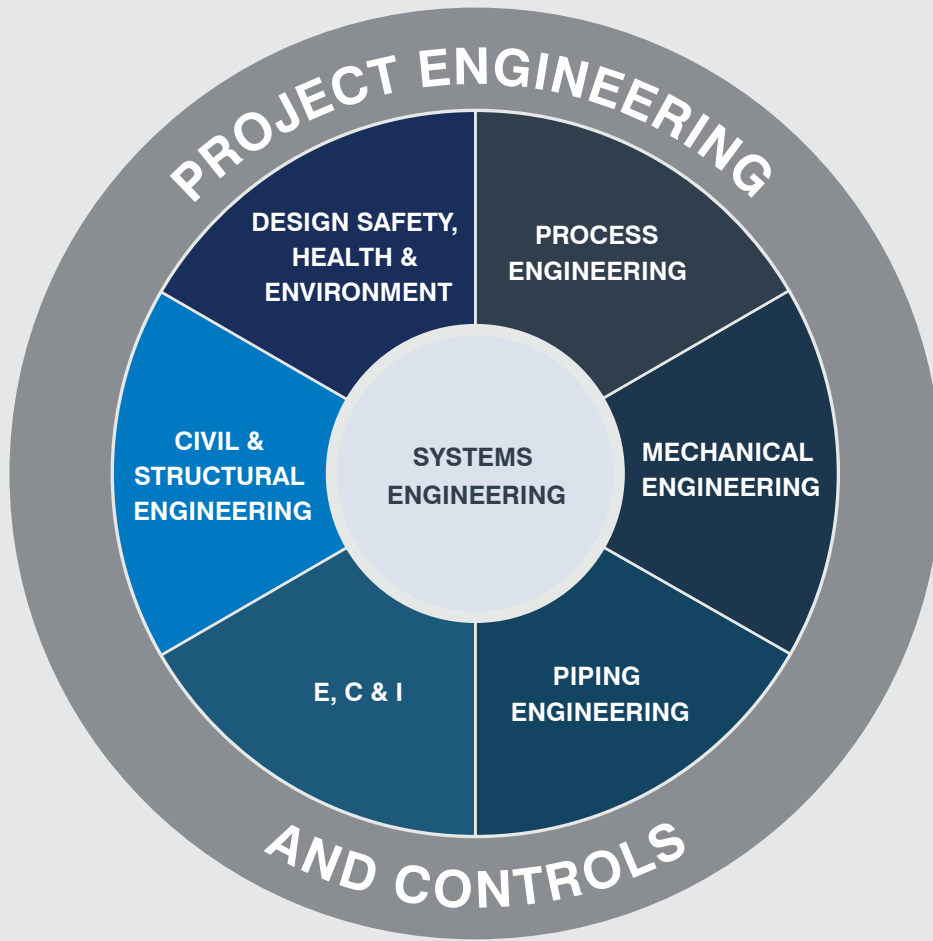


OUR NUCLEAR ENGINEERING CAPABILITY

At our centre of technical excellence in Manchester, our highly skilled engineering team offer a range of specialist services to meet the needs of our nuclear customers.



SYSTEMS ENGINEERING

- Requirements Analysis
- Systems Requirements Engineering & Management
- Systems Architecture Definition
- Design Synthesis
- Value Engineering
- Compliance Management
- Integration, Validation, Verification
- Systems Engineering Consultancy

PROJECT ENGINEERING AND CONTROLS

- Quality Assurance
- Procurement
- Planning
- Cost Control
- Integrated Project Delivery Solution (IPDS)

DESIGN SAFETY, HEALTH & ENVIRONMENT

- HAZID Studies, HAZOP & HAZAN Reviews
- SIL Requirements for Safety Instrumented Systems
- Air Dispersion and Consequence Modelling
- Environmental Assessments
- Management of Human Factors Assessments
- Compliance with DSEAR
- Fire Safety Assessment

PROCESS ENGINEERING

- Process Definition
- Heat, Mass & Activity Balances
- PHA & SIL Design Assessment
- Relief and Depressurisation Studies
- Major Equipment Design & Specification
- Design Temperature & Pressure Definition
- Materials of Construction Definition
- Process Simulation
- Plant Performance Guarantees
- Operating Instructions
- Operator Training

MECHANICAL ENGINEERING

- Conceptual Design and Feasibility Studies
- Vessel Design
- Machinery Specification
- Package Plant
- Remote Handling
- Stress Analysis

PIPING ENGINEERING

- Pipe Stress Analysis
- PDMS 3D Design Modelling
- Model Review
- PED Compliance
- Piping Item Specification

E, C & I

- Instrumentation
- Control Panels
- Control Systems
- Safety Instrumented Systems
- Access Control Systems
- Complex Machinery
- Functional Safety Management
- Commissioning

CIVIL & STRUCTURAL ENGINEERING

- Modular Design
- Geotechnical Investigation
- Constructability Reviews
- Site Survey
- Subcontract Management
- Construction Management