ESPC Experience with Work Scope Technologies

NASA Johnson Space Flight Center, Houston, Texas

NASA JSFC is the home of the International Space Station and the Space Shuttle program. The primary mission of the facility is to continue to improve life on Earth through the human enterprise of space exploration.

Technology Highlights

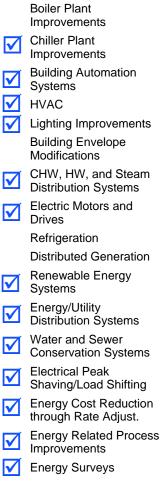
- Installation of Industrial Process Controls
- Installation of a facility-wide energy saving lighting technology including lamps and ballasts
- Water conservation measures including faucet aerators and toilet flush valves retrofits
- Increased performance of maintenance and process tools from improved industrial air compressor system
- Upgraded and extended existing facility-wide automation and monitoring system to DDC control to provide 24-hour monitoring of mechanical systems
- Installation of energy-efficient variable frequency drives on chilled water pumps and cooling towers
- Provide 24-hour maintenance support for all new equipment installed.
- Energy Cost Rate Reduction through negotiations of \$1.4M in natural gas rates & \$1.2M in electricity rates





Program Highlights Total Contract Amount (\$) \$18,400,000 \checkmark Annual Energy Savings (\$/yr.) \$ 1.700.000 Annual Ancillary Savings (\$/yr.) \$ 300.000 **Project Term (years)** 18 Simple Payback (years) 10 **Delivery Orders (#)** 2 awarded, 1 in progress \checkmark Facility Size (sq. ft.) 4,000,000 Number of Buildings More than 140 **Contract Vehicle DoE Central Super ESPC IDIQ** Award Date \checkmark 2/99 $\overline{\mathbf{V}}$ Status Project Completed, Ongoing Maintenance Phase

ESPC Technology Categories



Honeywell

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