

Portable Lift and Chair

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Technology description

Our researchers at the University of South Florida addressed this problem by creating a portable lifting chair, or PLC. While something like a scissor type lift can prove extremely effective in lifting both the user and the wheelchair to the height of the bed, they must still utilize a transfer board to get safely from their chair to the bed. Instead, the PLC is an all-in-one device that is not dependent upon any secondary transfer apparatus or methods. Additionally, the PLC is especially useful for individuals with upper body mobility, allowing for more efficient transitions in and out of bed than a sling type device. The PLC is able to smoothly slide, raise, lower, and rotate with minimal input from the user, providing a maximum amount of mobility within a confined space.

Researchers at the University of South Florida have developed a technology that can aid disabled individuals transferring from a wheelchair to a raised bed.

Institution

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