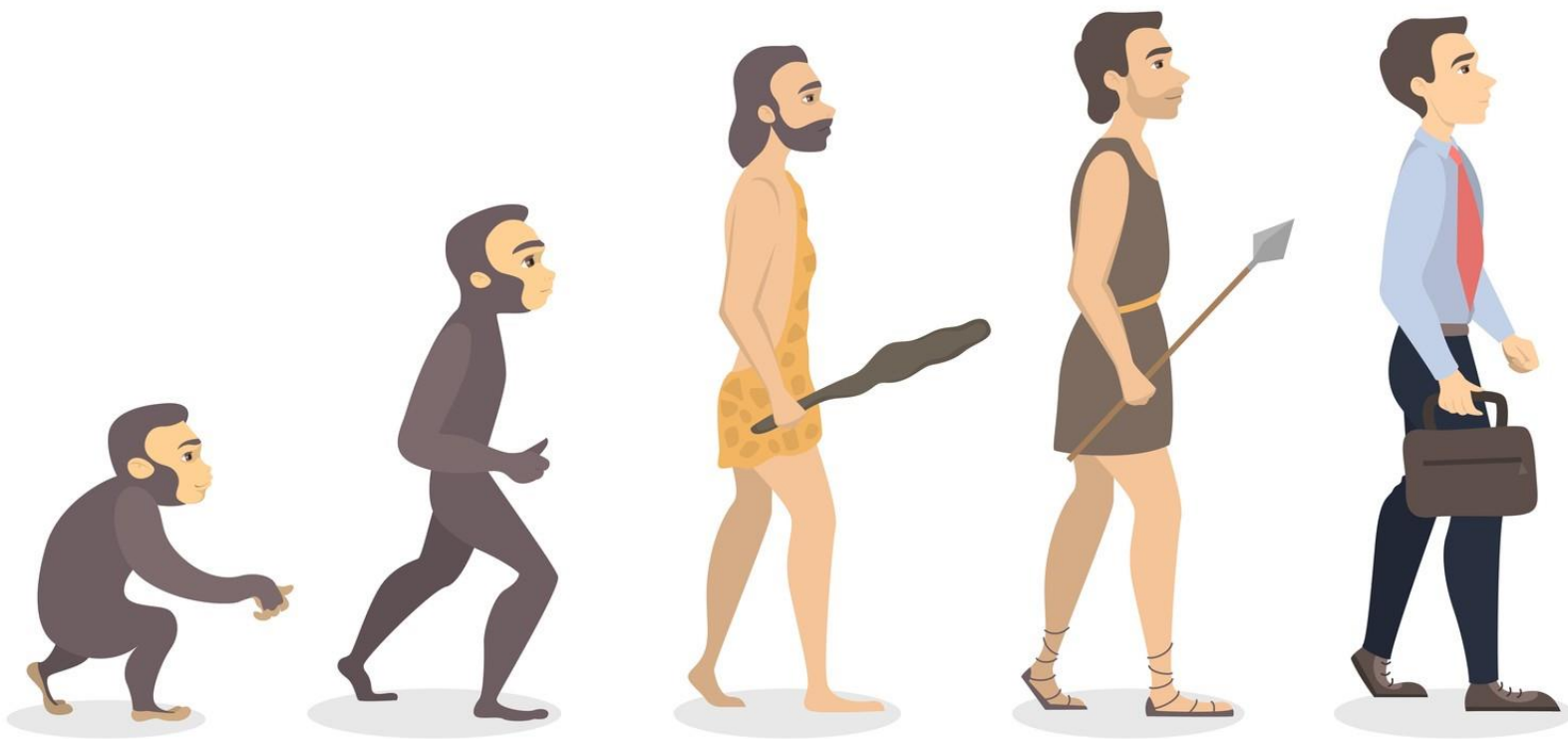


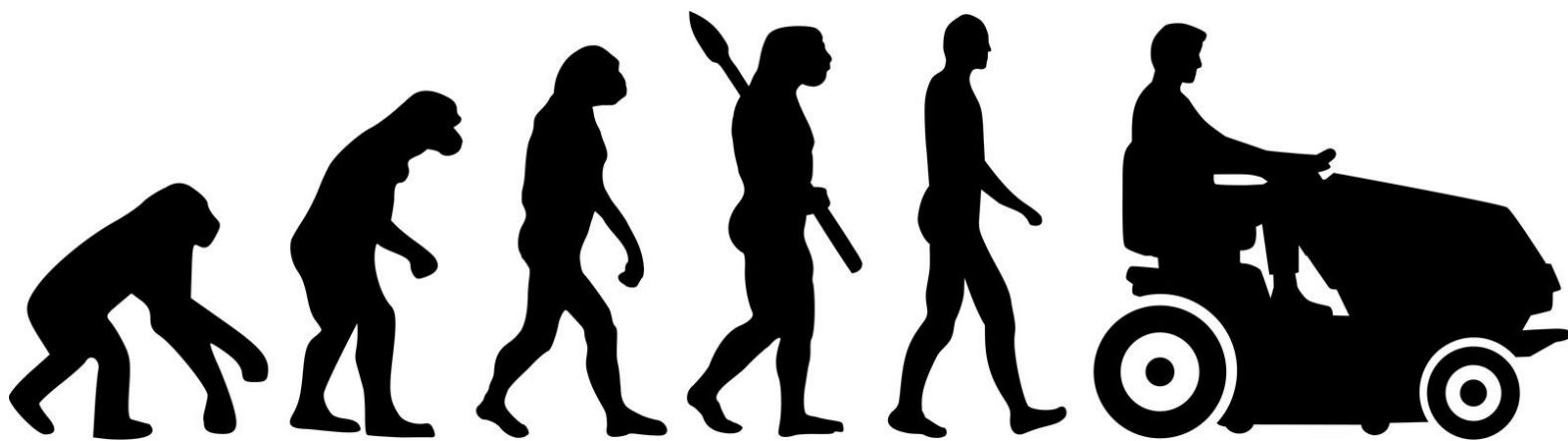
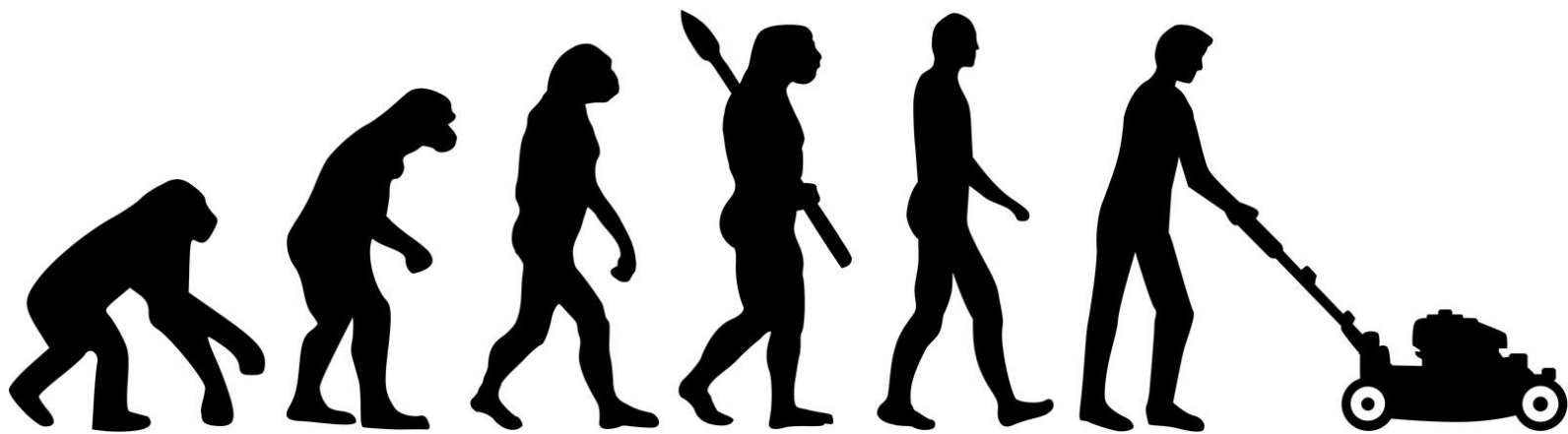
Technologie in ouderenzorg: Evolutie, opportuniteiten en uitdagingen

