The Problem
Buildings have a life cycle that exceeds most use cases. Attempts to keep the building functioning by making changes to systems can leave gaps in knowledge, excessive energy usage, or other unintended consequences. With today’s fast-pace environment, these may be compounded by conflicting space usages in buildings.

The Solution
At Dewberry, we offer a comprehensive solution for facilities that undergo the maintenance of complicated, ever-changing HVAC and electrical systems. We evaluate the current system’s capabilities as compared to the facility’s operational needs. The result is a comprehensive plan to optimize the automation and, if needed, equipment in order to achieve significant energy, operations, and maintenance savings, while delivering a comfortable environment for the building occupants.

As an additional step, we can implement the solution turnkey as design-build or by utilizing the owner’s preferred vendors. The solution can also be open to all competitive vendors through a design-bid-build process.

Our design-build team has decades of experience in troubleshooting, designing, and installing HVAC, electrical, automation, and other building support systems. Our solutions are based on industry standard, open-protocols that are open to multiple vendors, while allowing the utmost flexibility to meet the facility’s future needs.

Benefits
• Replace obsolete or outdated automation components
• Identify, repair, or replace system components (sensors, transmitters, valves, actuators, relays, etc.)
• Update web interface
• Enhance notifications and trending capability
• Sequence of operation review and optimization
• Incorporate updated practices concerning air quality, energy efficiency, etc.
• Re-commission existing systems via functional testing of new control systems
• Update as-built documentation
• Improve occupant comfort, indoor air quality, and operational efficiency
• Train operational staff during functional testing of new control systems
• Reduce maintenance costs

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Experience improved performance of new and existing building systems

What makes your facility a good candidate for automated systems review?
- Failing controls system
- Difficulty finding replacements parts
- Maintenance staff committed to trouble calls rather than preventative maintenance
- Rapid expansion
- High utility bills
- Occupant complaints
- Adding new buildings
- Multiple control vendors and user interfaces
- Centralized alarming
- Centralized command and control
- Operations center
- Energy dashboards
- Historical data
- Predictive maintenance
- Systems optimization

Representative Clients
- Healthcare
- Central energy plants
- Property management
- Municipal
- Commercial
- Federal government
- Industrial
- Higher education
- Laboratories