

**SELLA**  
**CONTROLS**

**C&C**  
TECHNICAL SUPPORT SERVICES

**SELLA**  
**CONTROLS**



# Overview

**SELLA CONTROLS** will facilitate the training and **C&C Technical Support Services** will deliver the courses for functional safety, consultancy, training and workshops.

SELLA CONTROLS has joined forces with C&C a leading global provider of the prestigious TÜV Rheinland Functional Safety Program, and were one of the first companies approved to offer the course within this program. All of the consultants are FS Senior Experts or FS Experts as well as TÜV Rheinland approved trainers for the following courses:

- Functional Safety Engineer (TÜV Rheinland) SIS
- Functional Safety Engineer (TÜV Rheinland) PH&RA
- Cyber Security Specialist for IACS (TÜV Rheinland) CySEC
- Functional Safety Technician (TÜV Rheinland) SIS

Sella Controls and C&C Technical Support Services (C&C) have over 50 years of experience in the process sector specialising in the application of the IEC 61508 and IEC 61511 standards for Functional Safety. The company provides expert engineering training and consultancy support to global process industries including oil and gas, petrochemical, power generation (including nuclear) and water. The training provision benefits from blending a wide spectrum of practical experience into all courses. This is taken from the many years of extensive involvement in Process Hazard Analysis, SIL determination risk assessment methods, SIS design, SIS verification, SIS validation as well as operations and maintenance activities. The company also has a 'proven-in-use' methodology for undertaking Functional Safety Assessments for FS related projects and operations and maintenance.

# Available Courses



## The FS Engineer (TÜV Rheinland) SIS course

Our FS Engineer (TÜV Rheinland) SIS Course is run in accordance with the TÜV Rheinland Functional Safety Training Program and comprises three days of tuition and practical guidance for understanding and mastering the application, principles and requirements of IEC 61508 /IEC 61511. There is a five hour competency assessment on the fourth day. Practical exercises will be performed throughout the course and will be based largely on real life examples.

## The FS Engineer (TÜV Rheinland) PH & RA course

The FS Engineer (TÜV Rheinland) PH & RA course is a 5 day course run in accordance with the TÜV Rheinland Functional Safety Training Program and comprises four days of tuition and practical guidance, for understanding and mastering the application of process hazard analysis and associated risk assessment, as required for the early lifecycle phases of IEC 61508 and IEC 61511. There is a five hour competency assessment on the fifth day. Practical exercises will be performed throughout the course which will be based on real life applications.

## The FS Technician (TÜV Rheinland) certificate

This 4 day course for the FS Technician (TÜV Rheinland) certificate is run in accordance with the TÜV Rheinland Functional Safety Training Program and comprises of three days of tuition and guidance, for understanding and mastering lifecycle phases for: installation, commissioning, testing, maintenance and change control of safety instrumented systems in accordance with the requirements of IEC 61508/ IEC 61511. There's a two part competency exam on the fourth day, with practical exercises performed throughout the course.

## The CySec Specialist (TÜV Rheinland) Security Risk Assessment (SRA)

The CySec Specialist (TÜV Rheinland) SRA course is a 4 day course run in accordance with the TÜV Rheinland Cyber Security Training Programme and comprises three days of tuition and practical guidance for understanding of the principles of IACS Cyber Security Risk Assessment according to the IEC 62443 standard. There is a four hour exam on the fourth day, with successful completion resulting in the participant receiving the prestigious CySec Specialist (TÜV Rheinland) certificate in Security Risk Assessment.



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Located in Stockport Cheshire, Ashby de la Zouch and Coalville Leicestershire, Sella Controls has easy access to the motorway networks, mainline railway stations, Manchester Airport, Birmingham Airport and East Midlands Airport.

**Sella Controls** has custom built offices and workshops providing:

- ✓ **Consultancy** Lifecycle Services, Risk Assessment, SIL Determination, Independent Assessment (FSA), Third Party Certification
- ✓ **Project Management** On time delivery of project, Regular customer contact, Agreed milestones to monitor progress
- ✓ **Design** Detailed Hardware Design, Software Development, Auto CAD Loop Diagrams
- ✓ **Engineering** Functional Design Specification, Software Specification Safety, Requirements Specification
- ✓ **Manufacturing** Panel Build, System Build, System Integration
- ✓ **Testing** In-house, Factory Acceptance Testing, Site Acceptance Testing
- ✓ **Commissioning** System Inspection, Support during Start-up
- ✓ **Technical Support** 24 hour call out support, Upgrade/Modifications Maintenance, (IEC 61511 life cycle), Proof testing
- ✓ **Training** Hardware/Software Design, Maintenance and Servicing Customised courses