The background of the slide is an abstract composition. It features several glowing, semi-transparent silhouettes of human heads in profile, arranged in a way that suggests a progression or evolution. A bright, vertical beam of light, transitioning from yellow at the top to red at the bottom, runs through the center of the image, creating a strong visual axis. The overall color palette is dominated by warm tones of red, orange, and yellow, giving it a futuristic and energetic feel.

Rudy Mattheus Ms.c







Evolution of Phone



EVOLUTION CARS



1880



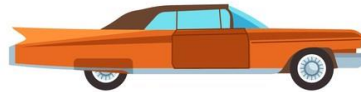
1900



1920



1940



1960



1970



1980



1990



2000



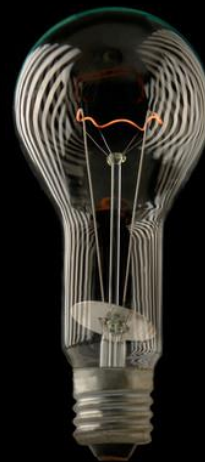
2005

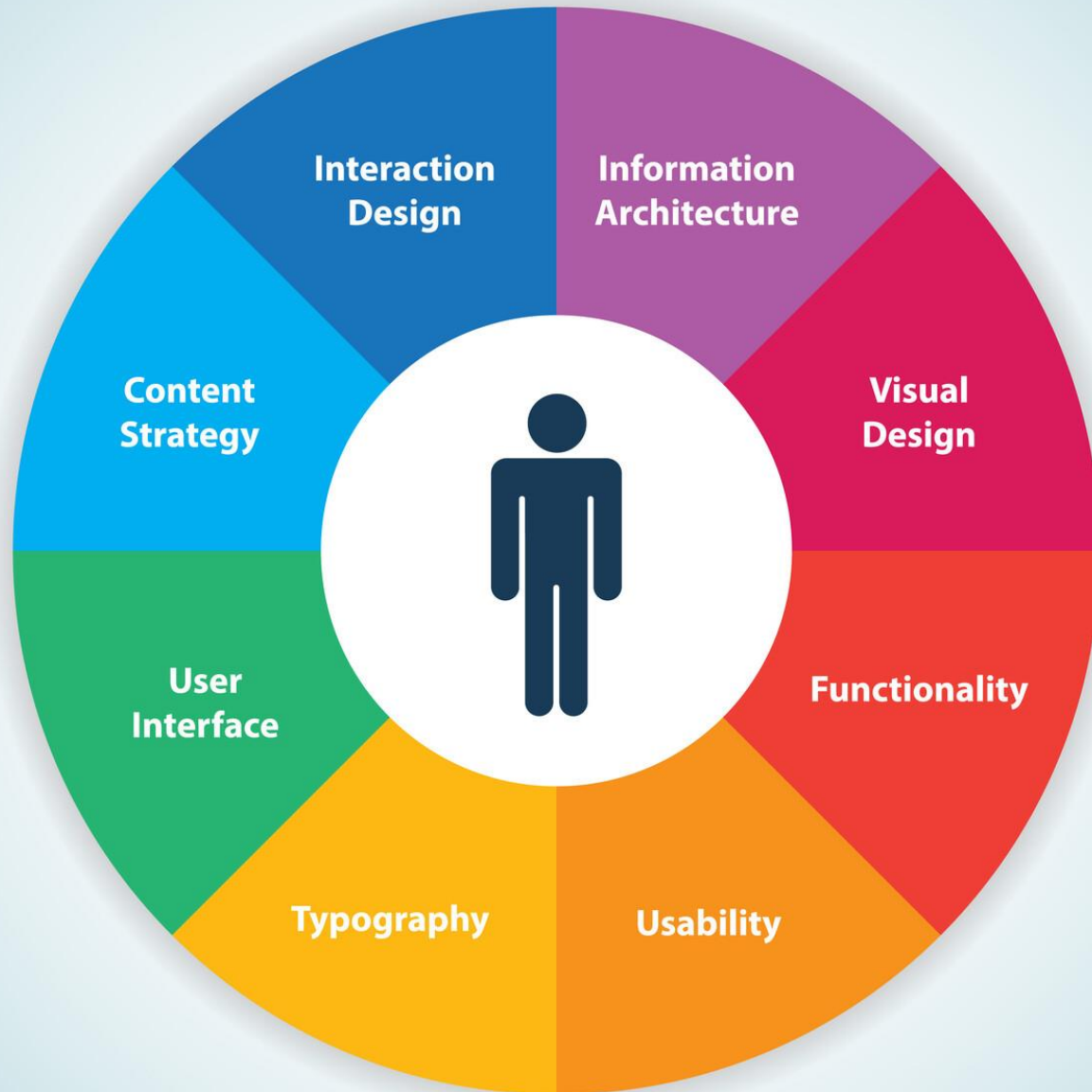


2010



2020







Independent Living

Cognition

Communication and Social
Connectivity

Personal Mobility

Transportation

Access To Healthcare

Independent Living

Hygiene

- Enable Safe and Regular Bathing
- Smart showers
- Behavioral changes
