



Job Description

Job:	Senior Clinical Engineering Technician
Location:	SeatTech, Enable Ireland, Sandymount
Contract Hours:	39hrs per week
Contract Type:	Permanent
Reporting to:	SeatTech Production Manager

Overall Purpose of the Post:

Our mission at SeatTech is to work with people to provide them with the most appropriate seating, wheelchairs and positioning equipment to meet their individual needs. We aim to achieve this by working together as a specialist team of caring individuals, who understand that our success is always determined by the quality of the service we provide to each person.

The purpose of the post is to provide technical expertise, founded on sound engineering principles, and informed by a rich understanding of clinical need, in order to contribute to the delivery of suitable wheelchair seating solutions to people with complex needs. A specific focus of this role is to help expedite the introduction of digital technologies into the manufacturing processes within SeatTech.

The Senior Clinical Engineering Technician uses their knowledge & understanding working in partnership with experienced Clinical staff in the delivery of custom seating assessment, fitting, and equipment-handover appointments. While the colleagues share some duties in this process, the Clinician carries responsibility for the clinical suitability of the seating solutions while the Senior Clinical Engineering Technician carries responsibility for their manufacture & technical integrity.

The Senior Clinical Engineering Technician operates in an efficient and proactive manner to ensure that agreed deadlines are met, and that high-quality SeatTech products are delivered in a timely manner.

Duties:

The role of the Senior Clinical Engineering Technician is to provide a high level of technical expertise, undertaking relevant and necessary tasks to ensure that people receive the most appropriate equipment in the most efficient manner. This work needs to be undertaken in a systematic fashion and progress proactively communicated to relevant parties.

While product manufacture will take up a large proportion of a Senior Clinical Engineering Technician's time, their role is diverse, and s/he plays a critical role in the smooth running of many aspects of the special seating service.

Duties include, but are not limited to:

- Product repairs
- Research & development
- Product quality management
- Product design and manufacture
- Helping lead clinical interventions
- Completing design documentation
- Product selection & recommendation
- Ordering products & stock management
- Use of 3D scanning technologies & CAD software
- Exploration of alternative manufacturing techniques

Participation in clinical interventions

The Senior Clinical Engineering Technician works in partnership with experienced clinicians, jointly leading the delivery of:

- Wheelchair and seating assessments

- Equipment trials
- Fitting of new equipment
- Issue (equipment handover) appointments

The Senior Clinical Engineering Technician applies their extensive knowledge and experience to actively participate in wheelchair user needs assessments. S/he translates these identified needs into mechanical design solutions, and subsequently manufactures the necessary devices.

Clinical interventions may take place on-site in Sandymount or off-site at outreach clinics located elsewhere throughout the country.

Product Manufacture

The Senior Clinical Engineering Technician manufactures high-quality wheelchair special seating supports, in conformance with the provisions of the European Medical Devices Regulations.

The Senior Clinical Engineering Technician agrees with their partner clinician what manufacturing work is required. The timeline for the work is agreed, and adhered to – unforeseen circumstances notwithstanding. The Senior Clinical Engineering Technician keeps relevant parties updated on progress in this regard.

Production work will be undertaken autonomously and/or in partnership with colleagues. Senior Clinical Engineering Technicians may also assign tasks to a Basic Grade Clinical Engineering Technician, in consultation with the Production Manager. The Senior Clinical Engineering Technician must supervise the outcome of the Basic Grade Clinical Engineering Technician's work, as s/he will maintain responsibility for work delegated.

Product manufacture necessitates undertaking the following activities:

- Assuming responsibility for the planning of work schedules, in consultation with the production lead, to ensure continuous productivity and to ensure that seating systems are completed according to the agreed priority and in a

timely fashion.

- Advising on, and agreeing with the clinician, the work items to be undertaken and the timeline for completion of same.
- Noting same on agreed SeatTech design templates, in conformance with the provisions of the European Medical Devices Regulations.
- Assisting in the adoption of digital technologies as the SeatTech service transitions from paper-based to digital record-keeping.
- Interpreting written & verbal instructions from third parties.
- Undertaking manufacturing processes in an efficient manner, to include marking, cutting, sanding, assembly and finishing, to a high quality, of various materials including steel, timber, polymers and foams.
- Using static machine shop tools such as milling machine, lathe, and pillar drill.
- Assembling of complex mechanical components.
- Assuming responsibility for ensuring that SeatTech-manufactured devices are produced in line with the SeatTech quality assurance programme.
- Using digital manufacturing capabilities such as custom moulded shape capture, digital post-processing, and CNC or 3D manufacturing processes, as appropriate.
- Investigating and applying digital technologies to enhance product design and manufacturing efficiencies
- Keeping their partner clinician and the Production Manager abreast of developments in relation to production schedules.
- Proactively liaising with Production Manager to schedule upholstery for jobs that near completion.
- Proactively scheduling appointments from first fitting through to completion of episode of care (issue), in consultation with partner clinician and Production Manager.
- Using digital photography to record all items manufactured.

