



### Service/Product Provider

#### ***The Dome-Tech Group***

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### Industrial Partner

#### ***Schering-Plough***

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### **Dome-Tech's retro-commissioning and recalibration program led to Schering-Plough realizing annual savings of \$450,000.**

#### **Project Scope**

Dome-Tech used a rigorous retro-commissioning process to identify variances between the design energy baseline and the actual performance of a select area of a Schering-Plough laboratory facility. The area contained a lab block with 95 labs and 250 chemical fume hoods, as well as an office block. Dome-Tech identified opportunities for minimizing energy consumption and provided a detailed protocol to ensure sustainability.

#### **Project Summary**

Dome-Tech's retro commissioning of the laboratory facility identified major discrepancies with the calibration of the Building Automation Systems' (BAS) readings for temperature, airflow and static pressure. They also identified opportunities to improve scheduling. To address these issues, Dome-Tech developed several reset strategies, implemented a recalibration program, and adjusted the Air Handling Unit (AHU) operating schedules to more accurately reflect building occupancy.

- **Energy Savings**  
\$450,000 or 4.3MW
- **Investment**  
Approximately \$450,000
- **Financial Return**  
One-year payback
- **Other Benefits**  
Improved reliability and indoor air quality (IAQ), Safety benefits for lab personnel.

#### **Monitoring & Verifying Energy Savings**

By reprogramming the BAS, Dome-Tech and Schering-Plough were able to see immediate results in reduced energy consumption during the off hours. Lower utility bills confirmed the savings.

#### **Distinguishing Value**

Dome-Tech develops good customer relationships. Because of their good faith history, innovative solutions during project discovery are expected and welcomed rather than challenged. Dome-Tech displays expertise that builds trust with the customer and facilitates project implementation. Dome-Tech became a valued resource to the team in resolving technical issues, planning work, and providing an objective process to capture the savings.