

AMEC Services Provider

- Technical Office
- Third Party (Review & Stamp)
- Tendering Support
- Reports
- Claims
- As-built
- Civil Defense Solution
- BIM
- Project Management
- CFD analysis
- Load Certification
- Completion Certification
- Client Rep.



Art Mark Engineering Consultant

AMEC Services Provider

Technical Office

1. Design & Engineering

Shop Drawing Production: Creating detailed, fabrication-ready plans

2. Quantity Surveying (QS) & Cost Estimation

Material Take-Offs (MTO): Calculating the precise amount of materials (steel, concrete, piping) required for procurement.

Bill of Quantities (BOQ): Preparing detailed itemized lists of materials, parts, and labor for budgeting.

Cost Estimation & Pricing: Forecasting the financial requirements for direct and indirect project costs.

Engineering Tracks +3

5. Quality Assurance & Control (QA/QC)

Document Control: Managing transmittals, RFIs (Requests for Information), and maintaining updated project logs.

Submittals: Processing material and drawing submittals to ensure they meet consultant approvals.

Compliance Checks: Ensuring all ongoing site work rigorously adheres to local regulatory standards.

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AMEC
Services ProviderThird Party
(Review & Stamp)

Design Verification & Modification: Reviewing structural and architectural plans for constructability and compliance with local building codes.

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AMEC
Services Provider Tendering Support**Tendering & Procurement**

Tender Document Preparation: Drafting technical specifications, scopes of work, and bid packages to solicit contractor quotes.

Bid Evaluation: Analyzing and comparing technical and financial proposals from subcontractors and suppliers.

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Feasibility Reports: Assess the viability of a proposed project, covering site conditions, economics, and risk factors.

Geotechnical & Site Investigation Reports: Detail soil conditions, foundation recommendations, and geological hazards.

Design & Concept Reports: Present schematic and detailed drawings, architectural layouts, and structural specifications (e.g., DC1 & DC2 stages).

Project Management/Supervision Reports: Track ongoing budgets, schedules, and quality assurance during construction.

Snagging/Defect Reports: List minor faults, finishing errors, or incomplete work prior to client handover.

CTC Reports: List minor Cost , Time work prior to client handover.

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As-built

AS-BUILT
DRAWINGS

As-Built Drawings: Documenting all site modifications to produce the final, operational blueprints upon project completion.
Engineering Tracks +2



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Project Planning & Management

Scheduling: Developing critical path timelines using project management tools.

Variation Orders (VO): Tracking, documenting, and pricing changes or additions to the original project scope.

Method Statements: Writing detailed step-by-step procedures outlining how specific construction tasks will be safely and efficiently executed.



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Claims

1. Construction & Contract Claims

Schedule Delay Analysis:

Loss of Productivity Analysis:

Variation & Change Order Valuation:

Quantum/Damages Analysis:

Dispute Resolution & Arbitration:

2. Forensic Engineering & Insurance Adjusting

Origin and Cause Investigations:

Defects & Latent Damage:

Machinery & Equipment Breakdown:

Business Interruption (BI) & DSU:

Subrogation Support:

3. Contract Administration & Risk Management

Claims Avoidance Training:

Risk Analysis & Allocation:

Quality Assurance Reviews:

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BIM

Fundamental & Multi-Dimensional Modeling

3D BIM Modeling:

4D BIM (Scheduling Integration):

5D BIM (Cost Estimation):

6D BIM (Sustainability Analysis):

7D BIM (Facility Management):

Engineering & Coordination Services

Clash Detection & Resolution:

MEP Coordination:

Structural BIM Services:

3. Construction & Post-Construction Deliverables

Shop & Fabrication Drawings:

Scan to BIM (Reality Capture):

Digital Twin Integration:

BIM Execution Plan (BEP) Creation:

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Client Rep.

1. Project & Contract Management

Contract Negotiation: Providing technical assistance during bid evaluations and contract finalization.

Budget & Cost Control: Supervising project costs, reviewing contractor invoices, and managing change orders.

Progress Monitoring: Issuing regular progress reports against the baseline schedule to mitigate project delays.

2. Quality Assurance & Control (QA/QC)

Design Reviews: Evaluating engineering drawings, specifications, and data sheets submitted by the main contractor.

Site Inspections: Conducting routine on-site quality control inspections to ensure compliance with approved plans.

Performance Testing: Witnessing functional tests, witness performance tests, and plant commissioning.

4. Commissioning & Handover

Completion Supervision: Overseeing the start-up processes, functional testing, and operational handover.

Documentation Assessment: Ensuring all "as-built" drawings, manuals, and statutory compliance certificates are accurately delivered.