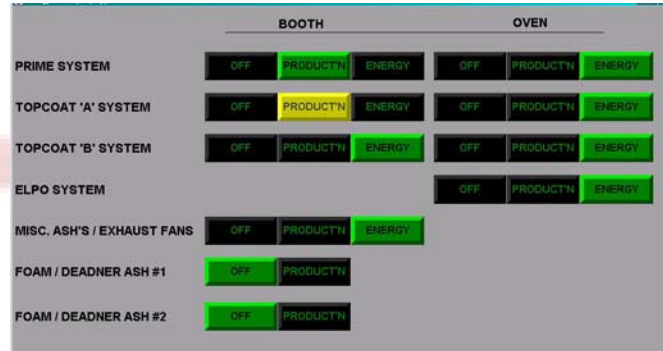
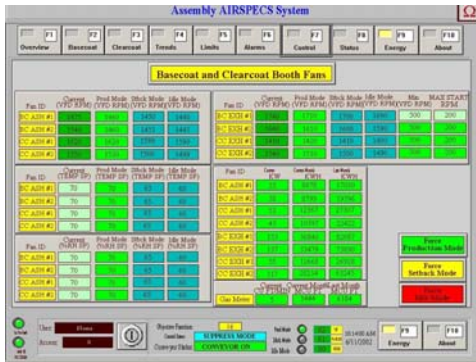


Case History 7 Process Improvement Project – Industrial Paint System



Process Booth: Topcoat and Prime Booths.

Energy Savings Opportunity:

Air Flow Reduction, Temp/RH Reduction, the recirc., and exhaust fans that normally run during production are shutoff and all air is sent to the bypass to atmosphere during the weekend period of Non-Production. During this weekend time period the temperature and relative humidity is reduced. This is now known as “Energy Mode”.

How Implemented:

To implement, software changes to the Wonderware system were made and an additional MODE was established. OMEGA balanced the booth for proper booth pressurization and other supply fans and exhaust fans VFD's and temperature/relative humidity settings were adjusted.

Air flow Reduction:

The reduction of temperature, relative humidity and fan shutdown during weekend time periods.

Implementation Cost: \$14,130 - all implementation costs combined for project

Energy Savings Achieved: \$189,600 annually

Results: Project was approved and implemented.

