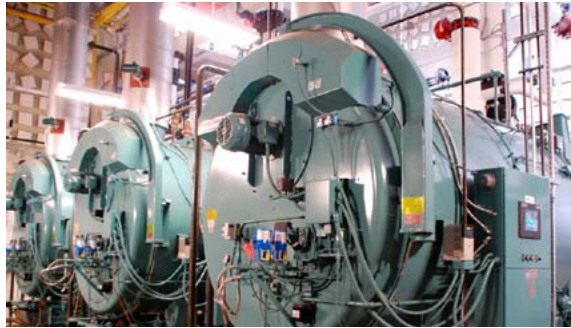


FEATURED PROJECTS



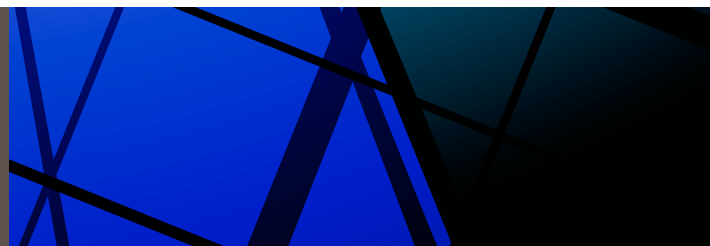
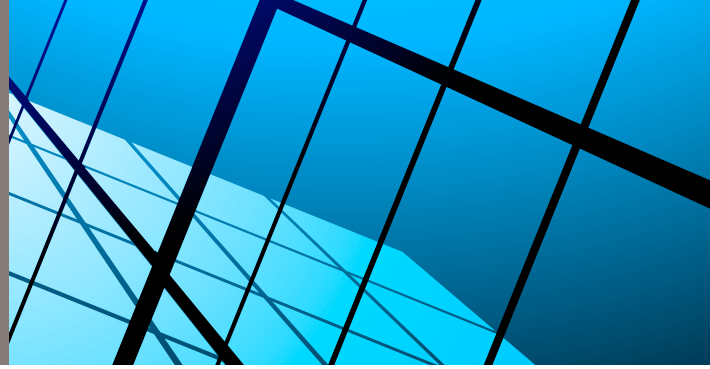
Wilmington Convention Center - Wilmington, NC



Byrne Green Federal Building - Philadelphia, PA



Shirlington Library and Signature Theatre - Arlington, VA



MBP



COMMISSIONING SERVICES

Ensuring Peak Efficiency
with Low Energy & Maintenance Costs

www.mbpce.com

MBP is a multi-disciplined construction consulting firm experienced in assisting clients in managing the construction process from initial budget, through design and construction, to successful project closeout. Established in 1989, MBP is recognized by *Engineering News-Record* as a national Top 100 construction management firm and Top 40 program management firm.

George Mason University
Fairfax, VA



WHAT IS MBP'S COMMISSIONING PROCESS?

Commissioning (Cx) is a quality-oriented systematic process for achieving, verifying, and documenting that the performance of facility systems and assemblies meets defined owner objectives and criteria. This process begins at project inception during the pre-design phase and continues for the life of the facility through the occupancy and operations Phase.

If you are focused on sustainability and quality control, put MBP to work for you!

During the Pre-Design Phase, the Owner's Project Requirements (OPR) are determined and documented by the commissioning team. The Cx team includes the owner, commissioning authority (CxA), designers (A/E), operation and maintenance personnel, occupants, and users. Throughout each phase of the project, drawings, specifications, product and equipment submittals, construction, testing, verification, training, and documentation are verified against the OPR to ensure that the finished facility operates in accordance with the owner's documented project requirements.

Characteristics of Building Projects without the Commissioning Process

- Owner's Project Requirements not clearly defined and documented
- Basis of Design by designers not reviewed with Owner
- Increased energy consumption
- Reduced system quality
- Construction change orders resulting in project cost over-runs
- Inadequate training of owner's operation and maintenance personnel
- Poor documentation
- First year operation issues
- Diminished life cycle
- End user dissatisfaction

South Carroll Senior Community Center
Eldersburg, MD



Benefits of Commissioning for the Owner

- All building systems will function as intended
- Higher productivity of building occupants
- Lower energy costs through the optimization of equipment/system selection and installation operation
- Reduction in change orders – plan review for coordination of systems prior to construction
- Reduced maintenance costs – plan review of systems for maintainability
- Improved as-built documentation
- Improved training of maintenance staff – results in better understanding of the operation/maintenance of systems
- Maximized system life

Benefits for Designers

- Reduction in design errors
- Fewer RFI's – results in higher returns
- Fewer call backs to resolve design problems
- Pre-functional and functional testing of systems leads to fewer operational issues
- Qualifications and reputation of the designer enhanced through satisfied Clients

Benefits for Contractors

- Improved scheduling/coordination among trades
- Improved quality control
- Reduced punchlist and fewer warranty call backs
- Enhanced reputation for project delivery

MBP stands ready to provide you with quality commissioning services on your building project.