



Industrial

CEMS Engineering | Architecture offers a comprehensive range of design solutions to satisfy even the most diverse industrial program requirements. From concept to completion, this team of planning, design, and construction experts works with clients to make visions become reality.

Our philosophy of a holistic, collaborative, and integrated approach brings together all the necessary disciplines from the beginning to the end of a successful project. The CEMS office is viewed as a “communal workroom” for the collaborative efforts of all team members including the client, contractor, and consultants. An aesthetically pleasing exterior, attractive interior, functional floor plan, and a thoughtful combination of building systems are the cornerstones of a quality facility.

CEMS develops designs that incorporate cost-effective solutions, while addressing sustainable architecture and engineering practices that are good for both the client and the community.

Services Include:

- + Architecture
- + Structural Engineering
- + Civil Engineering
- + Mechanical Engineering
- + Electrical Engineering
- + Fire Protection Engineering
- + Commissioning Services
- + Landscape Design
- + LEED Consultation
- + Master planning
- + Program management
- + Facility and project programming
- + Request for Proposal (RFP) development
- + Space planning and utilization studies
- + Site planning and analysis
- + Feasibility Studies
- + Building permit drawings
- + Code review/consultation

CEMS Engineering, Inc.

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Trumpf Manufacturing Office Building & Warehouse Charleston, SC

CEMS provided mechanical, electrical and structural services for this pre-engineered 42,000-square-foot, state of the art structure, which included a warehouse, loading docks, showroom, and corporate offices for Trumpf Medical Systems, located on a 2.5-acre marshfront site in Cainhoy Park. The building was designed to accommodate future growth in mind, allowing it be expandable up to 49,000 sf.



Cummings Diesel Manufacturing Plant North Charleston, SC

CEMS Engineering provided mechanical, electrical and plumbing services for this two phase warehouse complex development to provide two 100,000 SF pre-engineered metal building warehouses. Warehouses were designed for future expansion and division of separate rental spaces.



TBC Distribution Foreign Trading Zone Summerville, SC

CEMS performed enhanced commissioning on this 1.1 million SF Distribution Center located in Summerville, SC. This was based on LEED 3.0, which included performing a design review of the construction drawings and specifications. The EnCxA reviewed all documentation produced by the fundamental CxA, including the commissioning plan, commissioning report, pre-functional and functional tests, owner's project requirements (OPR), and the basis of design (BOD). At the time of Commissioning, the TBC Distribution Center is the World's Largest LEED Gold Building.



GE Healthcare Helium Recovery Florence, SC

CEMS provided complete architecture and engineering design services for GE Healthcare (GEHC) for a 5,850 SF special-purpose building and related design services to house a helium gas recovery system and helium gas liquefier system.