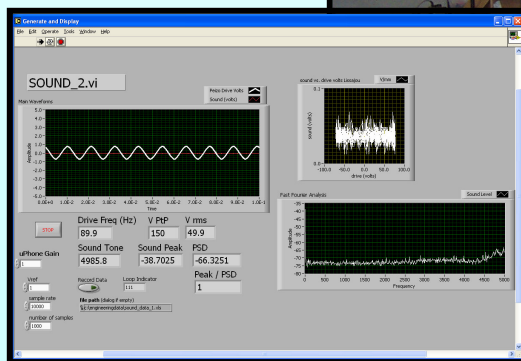
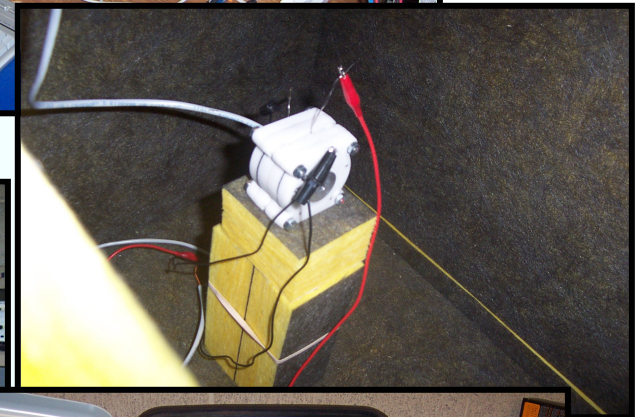
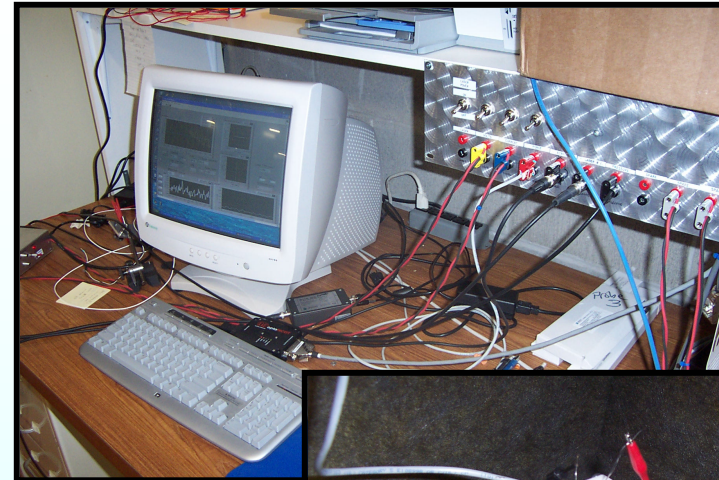
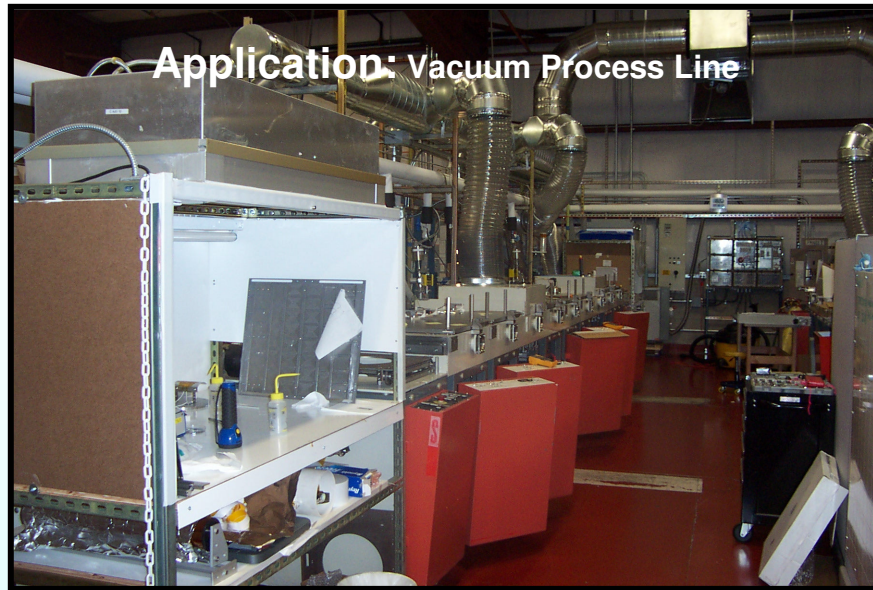