- Bacterial transformation
- Oral Health..
- Wounds Care

Nutrition

Medication

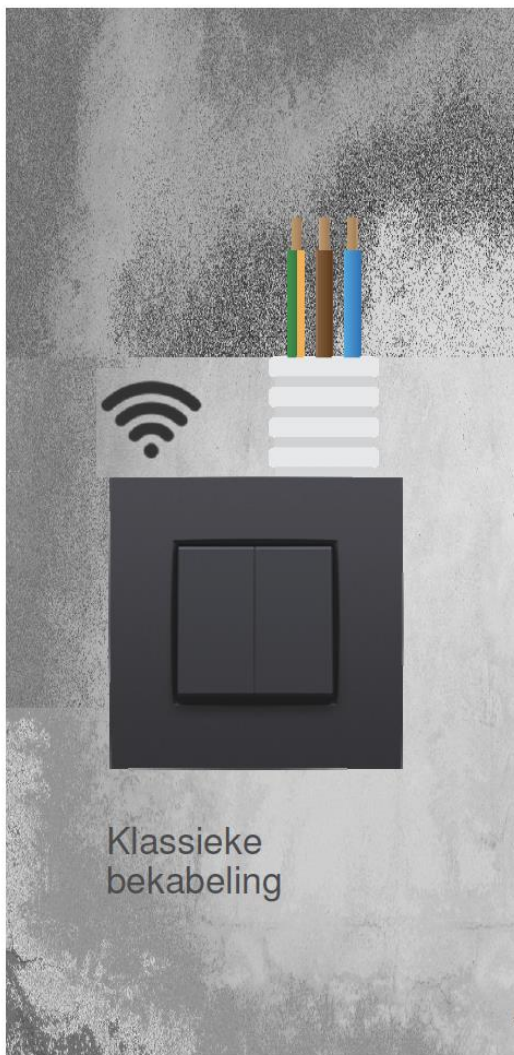
SMART HOMES

Thermostats Appliances Safety
Controllers Sensors Apps WiFi Outdoors
Security Systems Lights WiFi Cameras
Dimmers Wireless
Internet Alarms
Cloud Timers
Temp Control Doors Tablets
Programmable Garage
Home Theater Infrared Technology PC Based Speakers
Intercoms TV Motion Sensors
Access

Safe Storage
Entertainment
Mobile



Comfortabel
Veilig en
Toekomstbestendig
wonen
In een **digitale**
geconnecteerde wereld



Muur Intelligentie (inbouwdoos)



Geconnecteerde tweevoudige schakelaar*



Energiemetende
Geconnecteerde schakelbare
wandcontactdoos



Touchswitch*



Geconnecteerde enkelvoudige schakelaar*



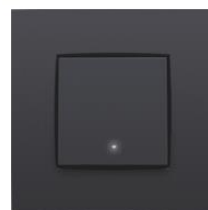
Slimme hub
IP gateway



Draadloze bewegingsmelder



*Uitbreiding met normale drukknoppen



Geconnecteerde dimmer*



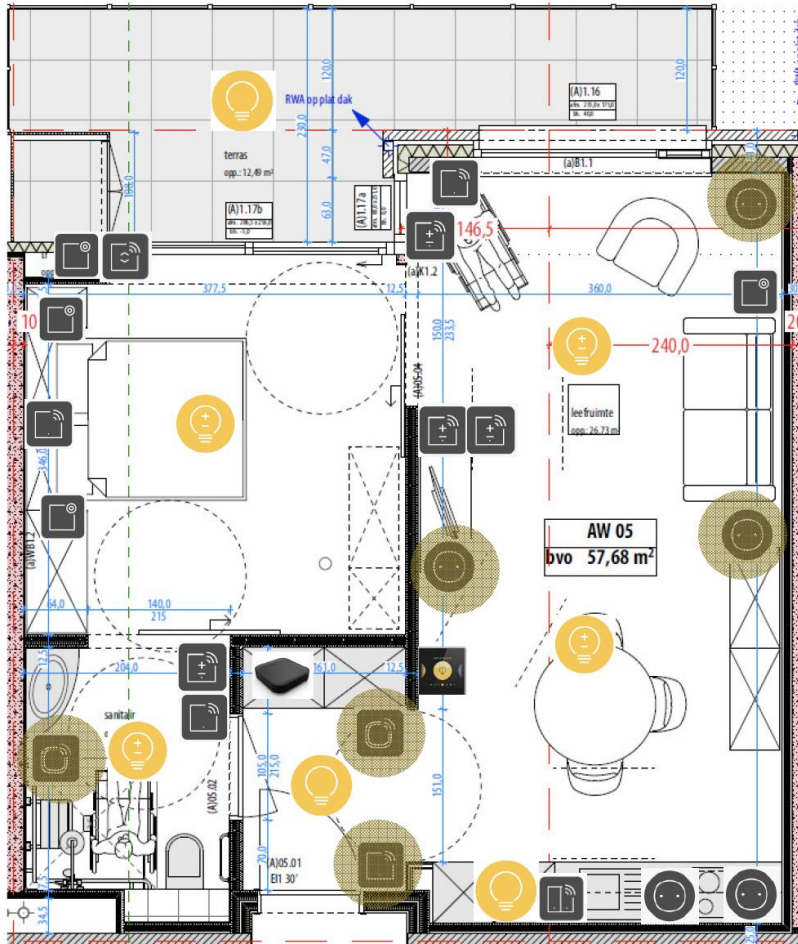
Geconnecteerde motorsturing

niko
Illuminating ideas.



