

XoSoft

Soft modular biomimetic exoskeleton to assist people with mobility impairments

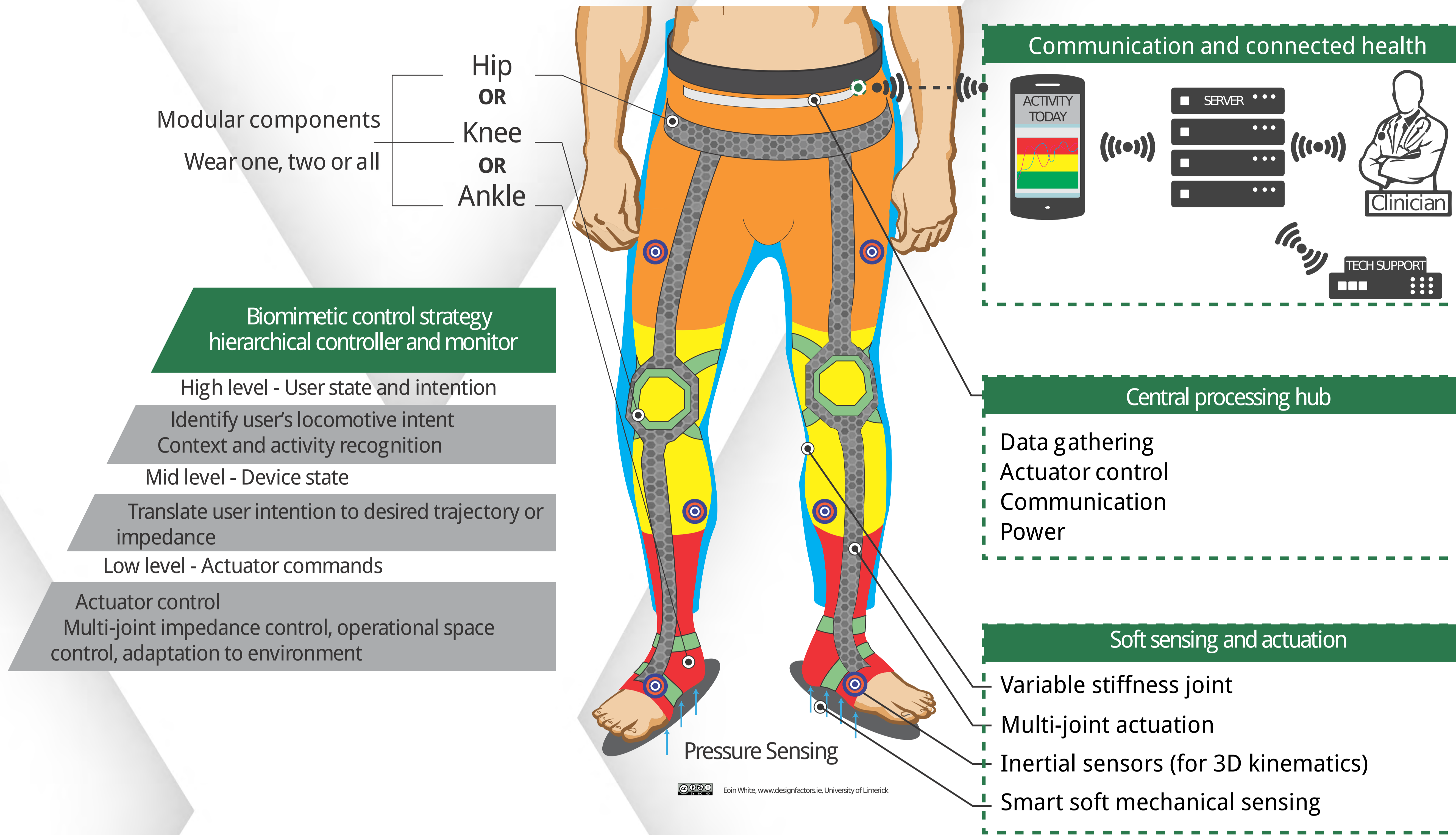
Description

XoSoft is a modular soft lower-limb exoskeleton to assist people with mobility impairments.

XoSoft, a class I medical device, assists people with low to moderate levels of reduced mobility, enabling them to remain active performing tasks of daily living. It can also be used in clinics by people with disabilities such as muscle weakness or partial loss of sensory functions.

Being a modular system, it comprises an ankle, knee and hip, which can be used individually or combined and used unilaterally or bilaterally. It aims to be easy and comfortable to wear, with a significant impact on the persons mobility and health, on their independence and quality of life.

Concept



Stakeholders

Primary Users



- Elderly person
- Individual with mobility impairments
- Stroke patient

Secondary Users



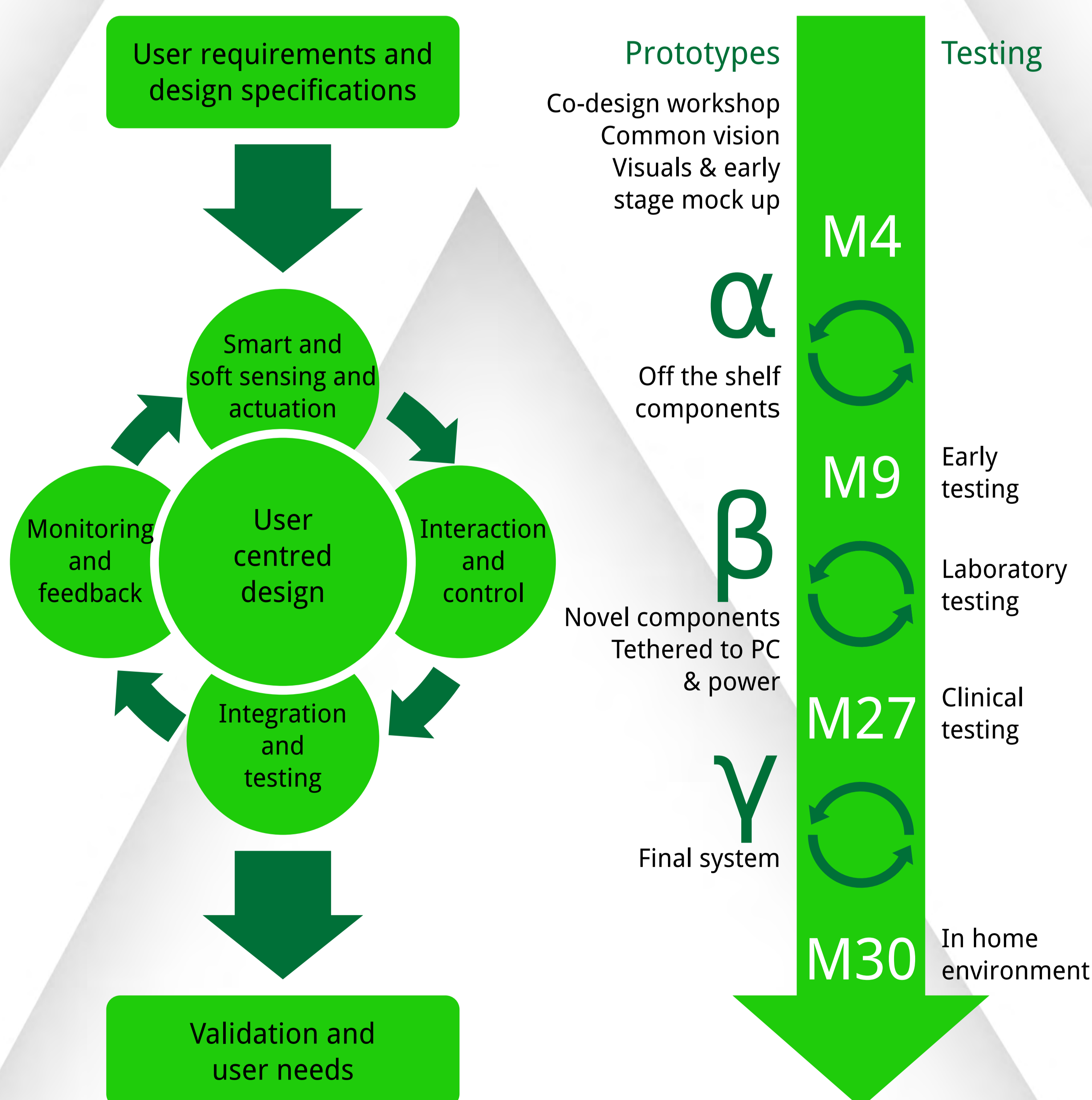
- Doctor
- Physiotherapist
- Carer
- Family member