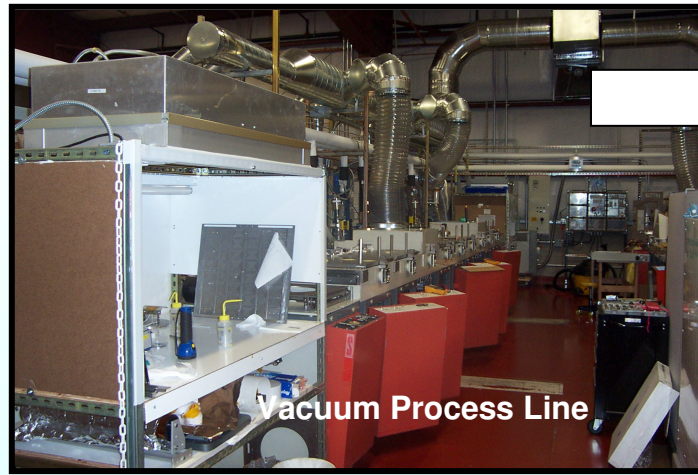
[illegible]

What is it? Accelerated Process & Product Development



How does it work?

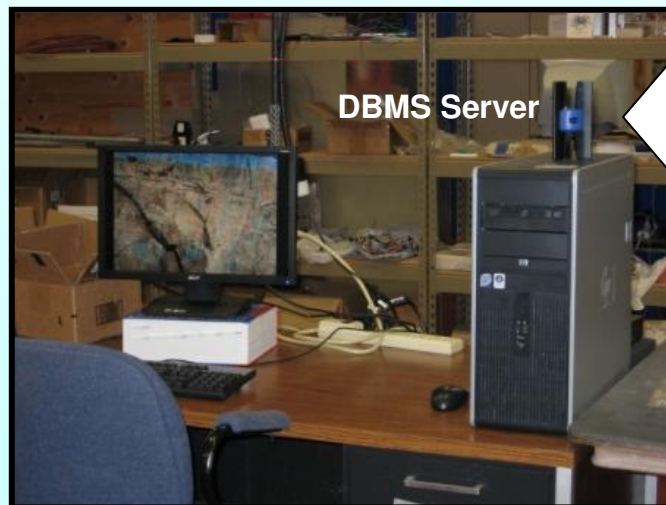
H/W example - Process Development



- Voltage
- Amperage
- Watts
- Event Counts
- Temperature
- Pressure
- Conveyor Speed

