



# Engineering

EMC boasts a highly skilled engineering team with extensive experience across all disciplines, supporting both Brownfield and Greenfield developments.

Although we are primarily an AVEVA™ tooled organisation, our Engineers and Designers are proficient in multiple engineering applications that enable efficient and effective execution of our engineering and design activities.

## CAD Design Services

While our team is highly experienced in AVEVA™ E3D, we also provide comprehensive support across a wide range of industry-leading CAD platforms, including:

- ✓ Autodesk
- ✓ Bentley
- ✓ Hexagon

This broad capability ensures your design team can fully leverage the power of your chosen software - maximising productivity, streamlining workflows, and enhancing efficiency. We also offer proven expertise in bi-directional 3D data transfer between AVEVA™ and third-party systems, enabling seamless integration across platforms.

## Engineering Services

### Multidisciplined Capabilities

Our experienced engineers specialise in delivering both brownfield and greenfield solutions in onshore and offshore environments.

### Industry Experience

We operate across diverse sectors including:

- Oil & Gas
- Nuclear
- Mining
- Chemical

### End-to-End Project Support

We cover the full project lifecycle:

- ✓ Feasibility Studies
- ✓ Conceptual Design
- ✓ FEED (Front-End Engineering Design)
- ✓ Detailed Engineering
- ✓ Construction, Hook up and commissioning Support

With rapid resource deployment and the agility to adapt to changing client needs, facilitate unscheduled events and support planned maintenance shutdowns, we are ideally positioned to deliver effective and timely solutions.

**AVEVA**  
Partner Ecosystem

System  
Integrator

MEMBER



## Commitment to Quality and Compliance

At EMC, the technical quality of our work is underpinned by our robust Quality Management System, Health, Safety & the Environment to the latest industry codes and standards.

Our structured approach, featuring Discipline Engineers, Technical Authorities, and Discipline Management, ensures all designs undergo thorough reviews and approvals by qualified and experienced professionals, maintaining the highest standards of engineering integrity.



## AVEVA™ Systems Integration Partner

EMC Supports the full Engineering suite embracing EPC4.0 and ENG4.0 roadmaps with the release of EMC4.0™

- PRO/II Simulation
- Electrical
- Instrumentation
- Engineering for Process and Mechanical
- P&IDs
- ERM
- ISM/AIM-A
- PCM

## Capabilities Snapshot

- Offshore and Onshore oil and gas design
- Brownfield upgrades and modifications
- FPSO Design
- E3D modelling and Administration
- Point Cloud integration for a clash free design
- Pipe Stress Analysis, via CAESAR II
- Datasheet production
- Catalogue & Specification creation to 3D digital environment
- Design and Fabrication deliverable production
- Construction phase support
- Onshore and offshore surveys
- On-site support for fabrication
- Compliance with Pressure Equipment Directive (PED)
- 3D model audits in AVEVA™ E3D to clients referential and general specifications

**Let's Engineer, Design & Build something exceptional together.**

Contact us today to learn how our engineering expertise can bring your project to life.

**Contact EMC today!** Email [colin.fairweather@emcserv.com](mailto:colin.fairweather@emcserv.com) or [gary.patterson@emcserv.com](mailto:gary.patterson@emcserv.com) or call us on 020 363 363 03 (Option 2), and let's get started.