Tertiary Users

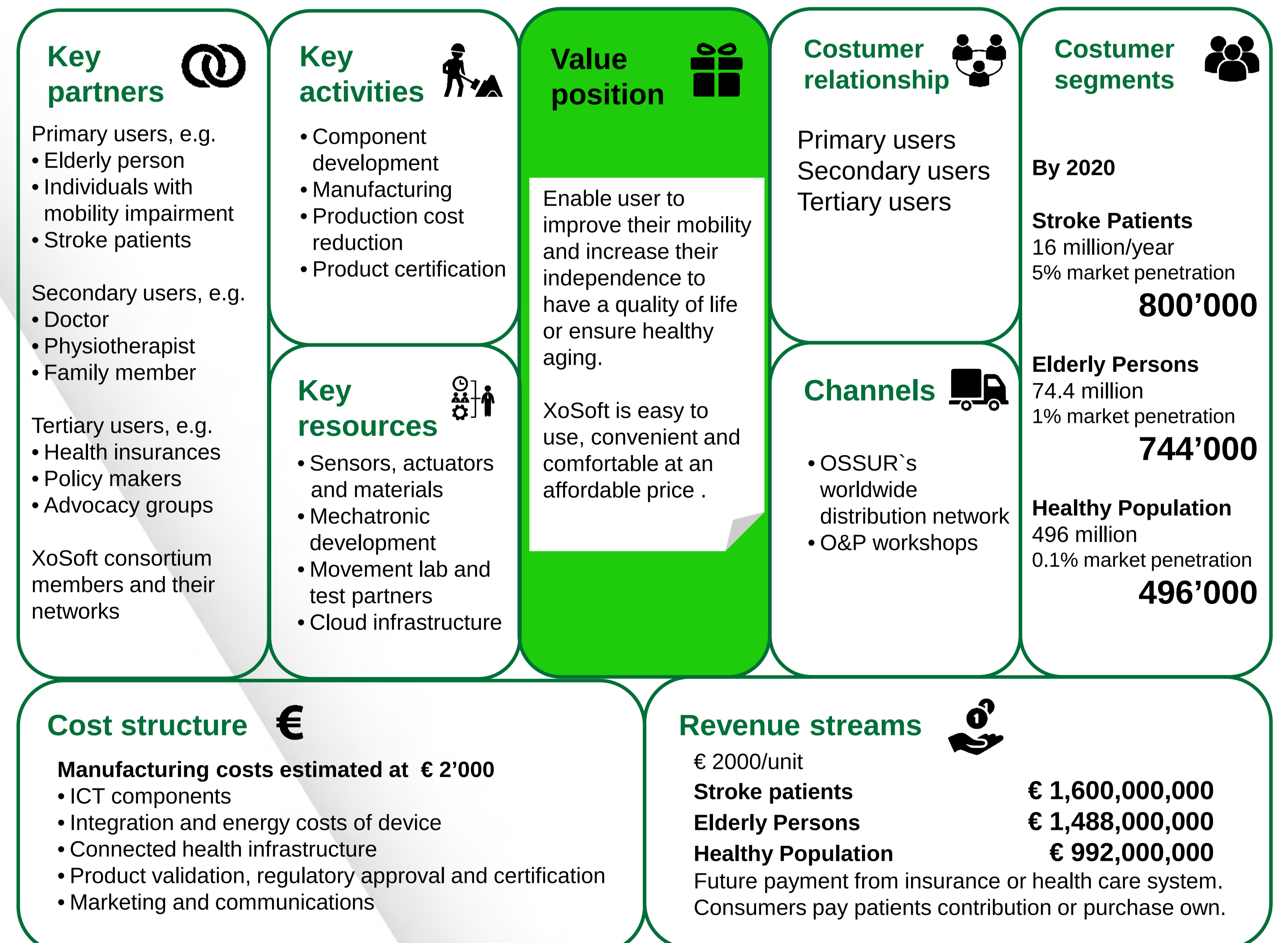


- Social welfare
- Health insurance
- Policy maker
- Advocacy group

User centred design



Business plan



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