

L'accompagnement sur-mesure de vos projets d'innovation

Notre mission :

Proposer aux entreprises des ressources d'innovation attractives issues de plus de 160 laboratoires et 7200 chercheurs.

Innovative device capable of tracking physical activity that was originally developed to prevent frailty in the elderly

Actiphytness is an innovative device capable of tracking physical activity in detail. It was developed to prevent frailty in the elderly, but can be used in many applications such as sports, rehabilitation, posture tracking, etc. The device can accurately detect and classify more than 25 activities and their metrics, and all of this data can be presented on app-specific dashboards to help healthcare professionals take specific actions.

One of the main problems that Actiphytness addresses is frailty in the elderly. The state of frailty can be objectively diagnosed and prevented thanks to this innovation. The research team identified specific global and local characteristics that allow people to be classified as pre-frail, frail, or robust. The goal is to detect progressive debilitation in older adults at an early stage to prevent progressive worsening and decline in physical function.

Actiphytness is an innovative solution that allows physical activity to be monitored in detail and objectively diagnoses and prevents the progressive worsening and decline of physical function in the elderly. The device only requires data from an accelerometer and a barometer, which allows the development of an on-board device with low power consumption. This innovation has been the subject of two patent applications, a copyright and a trademark and has been the subject of several scientific publications.

Cette solution est faite pour vous si vous êtes :

- Une entreprise qui souhaite utiliser la solution
- Une entreprise qui souhaite commercialiser la solution
- Une entreprise qui souhaite adapter la solution à son besoin

Nature de l'offre :

- Accuracy of activity monitoring
- Fully automated monitoring process
- Daily routine - indoor & outdoor
- Smart algorithm design for low battery consumption
- For Senior application: prevention of frailty by early detection

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ACTIPHYTNESS