- **Flexibel** en **verlicht** **verwarmingsrolluiken**
- Intuïtief en makkelijk te bedienen
- Hoogwaardig en duurzaam
- Nabijheid tot de natuur
- Past in elke stijl en inbouw
- Net zo goed als een raam met schakelbediening
- Configuratie van de afmetingen eindgebruiker

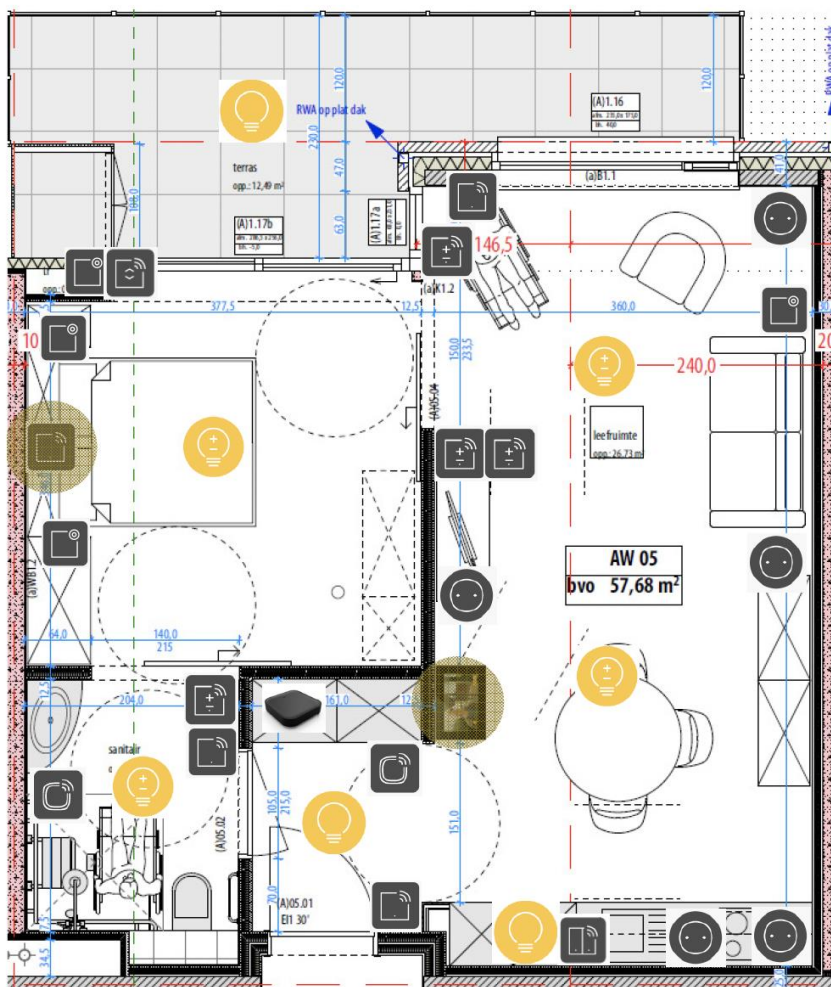




COMFORT

- Conventionele drukknop bediening en **Smartphone bediening** vanaf eender waar
 > verlichting, sfeer, alles-uit, paniek, alarm
- **Automatische verlichting** in de inkomhal en op de looproute slaapkamer - badkamer
- **Knop 'Alles-uit'** bij de voordeur
- **Alarmfunctie en -melding** als ongewenste personen je woning betreden
- **Aanwezigheidssimulatie** wanneer je niet thuis bent om ongewenste personen te misleiden
- **Bedien je stopcontacten** - (vb) staanlampen en voeg ze toe aan je aanwezigheidssimulatie. Zet sluimerverbruikers uit bij 'Alles-uit' (vb digibox)

niko
illuminating ideas.



