

Capabilities Overview

Engineering

Introduction

ARMSA works with manufacturing and other high consequence organisations to identify safe operating parameters. Our clients rely on us to provide high quality advice on their management of change (MoC) processes in relation to high performance plant and engineering systems.

Our sector experience in advising on plant reliability and plant integrity and our day-to-day contact within the industry mean that we are in touch with current and historical engineering issues and can provide realistic solutions to manage out problems.

Additionally, our practical experience of maintenance strategies, change management procedures and Safety Rules systems means we are ideally positioned to provide appropriate and pragmatic solutions for each and every one of our clients.

Our power engineering expertise extends to Process Safety Management auditing, advisory, diagnostics and management reporting. Specifically:

Engineering Policies and Management Instructions

We develop and audit the application of company-wide or site specific engineering policies addressing key current and historical issues (e.g. cold formed bends, boiler water chemistry, rotor endrings etc.).

Asset Management

We review and develop policies and procedures for asset management such as maintenance strategy, change management, plant modifications etc.

Safety Rules (Mechanical and Electrical Isolations)

We review, audit and develop Safety Rules systems and associated procedures. We are also able to develop and deliver safety rules competency based training.

Permit Systems

We audit and provide practical advice on the application of permit to work systems.

Outage planning & monitoring

We offer advice and on-the-ground support for outage planning and monitoring activities.

Process Safety

We conduct process safety audits against national and international benchmarks. We are experts developing systems for identifying, analysing and reporting company and process specific leading and lagging indicators.

Recent Power Sector Experience

>> **Nuclear I** Planning and managing projects and commissioning plant in nuclear power station construction (Hartlepool, Dungeness B) and subsequent plant operation advisory work.

>> **Management Instructions I** We are often instructed to write construction and engineering standards and local management instructions for power stations across the UK.

>> **Engineering Management Systems I** Our integrated approach allows us to conduct reviews of the maintenance management systems against legal requirements to maintain a safe system of work and industry best practice delivering streamlined systems capable of maintaining safe systems of work.

>> **Generation to Retail I** Our Engineering Practice has provided consulting and training services to the following companies in the power generation, retail, transmission and distribution sectors:

