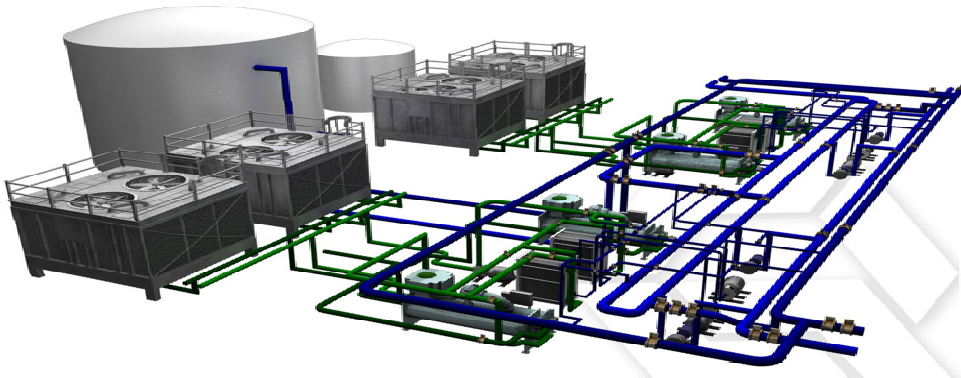


# Commissioning Services

Retro-Commissioning, Continuous Commissioning



Reduce O&M costs,  
enhance asset lifecycle and  
improve employee productivity

## The Challenge.

The Department of Defense contacted Pundir Group to Retro-commission several high-energy consuming facilities at an aging campus that included: a data center, classrooms, office buildings and a library. The equipment experienced frequent breakdowns and provided poor climate control.

## The Approach.

Pundir Group conducted a systematic and detailed examination of mechanical systems and operations to assess whether they were operating as intended. Data was collected on energy consumption and usage analysis, compared to industry standards (for benchmarking), and a series of interviews were conducted with the facility staff to assess comfort and other human interface issues.

## Findings and Recommendations.

The findings from the analysis revealed there were significant inefficiencies in the sequencing of chillers and air handling units. Also, leaky valves and poor insulation on heat exchangers, steam and hot water lines were negatively affecting both environmental comfort and raising energy costs.

## FINAL RESULTS

**Pundir Group's provided actionable recommendations, assisted in implementation and provided a smooth hand-off. Subsequently, the facilities achieved annual energy savings of over 20%, and eliminated over 280 metric tons equivalent of CO<sub>2</sub> while significantly improving occupant comfort and productivity.**

## Services

- Building Commissioning
- Energy Benchmarking & Audits
- Facility Condition Assessments
- Budgeting and Forecasting
- Customized Data Analytics

## Staff Differentiators

- 45+ Years of Experience
- Licensed Professional Engineers
- Commissioning Certifications
- Performance-Based Processes
- Integrated Solutions Teams
- Client Relationship Management
- Strategic Mix of Technology and Business

## Pundir Group's Clients:

- Make informed, data-driven decisions
- Reduce O&M and energy costs
- Improve occupant comfort and productivity
- Minimize unexpected breakdowns
- Enhance equipment lifecycle
- Augment in-house O&M and Engineering staff expertise
- Comply with federal, state and local ordinances

## Past Performance

- W9132T-17-P-0030 (US Army)
- N00189-17-P-Q006 (US Navy)
- GS-11-P-15-YE-C-7001\*

## NAICS Codes

541519: IT Value Added Resellers  
541511: Computer Programming  
541350: Building Inspection Services  
541620: Environmental Consulting  
541611: Admin Management and Consulting Services

\* Subcontractor



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