Geconnecteerde enkelvoudige schakelaar



Draadloze uitbreiding



Interne Video Unit OF NHC Touchscreen

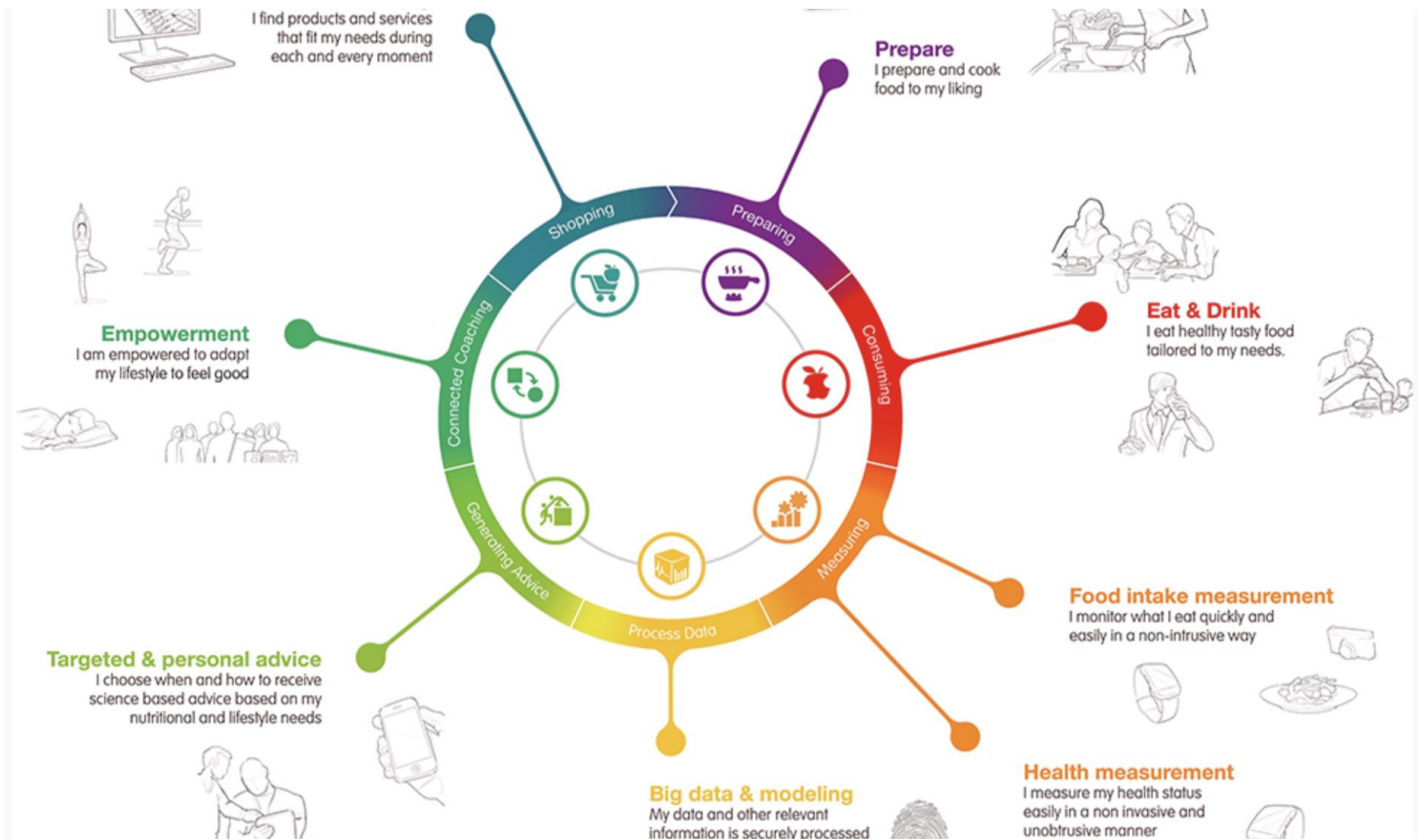


MUD video buitenpost

VEILIGHEID

- Kijk wie er voor je deur staat, als je thuis of weg bent via de interne video unit, **NHC Touchscreen** of met de smartphone/tablet (vanuit je bed, sofa of van waar je ook bent buitenshuis)
- Voel je veilig als je thuis bent met een **paniekknop** die je kleeft waar je wil. Bij een druk op de knop gaan alle lichten aan en wordt desgewenst een bericht naar een mantelzorger gestuurd.

niko
Illuminating ideas.