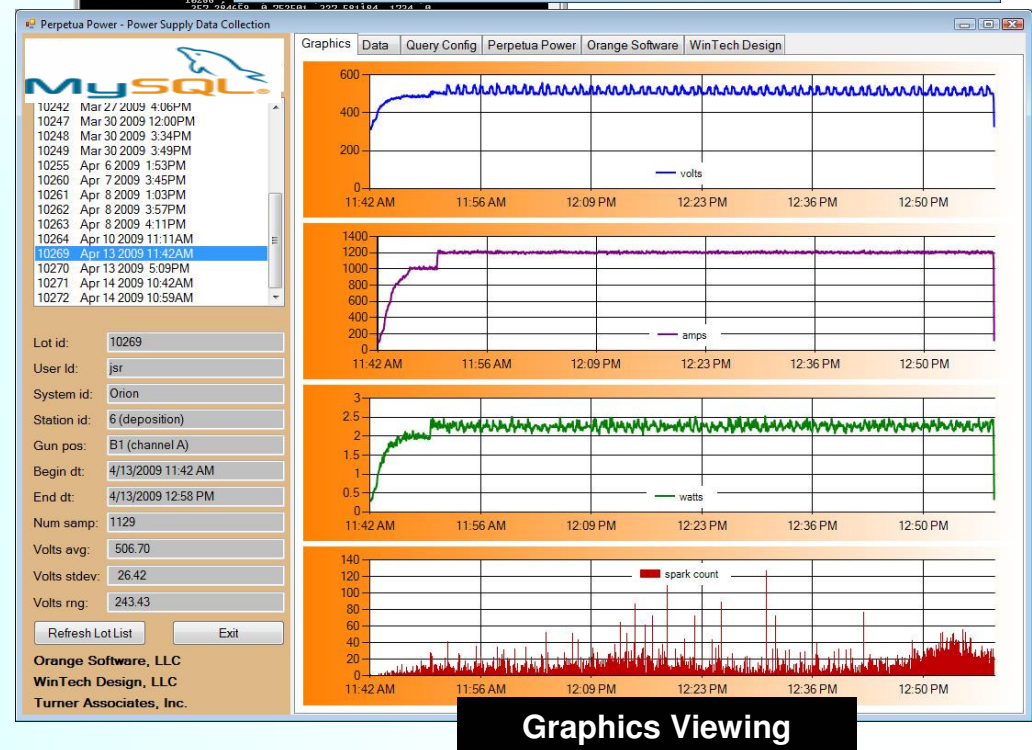
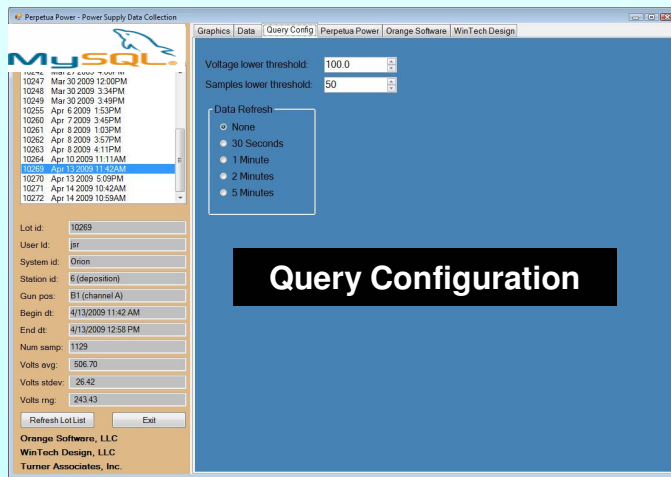
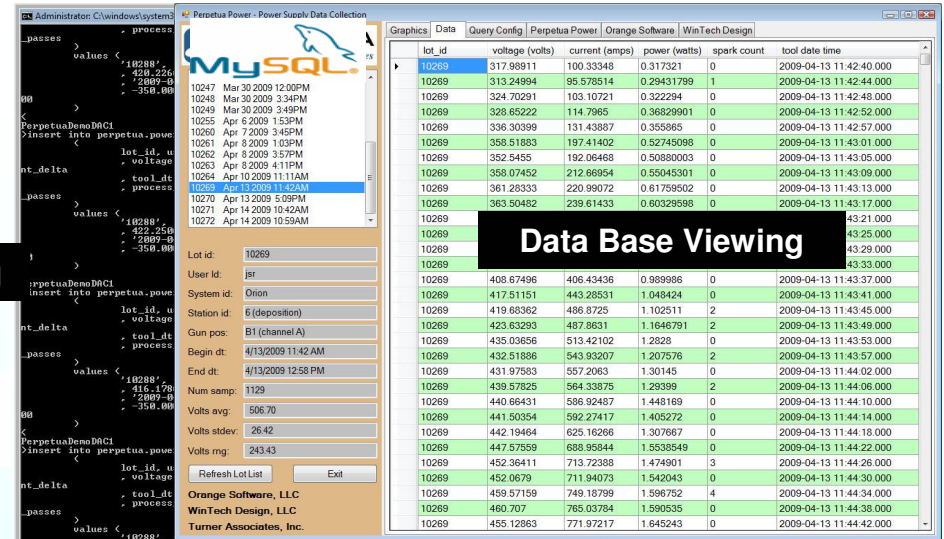
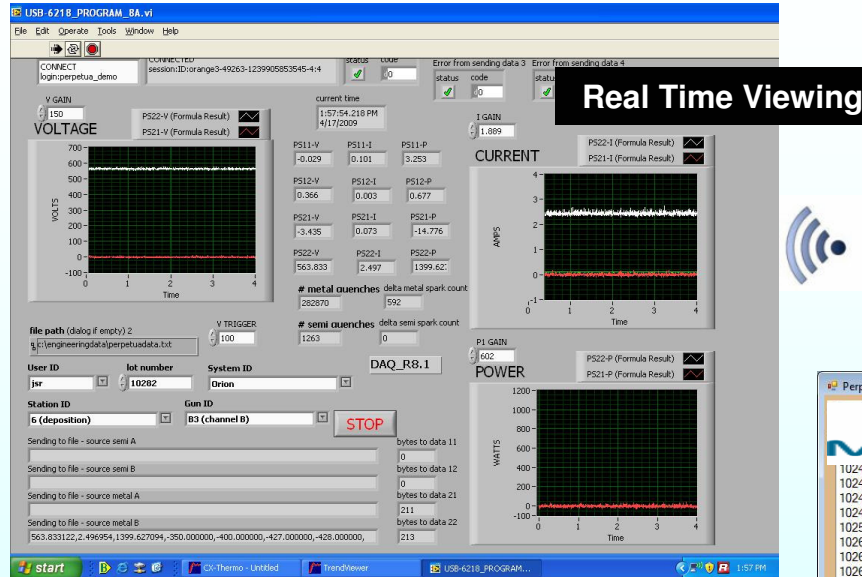


Acquire



How Is Data Managed?