Line Management

- Line manages the Basic Grade Clinical Engineer in consultation with other Senior Clinical Engineering Technicians

Quality Management

SeatTech has a quality management system in place to ensure that devices produced by SeatTech are produced to a high quality standard. The Senior Clinical Engineering Technician adheres to the quality assurance processes, and to the relevant paperwork/data recording processes as they pertain to quality management, medical device regulatory compliance, and GDPR.

The Senior Clinical Engineering Technician is responsible for accurately registering manufacturing details of all custom manufactured items on the Quality Management system, in line with European Medical Devices Regulations. Details include bill of materials, technical details & measurements and ensuring sign-off on all work from an authorised individual.

The Senior Clinical Engineering Technician undertakes Quality Assurance checks on devices produced by their colleagues.

Stock Control

‘Stock’ comprises raw material and other consumables held by SeatTech for use in manufacturing, as well as devices delivered to SeatTech for work, and items to be issued to service users. Also included in stock control are pre-used items which are deemed to be of sufficient quality to be re-used for repair or maintenance purposes.

The Senior Clinical Engineering Technician shares the team responsibility for the daily management of all stock levels.

All technical staff participate as required in necessary stocktaking exercises during the financial year.

Health & Safety

Take responsibility, in conjunction with colleagues, to ensure a safe work environment for all staff. Specific responsibilities will include:

- Maintaining the workshop and machine shop in a tidy and safe manner, free from items that pose hazards of slips, trips and falls, and ensuring that machines are cleaned down following use
- Participating in Covid-19 infection prevention protocols
- Undertaking scheduled preventative maintenance on machinery and replacing consumables as and when the need arises
- Undertaking daily health & safety, and other periodic checks as requested by management.

Research & Design

Research & Design is key to SeatTech's stated mission of providing service users with the 'best possible' seating, mobility and positioning aids. The Senior Clinical Engineering Technician:

- Takes a lead role in current research & design projects
- Reports on research project findings
- Prepare samples for experimental non-destructive and destructive testing
- Presents research findings at appropriate conferences and events
- Adopts a pro-active approach to identifying and reporting ideas that can enhance productivity, improve efficiency or lower manufacturing costs

Repairs & Emergency Cover

The Senior Clinical Engineering Technician:

- Undertakes repairs to existing SeatTech seating systems where deemed necessary and appropriate.
- Undertakes mechanical maintenance & repair tasks on wheelchairs when emergencies arise
- Provides a frontline service delivery cover for other SeatTech Clinical Engineering Technicians if they become unavailable at short notice

Professional Development

SeatTech staff keep abreast of developments in the field of wheelchairs & associated special seating through on-the-job training, and attendance at internal & external training courses. It is essential that staff be committed to ongoing

professional development with a view to constantly reviewing and improving knowledge, skills, and attitudes

The Senior Clinical Engineering Technician will provide mentoring to other staff members – be they more recently-employed in a similar or more junior role, or coming from a different profession and in need of technical guidance. Senior Clinical Engineering Technicians are expected to induct, mentor, support and supervise Basic Grade Clinical Engineering Technicians, as appropriate.

Other Duties

This description is not restrictive and the post holder may be required to carry out other duties to assist the Production Manager ensure effective operation and development of the service.

GDPR

GDPR compliance, In the course of carrying out the duties of this job and working with others which will include but is not limited to compliance with all Enable Ireland GDPR policies and procedures, attending all GDPR training sessions, ensuring personal responsibility for implementing safeguards and measures as directed, to minimise exposure to breach GDPR.

This description is not restrictive and the post holder may be required to carry out other duties as requested by the Service Manager.

This position is open to experienced Senior Clinical Engineering Technicians / Registered Clinical Technologists. Applicants with appropriate training but less experience are also encouraged to apply, and may be considered with modified job description & pay scale.

Terms & Conditions:

Responsible to: SeatTech Production Manager

Probation: A probationary period of 6 months/9 months (as relevant to post status) applies, wherein three probationary meetings will take place to review your performance and suitability for appointment. The probationary period may be extended or terminated for any reason at Enable Ireland's discretion.

Salary: The current salary scale for this post is €42,247 to €61,495 pro rata per annum.

Annual leave: Annual leave entitlement is 30 days pro rata per annum and proportionately less for less than 12 months service.

Pension Scheme: Enable Ireland operates a contributory pension scheme which all employees may join on earlier of 1st July or 1st January following start date.

Medical: The successful candidate will be required to undergo a medical assessment.

Garda Clearance/ Police Clearance: These will be required for all prospective employees who will undertake relevant work or activities relating to children or vulnerable persons.

Sick Pay: (If applicable) All periods of sickness exceeding two days must be medically certified. Weekly medical certificates are required thereafter. The Company reserves the right to have you examined by its own Doctor after 3 months continuous sick leave. Upon completion of 9 months continuous service with the Company sick pay will be as follows:
Full pay less social welfare for the first 13 weeks of sickness in any 12 month rolling period and half pay less social welfare for a further (13) weeks of sickness absence in the same 12 month rolling period

Redeployment In exceptional circumstances the organisation reserves the right to redeploy you to an alternative role that is suitable to your skills and experience.