

## Foam Moulded Seating

Designing and shaping foam cushions around the patient to meet the needs of unique body shapes. This can provide support and pressure relief.

## Postural Support

Assessing and fitting parts and modifications to support patients in comfortable and safe postures, correcting or accommodating unique positions

## Special Controls

Assessing patient's mobility abilities and setting up systems to allow them to drive their power chair if they cannot use a standard joystick (ex. steering using head or neck movement, switches, central mounting)

## Environmental Controls

Allowing patients with limited mobility interact with their home and world such as turning on lights, control the tv, adjust recline on their chair, and call friends

## Help Call

Helping patients who are unable to use a phone to call for help with an Environmental Controls machine, using accessible switches.

## Specialist Wheelchair Modifications

Assessing patients for non-standard equipment and modifications. Designing, prescribing, risk assessing, and justifying specialist equipment

## Stability

Adjusting wheelchair parameters and measuring weight distribution to ensure ideal CoG placement and stability, especially for more active patients. This reduces risk of chair tipping on ramps or due to patient movements as well as increasing ease of use

## Risk Management

Performing tests, assessing risks and designing mitigation strategies for custom devices and modifications



Comfort

Independence

Safety

# Rehabilitation Engineer

Combining technology and patients with disabilities to improve lives

\*Working in Wheelchair and Environmental Controls Services

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