

Health, Safety & Environment

Twenty-one services across five disciplines — management systems and assurance, environment and climate, safe systems of work, occupational health, and high-risk activity management.

Licence to Operate

AVC Engineering is a technical consultancy for asset-intensive operations across oil and gas, refining, petrochemicals, fertilisers, power, renewables and mining. We work from London, Aberdeen, Abu Dhabi and Cairo.

Environmental and safety performance is now a licence-to-operate and a financing condition rather than a compliance cost. Every service here ends in an action, a limit or a demonstration with an owner.

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SEC. 01

HSE Management Systems, Governance and Assurance

The system that holds health, safety and environmental performance in place, and the honest measurement of whether it is working. These six services build the framework, test it, and put numbers against it.

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| 01 | HSE Management System and Governance Framework Development |
| 02 | Corporate HSE Baseline Assessment, Compliance Audit and Gap Analysis |
| 03 | HSE Risk Register Development |
| 04 | HSE and Environmental Due Diligence |
| 05 | HSE Culture Maturity Assessment |
| 06 | HSE KPI and Assurance Framework Development |

SEC. 02

Environment, Climate and Resource Management

Environmental performance is increasingly a licence-to-operate and a financing condition rather than a compliance cost. These five services cover assessment and permitting, remediation, and the resource and carbon questions now being asked of every asset.

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| 07 | Environmental Impact Assessment, Permitting, Baseline Surveys and Compliance Monitoring |
| 08 | Environmental Remediation |
| 09 | Waste Minimisation and Management |
| 10 | Water Optimisation Assessment |
| 11 | Climate Change and Decarbonisation Advisory |

SEC. 03

Safe Systems of Work and Operational HSE Risk

The controls that govern how work is actually authorised and executed, and the HSE risk created by projects, brownfield activity and the contractors who deliver most of it.

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| 12 | Permit to Work and Task Risk Assessment Framework Review |
| 13 | Construction, Brownfield and Simultaneous Operations HSE Risk Assessment |
| 14 | Commissioning and Operational HSE Readiness Review |
| 15 | Contractor HSE Management Review |

SEC. 04

Occupational Health and Industrial Hygiene

The exposures that harm people slowly, produce no incident report, and become visible as liability years after the exposure occurred. Two services covering assessment and the ongoing programme.

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| 16 | Occupational Health Hazard Assessment and Industrial Hygiene Baseline Survey |
| 17 | Workplace Exposure Assessment Strategy and Health Surveillance Programme |

SEC. 05

High-Risk Activity Management and Emergency Preparedness

The activities that account for most industrial fatalities, and the arrangements for when prevention has already failed. Four services covering the controls that have to work first time.

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| 18 | Confined Space and Working at Height Risk Management Framework |
| 19 | Lifting Operations and Dropped Objects Management Study |
| 20 | Transport and Road Risk Management Study |
| 21 | Emergency Preparedness, Response and Crisis Management Review |

MEASURED HONESTLY

Leading, not only lagging

An organisation can drive its recordable rate down while its exposure to a fatality or a major environmental event remains unchanged. AVC builds frameworks that measure the condition of the controls.

DELIVERED TO

- | | | |
|---------------------------|--------------|----------------|
| ISO 45001 | ISO 14001 | ISO 45003 |
| IOGP 510 | IOGP 423 | |
| IFC Performance Standards | | |
| Equator Principles | GHG Protocol | |
| ISO 14064-1 | ISO 14046 | EN 689 / ACGIH |
| TCFD | | |

