

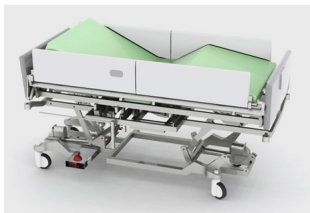
The **EPOSbed™ project** proposes to design and validate a specialty bed with an easy-to-use positioning that allows patients with limited mobility to change their position in bed without need of assistance from hospital personnel.

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An actuator system will change the bed configuration in order to assist comfortable:

- lateral positioning,
- sitting / Fowler positions.

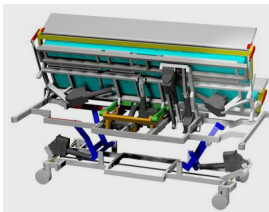


To facilitate that elderly people can use the assistive system, an intuitive user interface was implemented based on an **intelligent sensing system that interprets the movement intended by the patient and automatically activate a servo-actuator system accordingly**. This system avoids the need of the classical remote controllers and ensures the autonomy of elderly patients



The Market

Revenues in the hospital specialty beds market reached approximately €800 million in Europe in 2005, with an annual growth rate of 9% as a consequence of the population aging. Despite the existing mentioned strong demand for a system enabling patients improved mobility, there is not a satisfactory product in the market. The aim of this project is to enable European SMEs to either enter or strengthen their competitive positioning in the specialty bed market by working together with world class RTD performers in the development of new technology that fills unmet market needs.



The Eposbed Website has been made to inform the public about this project. The authors reserve the right not to be responsible for the completeness or correctness of the information provided on this Website. If you find information on this Website which is incorrect, please inform the webmaster, who will try to update the information as soon as possible.

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