

Learning Environment Enhancement

There are many new phrases in the building industry today, such as; **sustainability, green buildings, high-performance buildings, shovel ready projects, economic stimulus package etc.** Baker Group is an Iowa based multi-divisional specialty contractor that, for over 45 years, has been helping facility owners build and operate their buildings with a focus on comfort and energy efficiency. We have seen many changes in the technical nature of buildings over the years and are committed to helping you through today's new needs and challenges.

Facility Improvement Services

Baker Group helps K-12 Schools, Colleges, and Universities:

- Improve Sustainability - Go GREEN
- Reduce Operating Costs
- Improve Indoor Air Quality
- Improve Comfort and Safety
- Enhance Learning Environment
- Reduce Downtime
- Extend Equipment Life Expectancy
- Control Utility Expenses
- Identify Project Funding Sources



We are your resource for engineering design, construction management, installation and service. Educational organizations choose Baker Group for:

- Heating Systems
- Temperature Controls
- Indoor Air Quality
- Security Access Control
- Benchmarking
- Facility Improvement Master Planning
- Air Conditioning
- Energy Management
- CCTV & Video Recording
- 24/7 Service Support
- Re-Commissioning



Portfolio



For more information about Baker Group's **Facility Improvement Services**, and to show you what we can do, please contact us:

Long distance: 800.262.5565

Phone Number: 515.262.4000

Fax Number: 515.266.1025

Email: info@thebakergroup.com



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Des Moines, IA 50317- 4508
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Baker Group Services

Mechanical Capabilities:

Boiler Installation & Service
Chiller / Cooling Tower Installation & Service
Autoclave Installation & Repairs
ASME Code Pressure Vessel Repair
NBBI "R" Stamp for Pressure Retaining Items
ASME "PP" Power Piping Stamp
Power House Piping
Process Piping
Stainless Steel Piping
Medical Gas Piping
Underground Piping and Utility
Hydraulic Systems
Water Conditioning
Plumbing Systems
HVAC Systems
Refrigeration
Compressed Air Systems
Computerized Plasma Pipe Cutter

Sheet Metal Capabilities:

Specialty Metal Fabrication
Heating, Cooling & Ventilation
Architectural Sheet Metal
Dust Collection / Filtration Systems
Kitchen & Food Prep Surfaces
Product Conveying
Custom Machine Guards
Smoke Stacks and Boiler Stacks
Combustion Air Systems
Generator Exhaust
Damper Installation & Repair
AutoCAD Connected 20' Plasma Table
AutoCAD Connected Duct Machine

Temperature & Process Controls:

Specialized Turnkey Systems Integration:
- Industrial PLC/HVAC/Security/Fire/Energy
Digital Temperature Control System Installation
PLC Installation & Programming
SCADA (System Control and Data Acquisition)
Variable Speed Drives
Temperature & Pressure Transmitter Installation
Pneumatic Control Systems
Boiler Sequencing & Control Wiring
Lighting Upgrade & Control
Real-time Energy Monitoring & Control
Refrigerant Monitoring – Leak Reporting
Internet Based Monitoring & Control Systems

Security and Fire Alarm Systems:

Closed Circuit TV
Digital Video Recording
Card Access / Biometric Systems
Network IP Addressable Hardware
Photo ID Badging Systems
Vendor / Visitor Activity Tracking
Perimeter Monitoring & Control
Parking Lot Gate Controls
Parking Revenue Equipment
Burglary Systems with Wireless Options
Fire Alarm System Design and Install
Fire Alarm Service and Inspections

Engineering Services:

Design / Build Mechanical Engineering
AutoCAD 3-D Design & Documentation
Building Information Modeling (BIM)
USGBC LEED® – Accredited Professionals
Specialized Regulatory Commissioning
Energy Use Analysis – Performance Contracting
Indoor Air Quality Analysis
Air Balancing – Active Pressurization Control
Hydronic Balancing / Flow Calibrations
Refrigerant Management & Replacement
Thermal Process Troubleshooting
Custom Environmental Chamber Design
Facility Improvement Master Planning

Predictive Maintenance & Repair Services:

Vibration Analysis
Laser Shaft Alignment
Dynamic Machine Balancing
Meg-Ohm Motor Winding Testing
Microlog Motor Condition Analysis
Compressor Maintenance & Repair
Equipment Start Up / Baseline Establishment
for Pumps, AHU's, Chillers, Conveyors
Electrical Power Monitoring Systems
Infrared Thermography Analysis
Ultra-sonic Gas Leak Detection
Combustion Efficiency Analysis
Back Flow Testing and Certification
Water Treatment
Chiller Maintenance & Rebuilding
Scheduled Preventive Maintenance
Building Operations Staffing
Computerized Maintenance Management
Flat Fee Comprehensive Service Program

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