Data flows to, and viewed from Server



5/11/2009

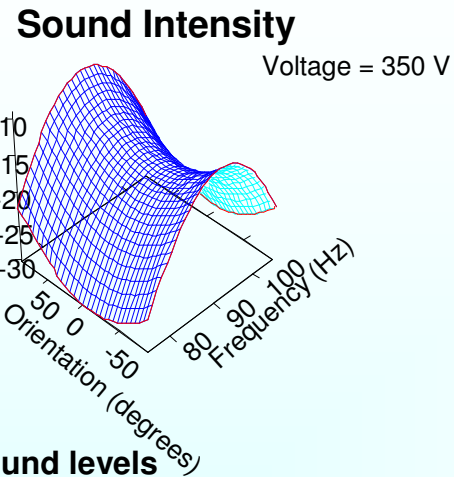
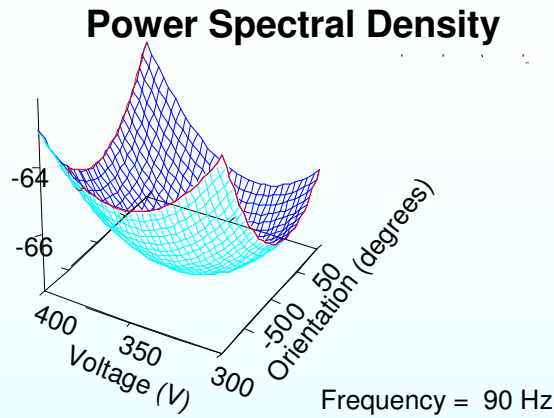
Data Driven Engineering

4

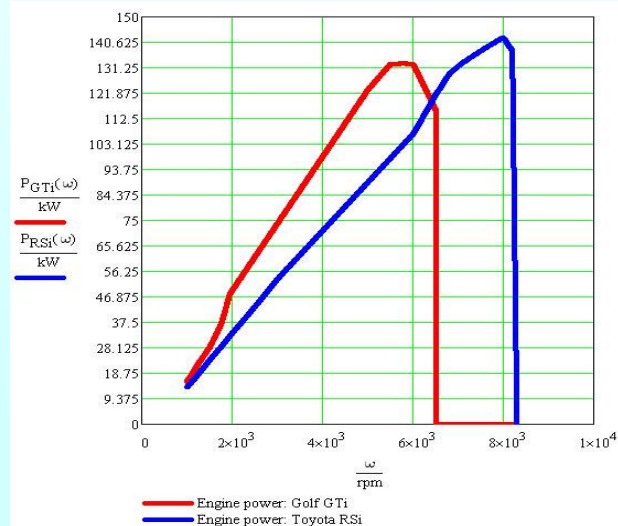
How Is Data Used?



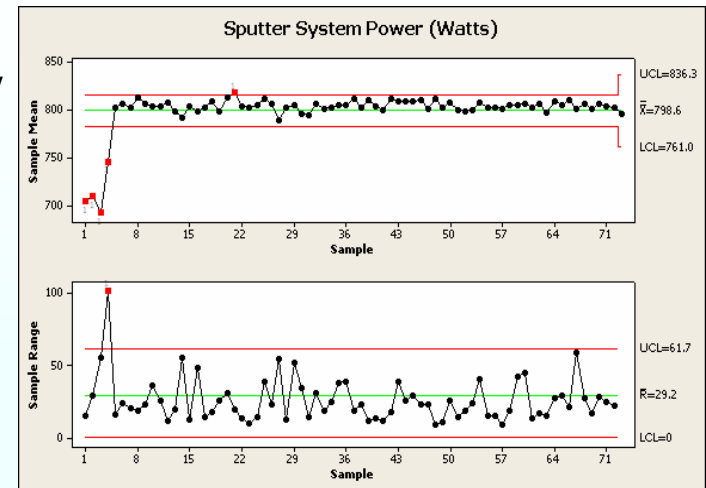
Design of Experiments, SPC,
Mathematical Modeling



