Russell Profile

Headquartered in Davenport, IA

Core Services:
- Construction
- Development

Value Driven Organization

Community Engagement Focus

YEARS IN BUSINESS
36

EMPLOYEES
150+

STATES WORKED IN
31

REVENUE EXCEEDS
$160 MM
Today's Topics

Assessments: When & Why
Commissioning
Warning Signs of Ineffective Systems
Costs of Ineffective Systems
Common Unplanned Costs
Simple Maintenance Tips
FACILITIES BUILDING ASSESSMENT PURPOSE

- Define Owner's Goals & Objectives
- Develop Current Facilities Conditions & Requirements
- Assess Facility Functionality & Identify Areas of Improvement
Assessments: When & Why

WHEN SHOULD IT BE COMPLETED?

- Now is the time!!
- Information for next steps
- Large project planning
- Tracking system
Recommissioning / On-Going **Commissioning**

**DEFINITION:**

Periodic *mini re-commissioning* of critical systems in a pre-commissioned building.
Recommissioning / On-Going Commissioning

**BENEFITS:**

- Lowers lifecycle cost
- Maintains Owner's current facility requirements
- Promotes communication
- Promotes documentation
DEFINITION:

Commissioning a building that has not been commissioned before.
Retro Commissioning / Existing Building **Commissioning**

**BENEFITS:**
- Optimizes building performance
- Solves comfort and operation problems
- Reduces energy and operation costs
- Operation & Maintenance training
- Improves building documentation
Warning Signs of Ineffective Systems
Warning Signs of Ineffective Systems
Warning Signs of **Ineffective Systems**
Warning Signs of Ineffective Systems
Warning Signs of Ineffective Systems
Costs of Ineffective Systems

- Increased utility costs
- Repair costs
- Unplanned costs take money away from where it was originally intended
Common Unplanned Costs

For Repair and Replacements

- Motors & Controllers: $1,200 - $15,000
- Fan Wheels: $500 - $750
- Coils: $4,500 - $30,000
- Pumps: $750 - $34,500
- Water Heaters: $15,000 - $85,000
Simple Maintenance Tips
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Planning for EFFICIENCY
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Planning for EFFICIENCY

Black Hawk College
Planning for EFFICIENCY
Planning for EFFICIENCY
Thank You!