Perpetua Power - Power Supply Data Collection

Data Driven Engineering			
10242 Mar 2	10269 313.24994 95.578514 0.29431799 1	2009-04-13 11:42:44.000	
10247 Mar 3		2009-04-13 11:42:48.000	
10249 Mar 3	reatures:	2009-04-13 11:42:52.000	
10255 Apr 0		2009-04-13 11:42:57.000	
10261 Apr 8	Automated data acquisition	2009-04-13 11:43:01.000	
10262 Apr 8 10263 Apr 8	·	2009-04-13 11:43:05.000	
10264 Apr 1	 Organized data storage 	2009-04-13 11:43:09.000	
10269 Apr 1 10270 Apr 1		2009-04-13 11:43:13.000	
10271 Apr 1	Engineering analysis	2009-04-13 11:43:17.000	
10272 Apr 1	Engineering analysis	2009-04-13 11:43:21.000	
	Ouantitative feedback for the customer	2009-04-13 11:43:29.000	
Lot id:		2009-04-13 11:43:33 000	
User Id:	jsr 10269 408.67496 406.43436 0.989986 0	2009-04-13 11:43:37 000	
System id:	System id: Valuat		
Station id:	value:	0	
Gun nos:		0	
Gun pos.	• Extends far beyond MicroSoft [®] Excel / Access methods	0	
Begin dt:		0	
End dt:	 Experienced providers, turnkey installation 	0	
Num samp:		0	
Volts avg:	No disruption of existing processes or facilities		
Volte etdev:			
voits staev.	Flat learning curve, reliable operation		
Volts rng:	its mg:		
Refresh Lo Full scope service - acquisition organization analysis and feedback			
Orange Software and the acquisition, organization, analysis and recuback			
WinTech Design, LLC 10269 460.707 765.03784 1.590535 0 2009-04-13 11:44:38.000			
Turner Ass	Diciates, Inc. 10269 455.12863 771.97217 1.645243 0	2009-04-13 11:44:42.000 +	

5/11/2009

1

What is it? Accelerated Process & Product Development







5/11/2009

Data Driven Engineering

How Is Data Used?



Design of Experiments, SPC, Mathematical Modeling



5/11/2009

What Does It Do For You?

Quantitative feedback drives process / product improvements



How Much Does It Cost?*

Full Service option: ~\$2500 first month, +\$500 per month ongoing

- ~\$150 per month DAQ and Server rental (floor PC not included)
- \$1,500 initial installation (complete)
- \$500 initial DOE and SPC application
- \$200 per month DAQ and DBMS support (5days x 9 hours/day)

Lowest Cost option: ~\$1650 first month, +\$150 per month ongoing

- ~\$150 per month DAQ and Server rental
- \$1,500 initial installation (complete)
- User provided PC in process area or lab to host DAQ
- User provided PC to host DBMS Service

*Estimates Only – 32 DAC, 16 DIO, 2 high speed counter typical. Other applications may vary.

Additional Services Available: \$72/hour, time and material, travel

- DAQ extensions, extended program features
- Extended browser functionality. Enterprise DB integration
- Extended DOE/SPC applications beyond initial
- Calibration, transducer application development
- Land line wiring
- Enhanced Data Security, beyond basic capability provided (e.g. 64bit encryption)

Who Does It?



Tom Winslow – M.E., C.S., Data Acquisition, LabView Programming



Dr. John Turner, PhD Physics DOE, SPC, Modeling



Jesse Chaney, MS-CS Data Base, Systems, Networking



Bruce Bricker – M.E. Calibration, Gauge Capability, Mechanical Engineering