WHEELCHAIR SOCCER ROBOT



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MOTIVATION

- Boomdesign
- Eline
- Need to do it yourself and have interaction
- Is there a need by a larger group?

WHEELCHAIR SOCCER AND THE SOCCER ROBOT

Main goal of the project: offering a new sport for people in a wheelchair by developing a wheelchair soccer robot.



WHEELCHAIR SOCCER AND THE SOCCER ROBOT

Main goal of the project: offering a new sport for people in a wheelchair by developing a wheelchair soccer robot.

- With one push of a button
- Automated catching system
- Can be used with regular wheelchair
- Participating in your neighborhood
- A new **sport**



Targetgroup – value proposition

- Sport, moving
- Feeling included, team spirit
- Build friendships, a tool against loneliness
- Social awareness
- Self-confidence, inclusion, self-reliance

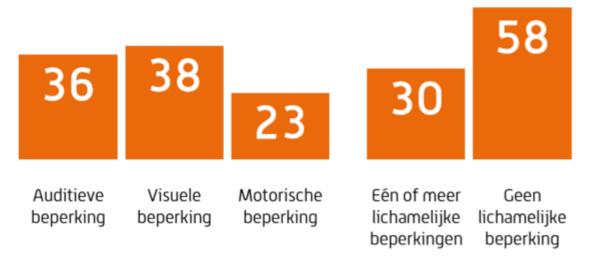


Target groep – The problem

- The target group has little choice
- Regular sports offer is not sufficient

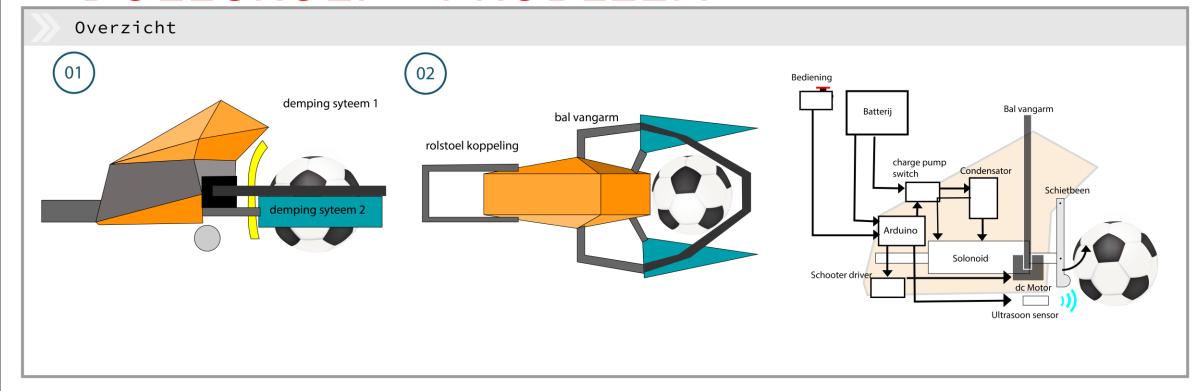
Wekelijkse sportdeelname

Mensen die één keer of vaker sporten per week (12-79 jaar, in procenten).

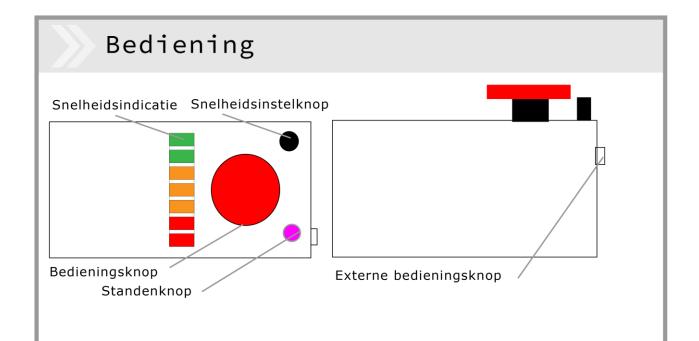


Bron: Gezondheidsenquête/Leefstijlmonitor, CBS i.s.m. RIVM, 2013-2015, bewerking Mulier Instituut

DOELGROEP - PROBLEEM

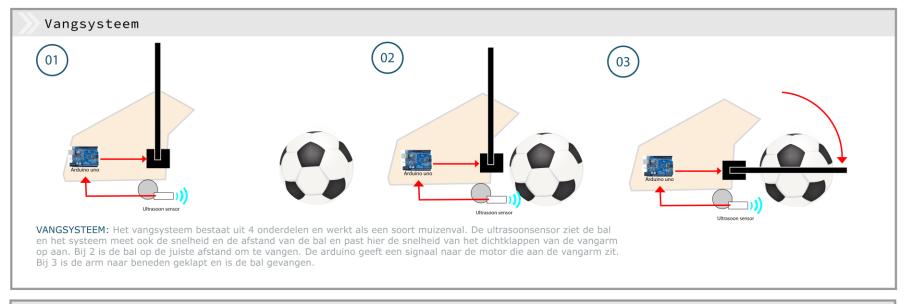


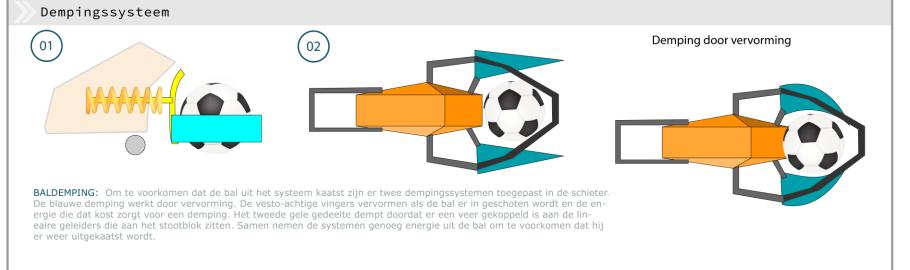
DOELGROEP - PROBLEEM



BEDIENING: Om de voetbalschieter te bedienen is er een bedieningsmodule die naast de armleuning van de rolstoel gemonteerd kan worden. Er zijn twee bedieningsstanden mogelijk die door de roze schakelaar worden geactiveerd. Bij de eerste gebruik je de snelheidsknop om vooraf de gewenste schietsnelheid in te stellen. Deze snelheid is af te lezen op de ledstreepjes. Vervolgens druk je op de rode knop om te schieten.

DOELGROEP – PROBLEEM





USER CENTERED DESIGN

- Technical testing
- 2 prototypes
- Research with target group Ouders geïnterviewd
- A lot of enthusiasm, technically possible, possibilities for sports, cost reduction(consumer price for parents between €800,- tot €900,-) production price 300 euro.

We can use your help!

- Inspiration and ideas
 - From your designs
 - From other designs
- Specific knowledge
 - Dampening system
 - Shooting system
 - Anti-collision / safety system
- General knowledge
 - Papers, articles, websites, youtube videos, etc.

THANKS FOR PARTICIPATING!

For questions or help, you can contact me

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COOPERATION PARTNERS

- Compagnys
 - Boomdesign
 - TMC
 - VDL Enabling Technologies Group (VDL ETG)
- Healthcare institutions
 - Libra Revalidatie & Audiologie (Sportinnovator Centrum Aangepast Sporten).
 - Sint Maartenskliniek.
 - Mytylscholen.
- Other partners
 - NOC*NSF.
 - Fonds Gehandicaptensport.
 - NSGK.
 - Gehandicaptensport Nederland.
 - Dirk Kuyt Foundation.