3 Factor Analysis of development product sound levels



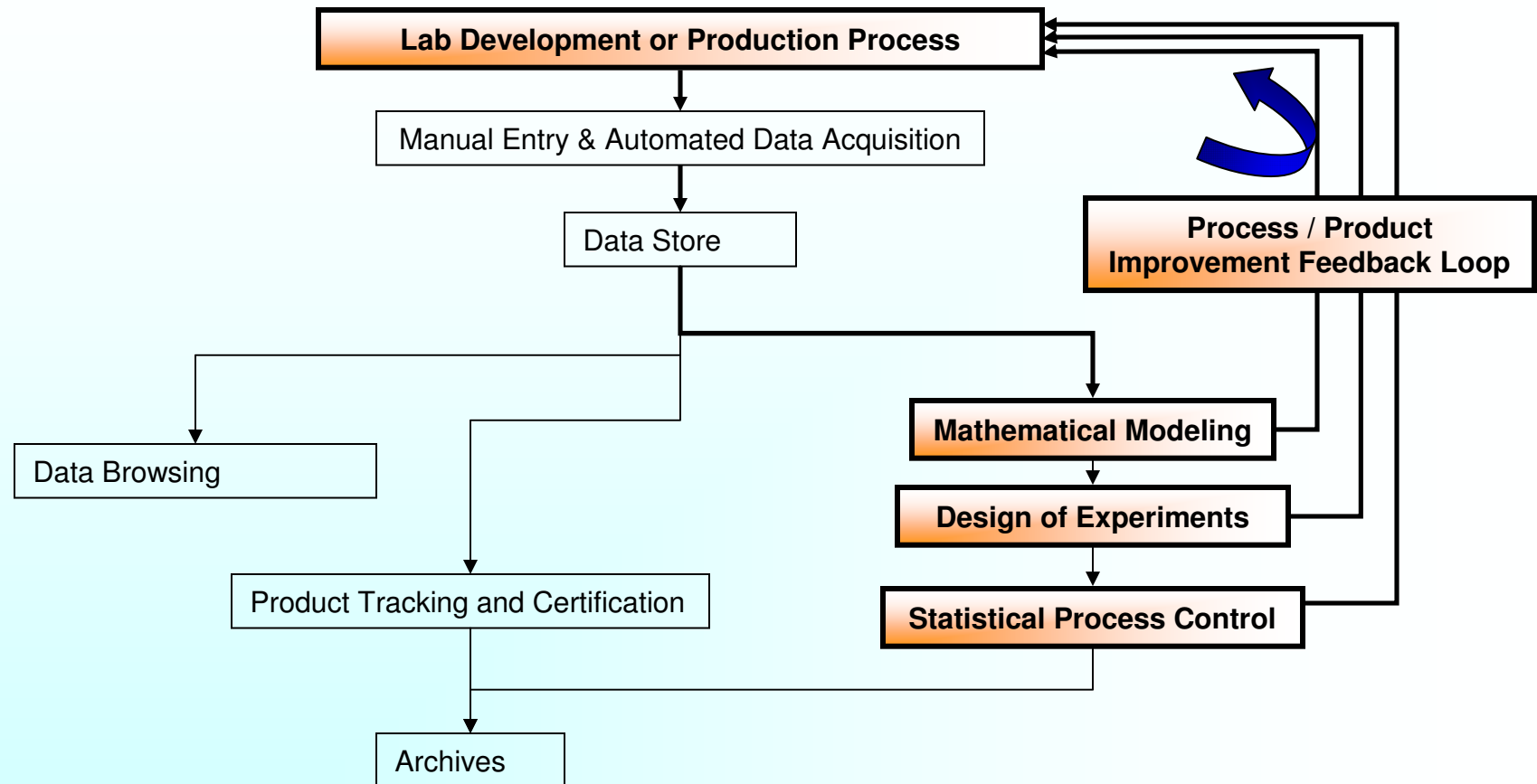
MathCad Data Analysis



Power Supply Power Output Control Chart

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

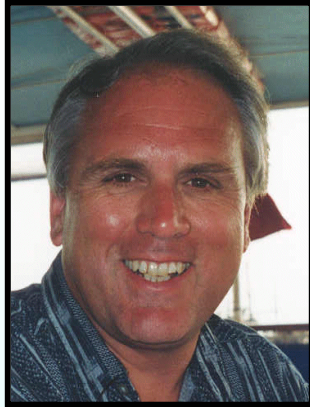
- ~\$150 per month - DAQ and Server rental
- \$1,500 – initial installation (complete)
- User provided PC in process area or lab to host DAQ
- User provided PC to host DBMS Service

*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**