


Who we are:





- **2012** will be 16th year for P3 program
- **Education & Hands-on Internship** for undergraduate environmental/engineering students
- **Assistance** for NE businesses with multi-media pollution prevention and sustainability projects to reduce waste/save \$
- **Measurable Impact** reducing waste, conserving resources, saving \$\$
- **Funding** from US EPA, NDEQ, & participating businesses

Success by the Numbers



- Cost Savings
 - Average = \$8,000/client
- Solid Waste
 - Average = 115,100 lbs/client
- Hazardous Waste
 - Average = 6,800 lbs/client
- Energy Savings
 - Average = 54,300 kWh/client
- Water Conserved
 - Average = 202,000 gallons/client





2005 P3 Intern: Blake Coleman

The Project:


Comprehensive energy assessment

- Improve compressed air use and identify leaks
- Study installing variable frequency drive (VFD) motors on cooling tower fans
- Conduct a cost analysis for sensor controlled lighting in non-production areas
- Address the significant amount of money spent by Molex on electricity each year and decrease the overall amount of fossil fuels used and released to the environment.






MOLEX/BLAKE COLEMAN'S SUCCESSES

Opportunity	Electricity Saved (kWh)	Annual Cost Savings
VFD Fan Motor on Cooling Tower	43,900	\$1,800
Changing Plating Blowoff Nozzles	1,652,000	\$69,200
Reducing Plating Blowoff Pressure 3 psi	133,000	\$5,500
Fixing Air Leaks	648,200	\$27,100
Ultrasonic Detectors in Bathrooms	2,290	\$120
TOTALS	2,480,000	\$103,000



Airlite Plastics

2007 Intern: Blair Debbon

Recommendation	Savings
Replace Open Blowing With Engineered Nozzles	\$65,000 1,700,000 kWh
Add Compressor Controls	\$44,000 1,138,000 kWh
Adjusted Inlet Modulation Valve	\$19,000 491,000 kWh
Fixed Leaks & Drains	\$20,000 519,000 kWh

Pollution Prevention Intern Programs

- Nebraska – UNL Partners in Pollution Prevention
 - Contact Bruce Dvorak; 402.472.3431; bdvorak@unl.edu
- Iowa – IDNR Pollution Prevention Services
 - Contact Jeff Fiagle; 515.281.5353; jeff.fiagle@dnr.iowa.gov
- Kansas – K-State Pollution Prevention Institute
 - Contact David Carter; 800.578.8898; dcarter@k-state.edu
- Missouri – Missouri Environmental Assistance Center (MOEAC)
 - Contact Marie Steinwachs; 573.882.5011; moeac@missouri.edu
- Missouri - Drury University Ozarks Center for Sustainable Solutions
 - Contact Doug Neidigh; 417.873.7641; dneidigh@drury.edu