

AAT



Site
Operational
Support

Introduction



AAT are an industry leading supplier of specialist services and products to the UK Wind Industry, having created and developed the 'one-stop-shop' approach to supply, installation, inspection, test, repair and maintenance of a wide range of lifting, access and safety equipment.

AAT's Site Operational Support Department (SoS) have developed this approach to provide a wider range of onsite and offsite services, split into five key areas:

- 1 Testing and Inspection of Equipment Service (TIES)
- 2 Occupational Health Testing
- 3 Facilities Safety & Security Service
- 4 Workshop Repair and Maintenance Services
- 5 Operational Support

The majority of these can be carried out at their locations or at their Client's site, with a focus on delivering the service at the location that best suits the individual needs of their Clients.



Testing and Inspection of Equipment Service (TIES)



AAT Site Operational Support Departments Test and Inspection of Equipment Service (TIES) provides their Clients with a wide range of options of equipment testing and inspection services to support their site operations.

The service focuses on the delivery of testing and inspection in the following key areas:

- Health and Safety
- Statutory Compliance
- Quality
- Equipment and Asset Integrity
- Condition-based Preventative Maintenance

The SoS Department use the acronym TIES as their service "TIES" in with their Clients operational support needs, whether that be bringing the service to them, using their mobile test and inspection laboratories, working through the night or outside of normal working hours to reduce downtime, or, by simply being flexible to work around their Clients needs operationally.

SoS work to ensure that what they do TIES in, first and foremost, with their Client's needs.

TIES is split into distinct service categories:

- Calibration and Measurement
- Testing, of Equipment and People
- Inspection and Thorough Examination

Each service can be delivered individually or as a series of categories combined to deliver a multi-disciplined 'one-stop-shop' service, where the Client chooses the service categories that they want to be delivered, at a location and time period that best meets their operational support needs.

The services categories are then further sub-divided into individual 'disciplines', such as inspecting PPE, or calibrating a torque wrench for example, which form the scope of work. The Client simply looks at the service elements and chooses the disciplines that they require and AAT SoS take care of the rest.

AAT SoS offer their wide range of services at either:

- Client's chosen location using their mobile test and calibration laboratories.
- Or, by having their Clients equipment delivered to their fixed test and calibration laboratory in the town of Ayr.
- Or, delivered to one of their Partner laboratories or test facilities.

The delivery of the service at their Clients chosen location TIES in with their needs and by not having to ship equipment the Clients receive the following benefits:

- Reduced cost due to shipping, management and staff time to manage and facilitate.
- Reduced cost in not having to purchase, test and calibrate spare equipment for use when equipment is shipped out to a fixed laboratory.
- A reduction of equipment down-time when work carried out at their chosen location.
- No downtime when work carried out at the end of the work cycle, outside of working hours, or when carried out when AAT staff TIES in with the Clients team to carry out the work when the equipment is not in use.
- Reduction in unplanned down time when certain items of equipment fail a test/inspection and is replaced on a sale basis, by a new item, or is temporarily replaced by a hire piece of equipment.
- Reduction in unplanned down time when certain items of equipment fail a test/inspection and is repaired by AAT staff.



AAT are working toward accreditation by UKAS, The National Accreditation Body for the United Kingdom, they work in accordance with the following International Standards:

- BS EN ISO IEC 17020:2012 Conformity assessment. Requirements for the operation of various types of bodies performing inspection.
- BS EN ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.



Inspection, Repair and Maintenance & Thorough Examination

AAT SoS has a long history of carrying out inspection, repair and maintenance and thorough Examinations of their Clients safety, rescue, evacuation and lifting equipment.

The inspection and examination scope includes:

- Personal Fall Protective Equipment
- Sea Safety Equipment
- Lifting Equipment, Accessories and Appliance
- Rescue and Evacuation Equipment



AAT SoS Metrology & Equipment Calibration

AAT SoS offer the following calibration services for measurement equipment:

- Mechanical
- Pressure (Hydraulic and Pneumatic)
- Electro Technical
- Temperature and Humidity

MECHANICAL

- Torque wrenches and screw drivers
- Load cells and force gauges
- Rules, Micrometers, Verniers and Height gauges
- Weight and mass sets
- Scales and balances
- Accelerometers

PRESSURE

- Hydraulic analogue or digital pressure gauges
- Pneumatic analogies or digital pressure gauges
- Test gauges

ELECTRO TECHNICAL

- Multi-meters
- Clamp Meters
- Insulation testers
- Portable Appliance Testers
- Counter Timers
- Loop Testers
- Residual Current Devices

THERMAL AND HUMIDITY

- Thermometers
- Thermocouples
- Thermistors
- Humidity Recorders
- Humidity Generators

TESTING

AAT SoS utilise the latest technology and processes to carry out a wide range of equipment testing, including:

- Portable Electrical Appliances
- Hand Arm Vibration
- Whole Body Vibration
- Sound monitoring
- Air sampling

In addition to the testing of tools and equipment, SoS's TIES also offers occupational health surveillance testing to check workers exposed to noise and vibrating tools and equipment. This can be tied in with tool testing and includes the following:

- Audiometric Hearing Tests
- HAVS - Grip Strength Assessments
- HAVS - Purdue Pegboard Dexterity & Coordination Assessment
- HAVS - Cutaneous Sensory Perception
- Respiratory Mask Face Fit Testing



Facilities Safety & Security Services

AAT SoS has considerable expertise in the delivery of Facilities Safety and Security Services, including on wind and solar farm substations, battery storage areas, EV charging stations and industrial units.

- Emergency Lighting Testing
- Lightning Protection System Testing
- Fixed Wiring Testing
- Portable Fire Extinguisher Maintenance
- Fixed Suppression System Installation
- Fire, Smoke and Gas Detection and Alarm Systems Installation, Repair and Maintenance
- Fire Risk Assessment
- Water Testing



Workshop Repair & Maintenance

From their workshop in the town of Ayr, the AAT SoS Department also provide a workshop repair and maintenance service for commonly found turbine safety, evacuation and lifting equipment, including:

- Elevator Motors and Brakes
- Cranes and Lifting Equipment
- Rescue and Evacuation Equipment
- Fall Protection Equipment



Thank you for taking the time to read this information booklet. For further information please contact AAT at:

+44(0)1292 263 581 | info@aatsafety.co.uk

Or online at:
www.aatsafety.co.uk

