



University of Iowa New Generator

Delivering Measurable Outcomes that Save Money

Getting a facility, system or process up and running is never easy, and as you integrate complex technologies and controls, the task becomes even more demanding. Stanley Consultants' commissioning services provide a quality assurance process that establishes, verifies and documents the performance of building systems and processes to drive down operational costs through improved performance.

We start the commissioning process during design by establishing an Owner's Project Requirements (OPR), basis of design, construction checklist and initial commissioning plan leading through construction. We establish performance tests, witness startups and testing and follow through to acceptance, training and post-occupancy. Our process bridges the gap between design and construction processes and the operation and maintenance of the facility and systems.

Our commissioning services are carried out by experienced engineers with a comprehensive knowledge of plant and building controls who bring a unique blend of engineering – technician – contracting experience for testing, troubleshooting and problem solving. Our experts include certified Commissioning Authorities who have extensive field-proven commissioning experience that ensures accurate scheduling, improves construction sequence, decreases maintenance, reduces downtime, increases productivity, improves indoor air quality and provides safe operations of systems and equipment.

QUALITY ASSURANCE AT ITS BEST



- » Ensure Optimal System Performance
- » Energy Cost Savings
- » LEED and USGBC Compliance



We offer a variety of commissioning services, including:

- » Commissioning Authority for LEED fundamental commissioning
- » Commissioning for LEED enhanced commissioning
- » Commissioning projects designed by us or other consulting engineers
- » Retro-commissioning
- » Consulting, including energy audits, energy modeling and sustainability

Our web-based commissioning and database-driven management system provides real-time information and a collaborative problem-solving approach. We have commissioned numerous utility plants and over 8 million square feet of building space for industrial, college and university, research laboratories, hospitals, government (including military installations), commercial office and mission critical facilities.

We commission all building and process systems including:

- » Cooling and Heating
- » Air Distribution
- » Plant and Hvac Controls
- » Energy Management
- » Building Automation
- » Fire Detection, Alarm and Suppression
- » Data, Communications and Security
- » Emergency Power
- » On-Site Power Generation
- » Medical Equipment
- » Research Fume Hoods
- » Industrial Process Systems

COMMISSIONING PROCESS

Design Phase

- » Review owner's project requirements document
- » Review Basis of Design (BOD)
- » Develop initial commissioning plan
- » Performance commissioning focused design reviews

Construction Phase

- » Lead construction phase kick-off meeting
- » Review submittals, monitor development of drawings
- » Lead on-going commissioning meetings
- » Develop system readiness checklists and functional performance tests
- » Perform on-going site observations
- » Witness startups and other pre-functional tests

Acceptance Phase

- » Perform installation verification
- » Review O&M manuals
- » Witness functional performance testing
- » Verify and review training of owner's staff
- » Perform diagnostic monitoring (trend analysis)

Post-Occupancy Phase

- » Develop commissioning report and systems manual
- » Resolve outstanding commissioning issues
- » Perform seasonal/deferred testing
- » Perform near warranty-end review



COMMISSIONING EXPERIENCE

Client	Project	Location
Anoka-Ramsey Community College	Studio Arts Classroom Building Commissioning Services	Coon Rapids, MN
Anoka-Ramsey Community College	Courtyard Addition Commissioning Services	Coon Rapids, MN
Bee, LLC	J.J. "Jake" Pickle Federal Building Commissioning	Austin, TX
Confidential Client	Elementary School Commissioning	Japan
Confidential Client	High School Commissioning	Japan
Confidential Client	Building Retrofit Commissioning Studies	VA
Eastern Illinois University	Renewable Energy Center Commissioning Services	Charleston, IL
Facilities Construction Group	Maher Port Lane CEV and Portal UPS Project	Elizabeth, NJ
Illinois State University	South Campus Power Plant Commissioning Services	Normal, IL
Iowa National Guard	Iowa City Readiness Center	Iowa City, IA
Joliet Junior College	15 kV Switchgear Commissioning	Joliet, IL
Joliet Junior College	Building T Chiller Commissioning	Joliet, IL
Joliet Junior College	Cogeneration Commissioning	Joliet, IL
Lake County Facility Operations	HVAC System Commissioning at Central Permit Facility Phase II	Waukegan, IL
Lake County Facility Operations	1 MW Standby Generator Commissioning	Waukegan, IL
Lansing Board of Water and Light	Roy E. Peffley Chilled Water Plant Commissioning Services	Lansing, MI
Mesabi Range Community and Technical College	Lighting Commissioning	Virginia, MN
Metropolitan Water Reclamation District	Calumet New R and D Lab Commissioning	Chicago, IL
Michigan State University	Retro-Commissioning for Owen Graduate Hall	East Lansing, MI
Minnesota State University Moorhead	HVAC Equipment Commissioning Services - Hagen Hall Addition	Moorhead, MN
Northern Arizona University	Wellness Center HVAC System Commissioning	Flagstaff, AZ
Northern Arizona University	Neuroscience Center Remodel Wellness Center	Flagstaff, AZ
Northern Arizona University	Distance Learning Facility	Flagstaff, AZ
Pennsylvania State University	Campus Steam Plant Addition Commissioning Services	University Park, PA
Perini Management Services	U.S. Fish and Wildlife Services Retro-Commissioning Services	Cape Cod, MA
Riverland Community College	HVAC Equipment Commissioning Services	Austin, MN
Riverland Community College	Rooftop Units Replacement Commissioning Services	Albert Lea, MN
Riverland Community College	East Building HVAC Upgrade Commissioning Services	Austin, MN
South Dakota State University	Dairy Manufacturing Plant Addition Commissioning Services	Brookings, SD
Travis County, Texas	Travis County Medical Center Commissioning	Austin, TX
Texas A&M University	Chiller 32 Upgrade Commissioning	College Station, TX
The University of Iowa	Power Plant Electric Flood Recovery Support	Iowa City, IA
University of Michigan	Tunnel Decommission	Ann Arbor, MI
University of Utah	Operating Room Suites Phase 1	Salt Lake City, UT