

Environment, Safety, Security and Quality

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Head of ESH

- Develop and maintain the ESH&Q strategy with focus upon
 - regulatory compliance strategy
 - ESS safety and quality culture
 - continual improvement of related programs and activities
 - coordination of licensing activities and contacts with the host state(s) in ESH&Q matters

Who are we



- 35 FTE
- 6 contracted staff
- Manage all consultancy contracts for ESS within ESH&Q

- Swedish Environmental Act – ESS has a permit
 - A number of conditions for construction (spring water, ground water, noise etc.)
 - For the operation
 - Handling of spring water
 - Handling of radioactive waste
- Ambitious environmental policy as for a research facility
 - Energy savings
 - Green energy
 - BREEAM system for buildings

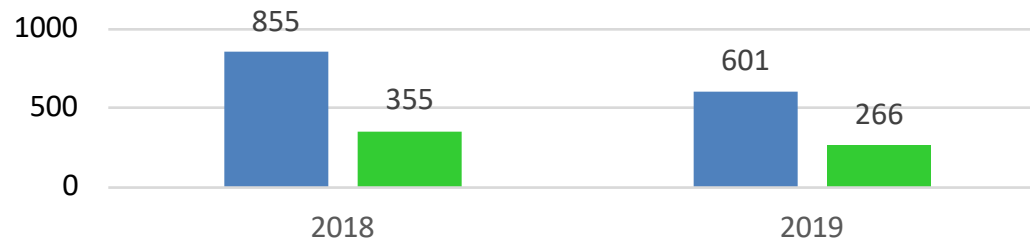
- Physical protection
 - Due to handling of activated material, physical protection is needed
 - Availability for all users requires integrated solutions
- Information security
 - An area which will be more and more important
 - Restriction needed for vital system
 - Availability needed for scientific users



24 class room courses: ATEX; BAS-U; Forklift truck; Crane Operator; Electrical Safety (Basic); Electrical Safety (Advanced); Fall Protection; Hot works; First Aid (Basic); Mobile Elevated Work Platform; Preparing archiving of paper documents; RP - Supervised Areas; RESSQ-Mech; Safe Lifting; Scaffolding; Site Safety Induction; Site Visit Responsible Training; Slings & Rigging; Use and Inspection of Pressurized Devices; Use of Epoxy; Conventional Waste Management; Chess Basic Training; Alarm Panel Training

7 e-learning courses: Cryogenic Safety (Awareness); Electrical Safety (Awareness); Test Stand 2 training; Incident Reporting at ESS; Safety in G01 training; ESA 14; RP Awareness

COURSES FOLLOWED: 2018 vs. 2019 (UNTIL AUGUST)



■ Learners who followed e-Learning courses

■ Learners who followed classroom courses

SAFETY

- Electrical Safety
- Risk Management
- Environmental Protection
- Safety Induction
- Emergency Preparedness
- Chemical Safety
- Radiation Protection
- Installation
- NSS & Laboratories

SECURITY

- Information Security
- Emergency & Crisis Management

QUALITY

- Document Management
- ESS Management System

OTHER FIELDS

- Test Stand 2 & 3
- Control System & Hardware Group

Example: Electrical Safety

Developed: Electrical Safety Awareness

About to be released: ESA (Electrical Safety Instructions) Instructed; ESA Skilled

In development: Electrical Safety Leader; Electrical Operation Leader

Planned: Electrical Safety for Managers; Switch Gear Station; Work with Assemblies

External support/Opportunities

Present situation

- Construction, Installation and start of commissioning
- Frame-work agreements for technical consultants, in total 11 areas. ESH&Q are responsible for:
 - Safety (Radiation, OHS....)
 - Environment
 - Quality
 - System Engineering

In operation

- Operation but also installation, and commissioning
 - Radiation Protection (incl. radiation monitoring, radioactive waste)
 - OHS issues
 - Security solutions
 - Information Security
 - Safety Training
 - Environmental monitoring
 - QA, QC