



Project Engineering Services from S3 ID

S3 ID is an international company providing complete 'location awareness' solutions and is the manufacturer of the acclaimed S3 range of products spanning everything from personnel and asset tracking, personnel on board (POB), mustering, access control, safety and security to travel logistics management, shift rotation planning and bed management.

S3 ID is unique. The S3 range has been developed from first hand experience serving the on-shore and off-shore Oil & Gas industry. Products are ATEX certified and solutions use patented technology time proven in operation worldwide with many blue chip clients.

As such our application expertise in this specialist market sector is second to none – providing us with unique skills we apply to engineering complete 'turnkey' solutions for our clients.

Project Management

There is an old English proverb that says "if a job is worth doing, it is worth doing well". We apply this ethic in our approach to solution delivery by employing professional project management and meticulous planning. With respect to project delivery, S3 ID has a wide range of experience in supplying location, mustering and security systems of varying size and complexity using various technologies such as RFID, UWB, and GPS. Our solutions are delivered using a team of experienced Project Managers, Project Engineers and Design Engineers who have extensive specialist applications domain knowledge. This approach ensures our systems are supplied on time and to budget, whilst maintaining high quality workmanship.

Functional Design Specification

Every successful project starts with a clear mutually agreed statement of what is to be delivered and how this is to be achieved. Within S3 ID this is the role of the Functional Design Specification which provides the route-map for the projects delivery. This document is a 'living volume' and evolves from its initial sign-off as further detail is added throughout the contract.

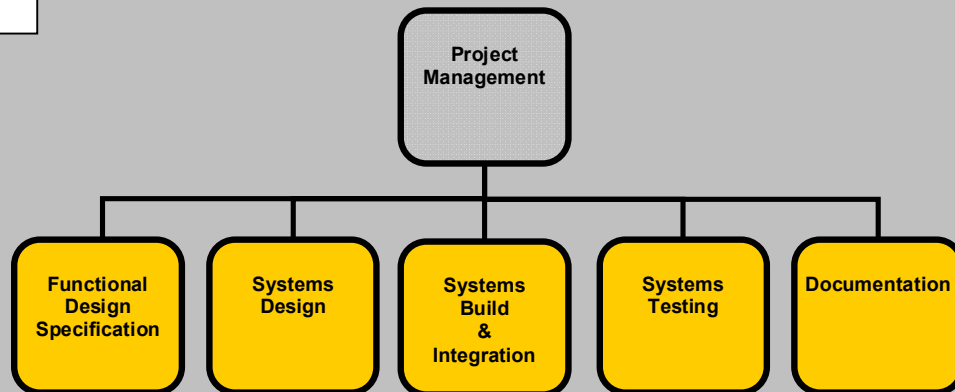
Systems Design

The Systems Design phase builds upon the framework provided by the FDS to precisely define details prior to build. S3 ID's design engineering, manufacture and integration facility is located in Rotherham in the United Kingdom. These facilities are housed in a purpose built complex just 2 miles from the M1 Motorway and are fully equipped for engineering, manufacture, assembly and testing. Our project orientated approach means we supply systems from conceptual design through to final commissioning and hook-up, together with a full range of after sales services and customer training. Our capability also includes a high level of design expertise interfacing our systems with other multi-hardware systems.

Systems Build & Integration

The capability of S3 ID's in-house software engineers is one of the company's strongest assets. A wealth of industry specific application engineering can be utilised on projects with the development of hardware and software performed in parallel operation and then brought together as a whole resulting in a totally integrated system approach. All software design is undertaken strictly within QA System Codes of Practice and Control Procedures, which are audited on a regular basis by both internal and external authorities.

Figure 1



Systems Testing

Testing facilities are available for modular and fully integrated systems testing. Our approach to Modular software and electrical testing are integrated within the company's standard design procedures. In brief, test records are kept at all stages identifying successful testing and any failures where snags / bugs were found along with details of the corrective actions taken and signed off.

Fully integrated witnessed factory acceptance tests are performed with 100% simulated inputs and outputs. Elevated temperature recorded heat soak tests may also be performed at additional cost, where required, on systems in their final configurations.

Documentation

Successful project delivery requires comprehensive documentation to both support the engineering process and to provide the correct level of detail with the system supplied to ensure it can be fully supported in the future. Along with the Functional Design Specification (described above), the following documentation is typically generated and supplied with each system:

- Functional Design Specification
- Software Design Specification (for both standard software modules and project specific code)
- Full System Drawings pack including Connection Diagrams & Settings Tables
- Operator & Engineering Maintenance Manuals (including default access codes)

Quality Management, Health Safety & the Environment

S3 ID is committed to quality and has a well-established Q.A. culture. The company is a BSI Registered firm of assessed capability to: BS EN ISO 9001 2008. We are also accredited by QMS for our Environmental Management System to BS EN ISO 14001:2004 and for our Occupational Health & Management Systems to BH OHSAS 18001:2007.

The quality policy of S3 ID is established in the company Quality Manual and the associated Procedures and Design Codes of Practice. These documents lay down the required system necessary to maintain good quality working practices and are available at the company offices for inspection.

Setting to Work

To complement our in-house systems engineering we also provide a comprehensive range of After Sales Services as described on our associated datasheet.

Our highly competent and experienced commissioning team is skilled in setting our tracking, location and mustering systems to work and in optimising their performance on site in the most expedient manner.

S3 ID Group

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