EPC SERVICES
Process Technologies
AECOM provided EPC services to Southern Mississippi Electric Power Association (SMEPA) for a major environmental upgrade to modernize its emissions controls at the R.D. Morrow Generating Station near Hattiesburg, MS.

AECOM has been serving our clients for decades as a leading provider of engineering, procurement and construction services in the power, water/wastewater, oil and gas, and other heavy industrial sectors. Across all components of the project cycle—pre-project planning (i.e., FEED) studies, design, build, finance, and operate—we are uniquely positioned to deliver a differentiated service, working globally and delivering locally. As a trusted partner, we draw together teams of engineers, planners, architects, landscape architects, project and program managers, environmental specialists, economists, scientists, cost and schedule specialists, consultants, procurement specialists, and construction specialists—all dedicated to finding the most innovative and appropriate solutions for clients. Whether we serve clients at one phase of the project lifecycle or throughout it, our role is to apply creative vision, technical expertise, interdisciplinary insight, and local experience to address complex challenges in new and better ways.

Pull Planning

AECOM’s success in project delivery results from our focus on aligning the project activities with our client’s goals. This alignment happens through extensive pre-project planning activities that begin each of our projects. The primary pre-planning activity consists of a “pull planning” session with AECOM and client participation. Through this session, the team develops the overall roadmap for the project, illustrating how the key activities and milestones will fit together to meet the project objectives. The roadmap evolves into a project work plan and schedule, providing a clear vision of the path to project success.

AECOM delivers full EPC services that improve performance and meet client goals.

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Engineering

AECOM’s engineering services range from master planning, project/program management, subject matter expertise (SME) consulting, front end engineering design (FEED) through detailed design of Issued For Construction packages. AECOM’s toolkit for engineering services leverages the latest technologies and engineering analytical capabilities including:

- CFX computational fluid dynamics (CFD) engineering
- Hysys/ASPEN process simulations
- Plant 3D design platforms
- Laser scan “as-builts” of existing facilities

Consistent with our Lean Execution approach, AECOM understands the importance of our services being tailored for our clients. Through side-by-side planning and collaborating with our clients, we strive to streamline every project’s work products and adapt our framework to seamlessly incorporate client standards, specifications and preferences, avoiding inefficient “one size fits all” approaches.

AECOM is committed to delivering the highest quality product on all its assignments. We are an ISO 9001:2000 certified firm and implement our Quality Management System (QMS) on all projects. The QMS contains detailed documentation on quality procedures in addition to instructions and forms that every project team must use while performing QA/QC reviews.

AECOM has instilled in our staff a philosophy of quality as an ongoing work performance process rather than an isolated activity that occurs only at predetermined intervals. This process includes the following:

- Project Execution Plan (PXP) – AECOM prepares a PXP customized with information specific to the project and client to align the staff with the project goals and requirements.
- Multi-Step Quality Process – AECOM employs a multi-step QA/QC process including discipline detail checks, intra-discipline reviews and independent technical review (ITR) prior to submission to verify the quality and integrity being delivered to our clients.
AECOM'S INTEGRATED EPC SERVICES

1. FEED Study/Cost Estimating
2. Project Pre-Planning/Value Engineering
3. Detailed Engineering and Design/Constructability Reviews
4. Procurement
5. Construction/Construction Management
6. Startup/Commissioning/O&M

- QA/QC Control
- Health and Safety Management
- Technical Resources
- Project Controls
- Project Management

HEALTH AND SAFETY • QUALITY • SUSTAINABILITY

FLEXIBLE EPC SERVICES
- UNION AND NON-UNION CONSTRUCTION LABOR
- FLEXIBLE CONTRACTING MECHANISMS (FIRM FIXED PRICE, TIME & MATERIALS, AND COST PLUS)
- GUARANTEES
- RISK MANAGEMENT
AECOM provided EPC services at a refinery in Cheyenne, WY to design and install a 3500’ conveyance line that tied the refinery’s wastewater treatment system effluent to the city sewer.

Procurement
AECOM offers the full range of in-house procurement services, including supplier/subcontractor pre-qualification, prime agreement review and flow-downs to suppliers and subcontractors, issuance of request for quotations (RFQ), commercial and technical bid reviews and bid tab preparation, purchase order and subcontract preparation and issuance, submittal and invoice tracking, supplier expediting, and vendor surveillance. Our procurement professionals have the work process framework to efficiently serve clients both in the private sector as well as federal services complying with Federal Acquisition Regulations (FAR) procedures.

Representative Services:
- Global sourcing
- Purchasing and expediting
- Integrated supply chain management and logistics optimization
- Subcontracting
- Materials management
- Procurement auditing
- Supplier performance evaluations

Project Management
AECOM employs a project management methodology that is highly successful and embodies certain organizational principles, repeatedly used as keystones to achieve a fully integrated effort that meets standards of quality, adheres to cost estimates and schedules, and attains client acceptance. These principles include:
- Establishing clear lines of communication, responsibility, and authority
- Using uniform means of collecting and disseminating information
- Establishing and maintaining realistic baselines, cost estimates, and schedules—against which performance can be measured
- Promoting the use of standardized and disciplined work practices for all project participants and verifying compliance with these practices
- Assigning personnel with proven leadership and experience whose first priority is to the project
- Satisfying the technical, cost, and schedule requirements of the project
Construction and Construction Management

AECOM’s construction services experts provide clients with an extensive range of pre-construction and construction-related services and solutions for projects of varying scope, budget, schedule, and complexity. As a project progresses—or increases in complexity—we customize our services to fit each client’s unique needs and requirements. Our suite of services covers every aspect of a client’s project, from design to completion.

Representative Services:
- Constructability reviews
- Value engineering
- Cost estimating
- Scheduling
- Sustainability strategizing and implementation
- Bid package preparation
- Procurement
- Document control
- Bid evaluation
- Field supervision
- Safety programs
- QA/QC
- Cost control
- Closeout and warranty procedures
- Building commissioning
- Logistics planning
- Materials and equipment receiving and reporting
- Field engineering
- Estimating
- Startup and commissioning
Health and Safety Excellence

AECOM places the highest priority on the protection of safety and health of our employees, contractors, and stakeholders. Our safety culture is rooted in behavioral-based safety, both on and off the job, to ensure our safe habits achieve our safety goals. We achieve sustainable safety excellence by commitment through the entire organization, from our CEO through our field teams through:

**Leadership Commitment.** Safety is the foundation of how we work in the field, at our project sites, and in our offices.

**Behavior-Based Safety.** Our culture is rooted in a behavior-based safety program, both on and off the job.

**Training.** Safety and quality training are delivered starting on the first day of employment, then reassessed and renewed annually.

**Continuous Improvement Driven by Results-Oriented Leadership.** Our recordable incident rates have declined steadily, even as our company has grown, diversified its services, and increased its geographic reach.

About AECOM

AECOM is built to deliver a better world. We design, build, finance and operate infrastructure assets for governments, businesses and organizations in more than 150 countries. As a fully integrated firm, we connect knowledge and experience across our global network of experts to help clients solve their most complex challenges. From high-performance buildings and infrastructure, to resilient communities and environments, to stable and secure nations, our work is transformative, differentiated and vital. A Fortune 500 firm, AECOM had revenue of approximately $18.2 billion during fiscal year 2017. See how we deliver what others can only imagine at aecom.com and @AECOM.

For More Information Contact:

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