8	32.7	55.8	42.5					
01/23/04	39	37.3	22.7	9.6	34.8	32.6	57.8	44.6					
Max	40		31		34.9		59						
Min	18.5		6.2		19.1		29.1						

- Energy Consumption & Energy Savings Summary
- Monthly Energy Consumption, Run-Time Record
- Maximum & Minimum Values of Frequency, Power, Pressure & Temperature

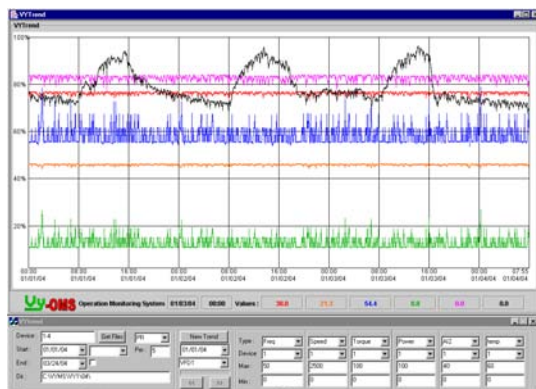
PERIODIC OPERATION TRENDS & HISTOGRAM



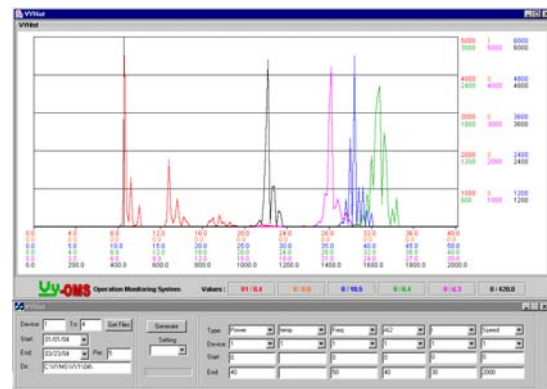
Power Trend of 4 VSDs



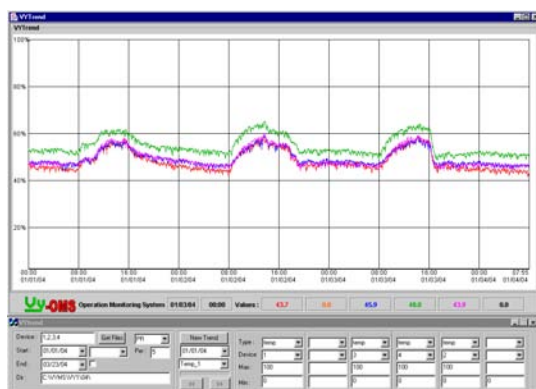
Power Histogram of 4 VSDs



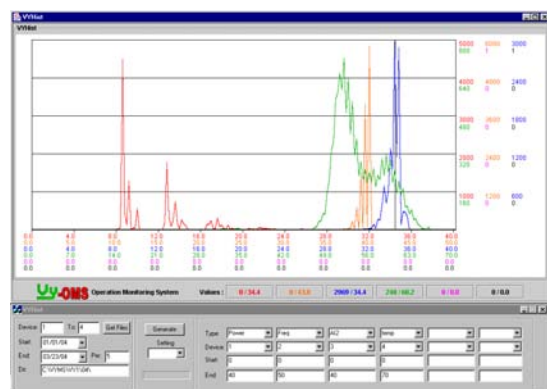
VSD Trends: Frequency (Red), Speed (Orange), Torque (Blue), Power (Green), Pressure (Violet), & Temperature (Black)



VSD Histograms: Power (Red), Temperature (Orange), Frequency (Blue), Pressure (Green), Current (Violet), & Speed (Black)



Temperature Trend of 4 VSDs



VSD1 Power, VSD2 Frequency, VSD3 Pressure & VSD4 Temperature Histograms

More Features:

- Up to 6 parameters (from the same or different VSDs) can be displayed on the same screen
- Flexible start & stop times
- Maximum, Minimum & Average Speed, Frequency, Power, Current, Voltage, Torque, Temperature & Pressure Trends
- Flexible default or user-defined parameter ranges