

Key Services

System
Commissioning

New Building
Commissioning

Existing Building
Retro-Commissioning

Measurement and
Verification

Commercial and
Industrial Energy
Audits

Facility energy
benchmarking and
utility analysis

Geothermal Heat
pump system analysis
and commissioning

Certifications

LEED AP BD+C

ASHRAE CPMP

ASHRAE BEAP

ASHRAE OPMP

ACG CxA
(Commissioning
Authority)

Lighting Certified (LC)

State Energy Program Qualifications

ComEd RCx Services
Provider

Illinois DECEO RCx
Services Provider and
Design Assistance
Expert

Ameren (IL)
ActOnEnergy Business
Program Ally

(WI) Focus on Energy
Trade Ally

COMMISSIONING, ENERGY EFFICIENCY AND RETRO-COMMISSIONING SERVICES

Multicertified Expert in Sustainable Design and Efficient Building Operations



Michael has 25 years' experience working with clients, design teams, contractors, building operators, and fellow engineers on a wide range of projects providing building system optimization services. He has successfully commissioned over 100 new and existing buildings, and performed energy optimization studies on hundreds more. He has worked on over 90 LEED projects ranging from Certified to Platinum. In addition to commissioning and retro-commissioning services he offers solutions to reduce operation and maintenance costs by

providing energy auditing services, rate analyses, and specialized HVAC analyses. As an ASHRAE Certified Commissioning Process Management Provider (CPMP) and Certified Commissioning Authority (CxA) he has the proven ability and experience in providing commissioning services as well as managing the commissioning process performed by other commissioning providers. As an ASHRAE Certified Building Energy Assessment Professional (BEAP) and Operations and Performance Management Professional (OPMP) he has the proven ability and experience of providing comprehensive operations and maintenance cost reduction solutions to building owners.

Michael is 1990 graduate of the Milwaukee School of Engineering (BS MET) and a veteran of the Iraq war where he served as the in theater Chief of Engineering for base reconstruction. CERx Solutions LLC is a verified Veteran Owned Small Business. Prior to forming his own commissioning and energy solutions company he worked for 8 years at an energy services consulting firm where as Technical Director he lead the Energy Efficiency Team and formed and led the New Building Commissioning and Existing Building Retro-Commissioning teams. For 14 years prior, Michael served Exelon Corporation at multiple positions in the Fortune 200 energy company's marketing and technical services departments providing energy consulting, commissioning, and energy efficiency services to commercial and industrial clients. Michael is an instructor for the Building Operator Certification (BOC) program where he teaches building facility managers and engineers throughout the Midwest.

Professional Affiliations

ASHRAE: Past President-Illinois Chapter American Society of Heating Refrigeration and Air Conditioning Engineers
Member Chapter Technology Transfer Committee
Voting Member and Programs Chair TC 6.8-Geothermal Systems
Corresponding member-various other technical committees

USGBC: Member- US Green Building Council Chicago and Fox Valley Chapters

BCA: Member-Building Commissioning Association. Midwest Region Chapter Member

ACG: Associated Air Balance Council Commissioning Group (ACG) Member

Notable Clients / Commissioning Projects

Related Midwest	340 On the Park, High Rise Condominium, Chicago, IL
Columbia College	Media Production Facility, Classroom Facility, Chicago, IL
Illinois College	Lincoln Hall Dormitory, Jacksonville, IL
Latin School, Chicago	Middle School, LEED Commissioning, Chicago, IL
North Central College	159,000 SF Dormitory/Indoor Sports Facility, LEED Commissioning, Naperville, IL
AMLI Residential	AMLI Evanston, AMLI River North and AMLI Lofts High/Mid Rise Apartments, Chicago, IL
WMS Gaming	WMS Gaming Corporate Headquarters, Chicago, IL
MB Real Estate	2550 Lakeview, High Rise Condominium, Chicago, IL
Access Living	Access Living HQ, Office Building, Chicago, IL
University of Illinois	U of I Commissioning Program Development, Champaign, IL
Navy Pier	Navy Pier (IL) Family Pavilion Interior Renovation Project
Western Illinois University	Multicultural Center, Macomb, IL
Citibank	Branch Bank Facilities, Multiple Branches-Illinois
Village of Bolingbrook	Fountaindale Public Library, Bolingbrook, IL
Cook County Forest Preserve	Little Red School House & Camp Sagawau, Nature Learning Centers, Cook Co, IL
2550 N. Lakeview	High Rise apartment complex, Chicago, IL
Wirtz Realty	Wirtz Beverage Distribution Center, distribution and refrigerated warehouse, Cicero, IL
Springbrook Prairie	Springbrook Prairie Center, Mall Complex, Naperville, IL
City of Chicago	Federal Express Distribution Center- O'Hare Airport, Chicago, IL
APJV/ US Army Corp of Engineers	Homewood (IL) Army Reserve Center, Ft. Sheridan Army Reserve Center (IL)
New Hall Dist. # 520	New Hall High School, Spring Valley IL
McShane Construction	Golden State Foods, McCook IL
Goodwill	Goodwill Retail Stores Carpentersville, IL, Yorkville, IL
Buro Happold Engineers	Method Home Factory, Chicago IL

Notable Clients / Retro-Commissioning Projects

MacMurray College	MacMurray College, Jacksonville IL, Classroom Building	chiller, boiler, VAV, AHUs
IKEA	IKEA Bolingbrook (IL) retail stores	RTU, CAV, VAV, unitary split, lighting
IKEA	IKEA Schaumburg (IL) retail stores	RTU, CAV, VAV, unitary split, lighting, ice storage
IKEA	IKEA North American Service Center (US Corporate HQ)	RTU, VAV, terminal air, lighting
City of Decatur	City of Decatur (IL) Civic Center: (Ice Rink / Office Building, Exhibition Hall)	Chillers, VAV, refrigeration system
Western Illinois University	Multiple buildings on campus. Dormitories, Science Buildings, Recreation Center, Classroom Buildings, Multi-use facilities	(Electric) chillers, absorption chillers, RTU, CAV, VAV, unitary split, multi-zone, dual duct, pumping, misc other Chillers, VAV, CAV, split systems, unitary
West Aurora High School	West Aurora High School, Aurora IL	Chillers, VAV, CAV, split systems, unitary
Consolidated School District 15 (IL)	Sundling Middle School, Plum Grove Middle School, Winston Campus Middle School / Grammar School	AHU, multizone, dual duct, CAV, pumps, boilers, RTU's, DHW, chillers
Colin Powell Middle School	Colin Powell Middle School, Matheson (IL)	geothermal heat pump, AHUs, RTUs