

Digital Wellbeing

FREJA

The intelligent shower solution for the disabled and elderly

STARTUP CREATION: HOME CARE AUTOMATION (SWEDEN)

PARTNERS: Robotics Care (Sweden), Nordic Electronic Partner Västerås (Sweden), Forum Virium Helsinki (Finland)

FREJA



FREJA – the friendly assistant – helping you with the personal hygiene

The idea behind FREJA is to help the disabled take care of their personal hygiene under safe conditions. The solution is aimed at users suffering from partial mobility due to neurological damage or merely through old age. The FREJA hygiene robot makes showering a positive experience. A private moment to look forward to and a boost for personal dignity and quality of life.

The ergonomically designed seat is controlled using advanced software, sensors and motors. The seat is extended and lowered sufficiently to allow the user to sit comfortably. The seat cushion is in two parts and the comfortable backrest is high enough to provide support and great comfort. The footrest is designed to allow walkers and wheelchairs to get close.

The seat is lifted into the shower space with a gentle, controlled movement without either users or care staff having to step on a wet, slippery floor. In practice, FREJA contributes to a substantially lower risk of difficult slip and fall accidents in bathrooms and showers.

Competitive Advantages

- The first fully automated shower robot in the world.
- Preserves dignity and increase independency for the user
- Releases workload on care staff
- Reduces risk for infection

Target Markets

- The initial market are municipalities, having the prime responsibility for the wellbeing of the citizens.
- Public and private institutions are also potential customers
- In a second phase, private users and private families will be addressed.

Status/ Traction

- Freja will be publicly shown in Sweden during October 2020 and first pilot installations are planned for 4th quarter 2020 in Sweden and Finland.
- An advanced, middle sized municipality in Sweden, has already signed up for delivery of FREJA to its citizens.
- Plans are to scale up production and distribution in Sweden, Finland, the Netherlands and Germany during 2021 and 2022.
- Freja is being developed together with Nordic Electronic Partners and with the good support of EIT Digital.

Road Map

- New features adressing the wellbeing and comfort of the user will be added over time

Leveraged Technologies

The integrated system is a market unique technology, with an automated on and off chair and controllable water and cleaning functions. Individual components of technologies are mature, while the overall system architecture and the interoperability between the different sub-systems is unique of its kind. Remote diagnostics and monitoring will be managed overt Internet (IoT) and mobile networks.

Contact



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FREJA

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