Personalised Nutrition

Cognition



Assess Reasoning



Memory



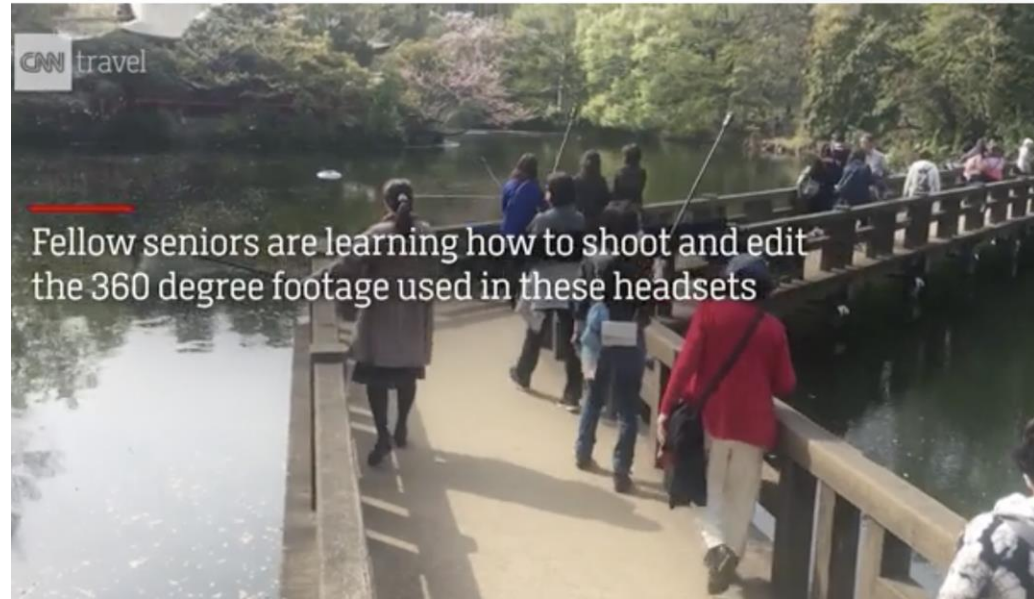
Communication Abilities



Cognitive Training

VR

- VR keeps the brain active
- VR promotes movement
- VR promotes socializing





Communication and Social Connectivity



Hearing



Social Connections



Personal Mobility

Assistance with Navigation

- Home
- Neighborhood

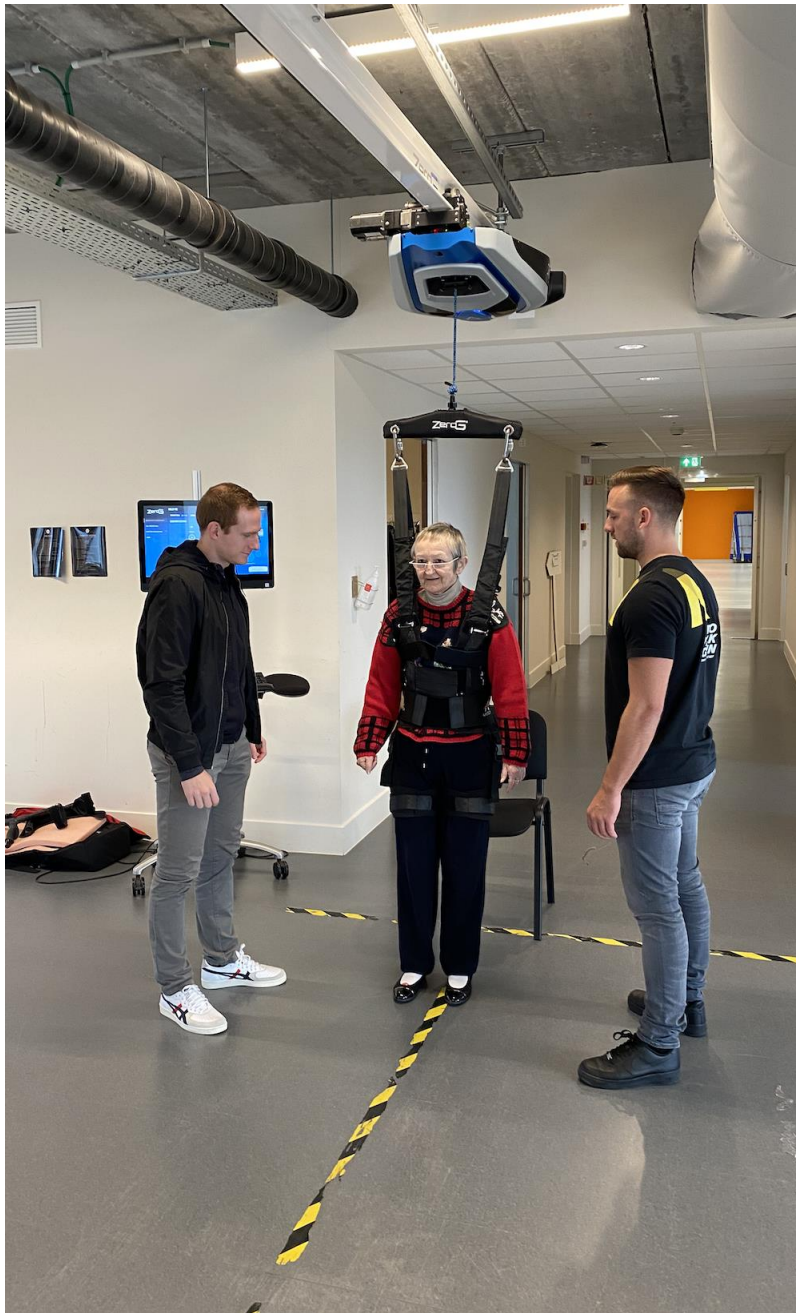
Rehabilitation

- Home
- Neighborhood

Monitoring and Safety

- Monitoring movement -> Well-being
- Prevent falls

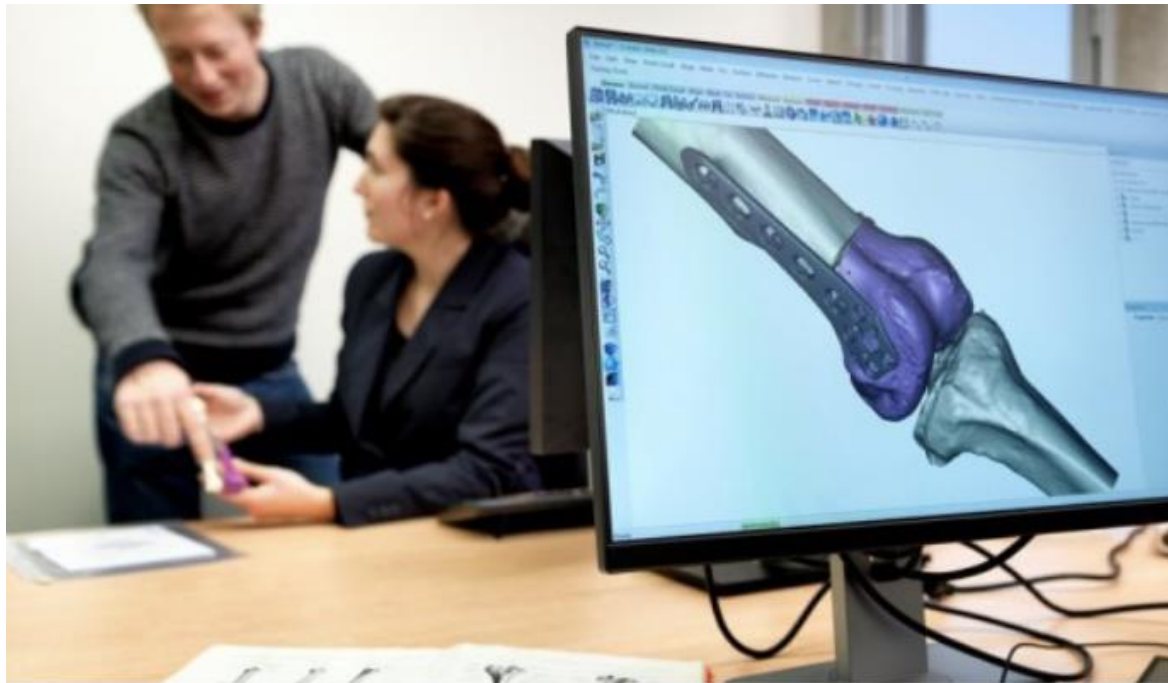




Materialise Medical

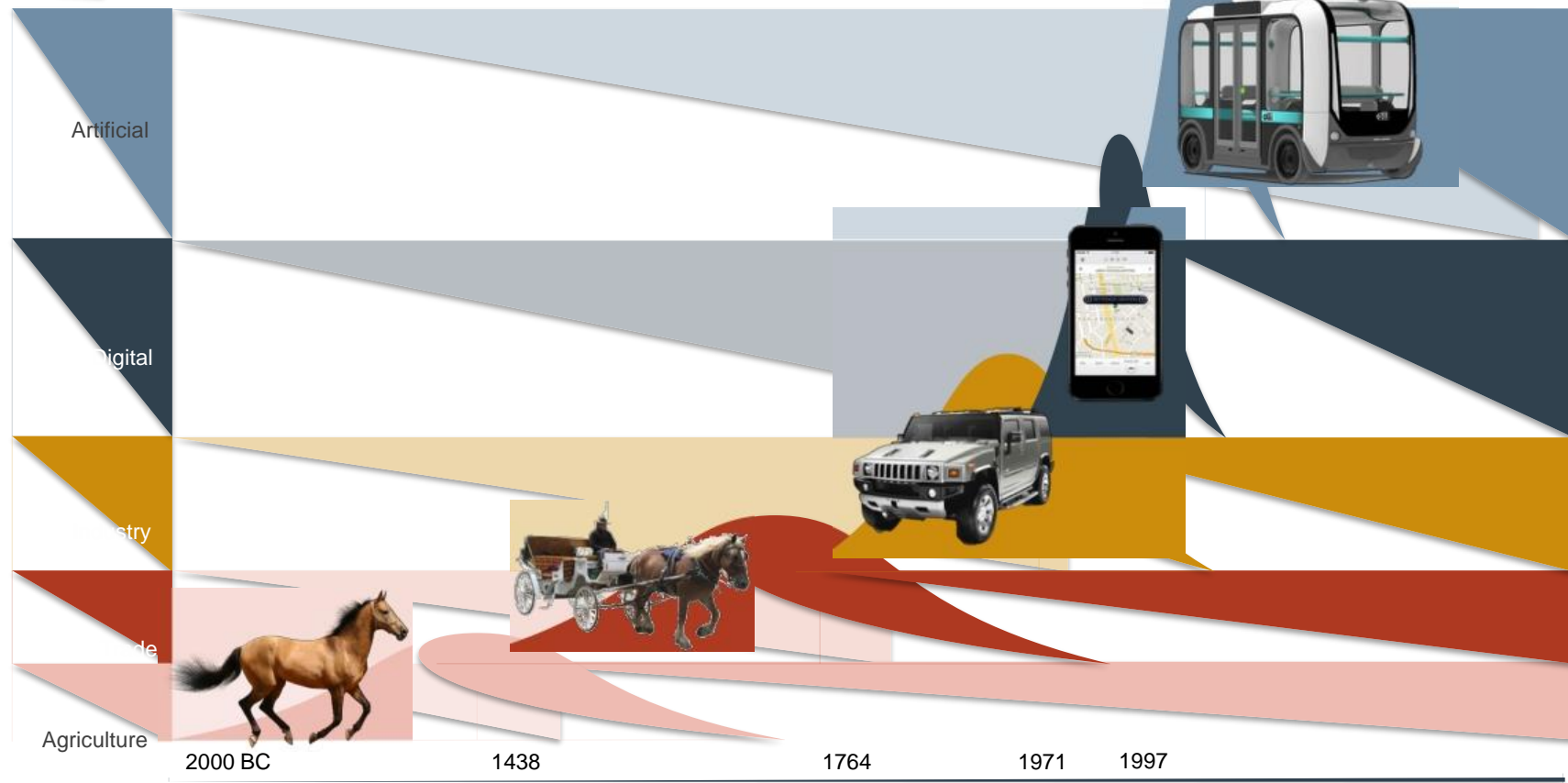
Building a healthier world for everybody.

Materialise Medical has pioneered many leading medical applications of 3D Printing and is enabling researchers, engineers and clinicians to revolutionize innovative patient-specific treatment that helps improve and save lives. Discover our open and flexible platform of software and services which forms the foundation of certified Medical 3D Printing.





Technologies define means to fulfill basic human needs: mobility



Access to Healthcare

Telehealth

Healthcare access and
quality

Promote Smoother Care
Transitions

E-care

Medical technology enabling change towards continuous self-monitoring and ...



What is Assistive Technology?

- Devices and services that help individuals with special needs:



Remembering



Seeing



Reading

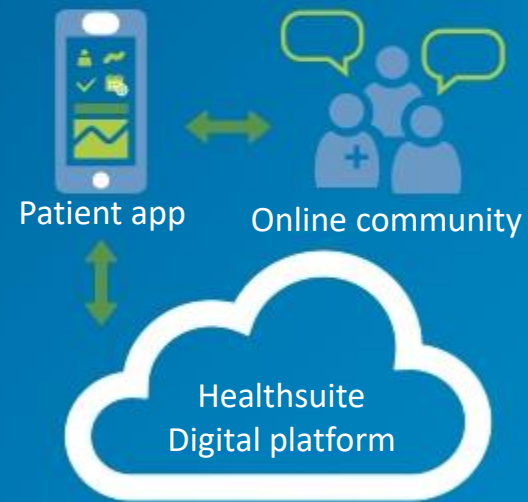


Communication



Listening

Gezondheidstransformatie en kennistechnologie drijven paradigm shifts





WIRELESS IMPLANTABLE MEDICAL DEVICES

Deep Brain
Neurostimulators



Cochlear Implants



Cardiac Defibrillators/
Pacemakers



Gastric
Stimulators

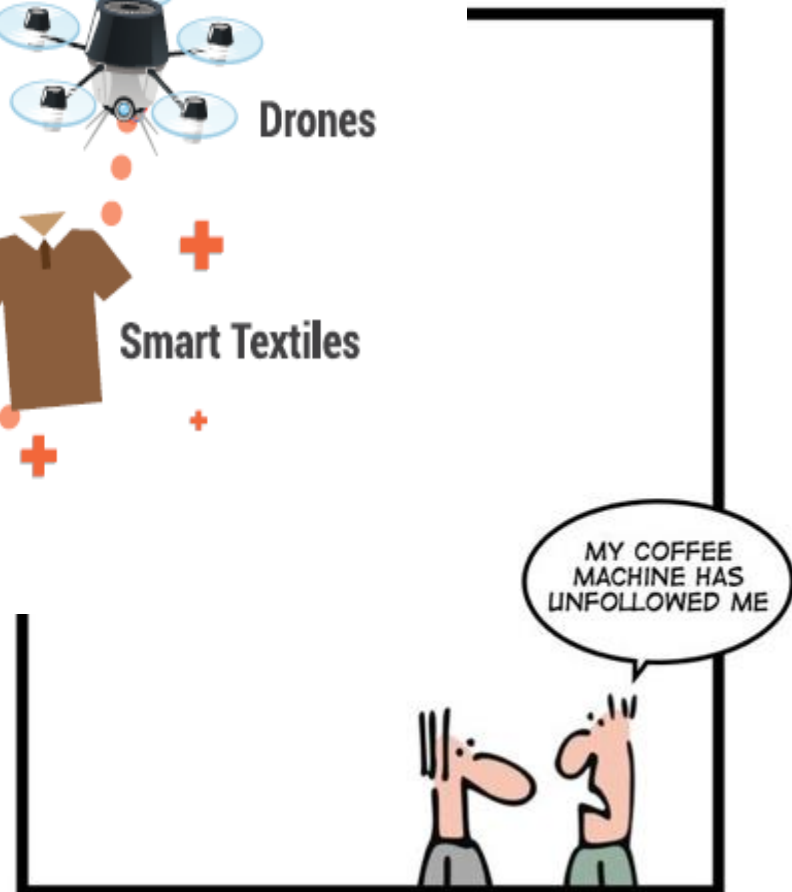


Insulin Pumps



Foot Drop
Implants





THE INTERNET OF THINGS

Henry van
de Velde
Gold Award
20 Business
Innovation

Demetra

Design Verhaert & Barco
Client Barco

Driven by FLANDERS DC



WVDC FOR
DESIGN

AGENTSCHAP
WETENSCHAP &
ONDERNEMEN

Vlaanderen
Flemish Region

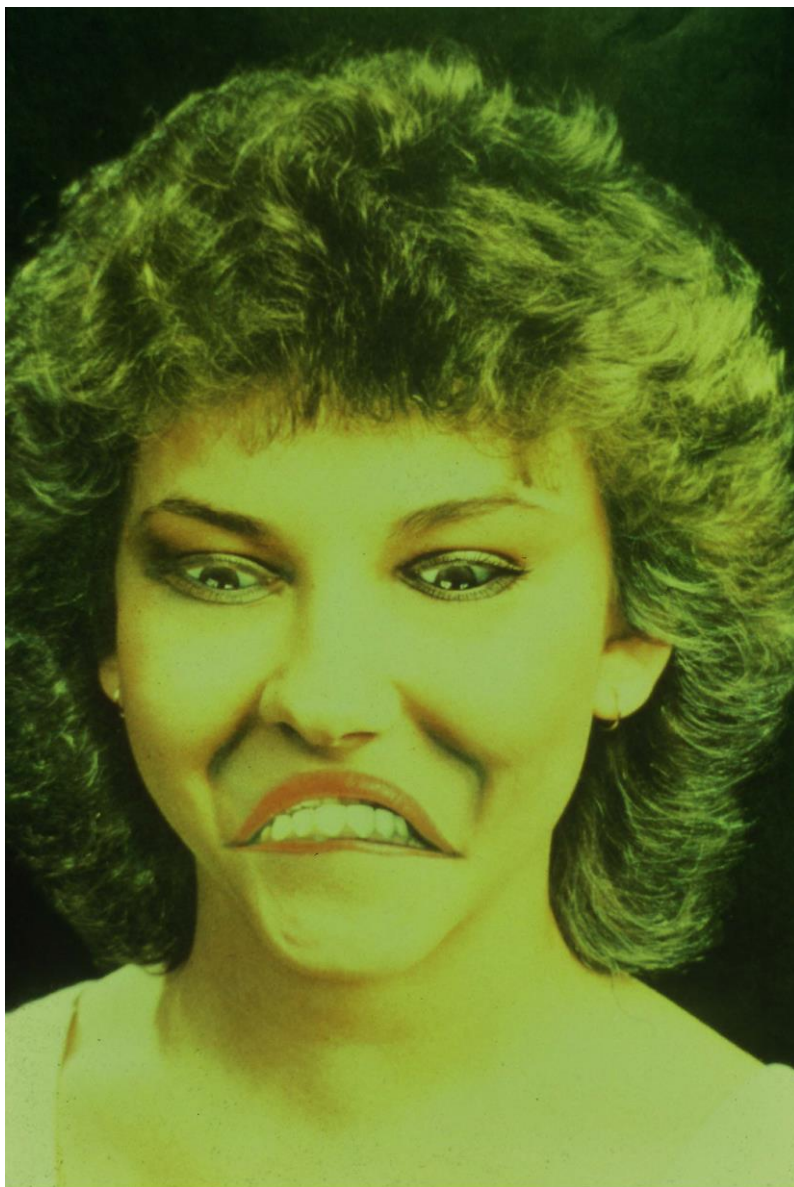
BOC

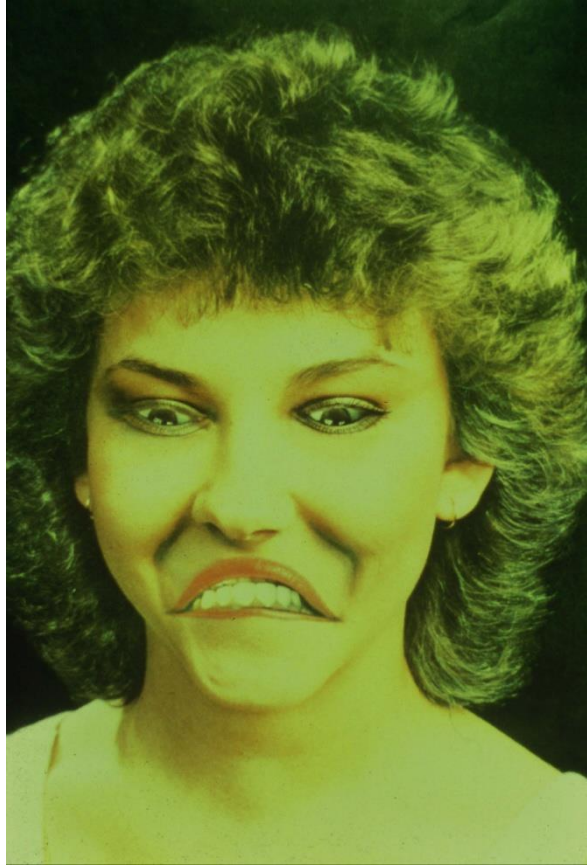




Vlaanderen
is innoveren en
ondernemen in zorg



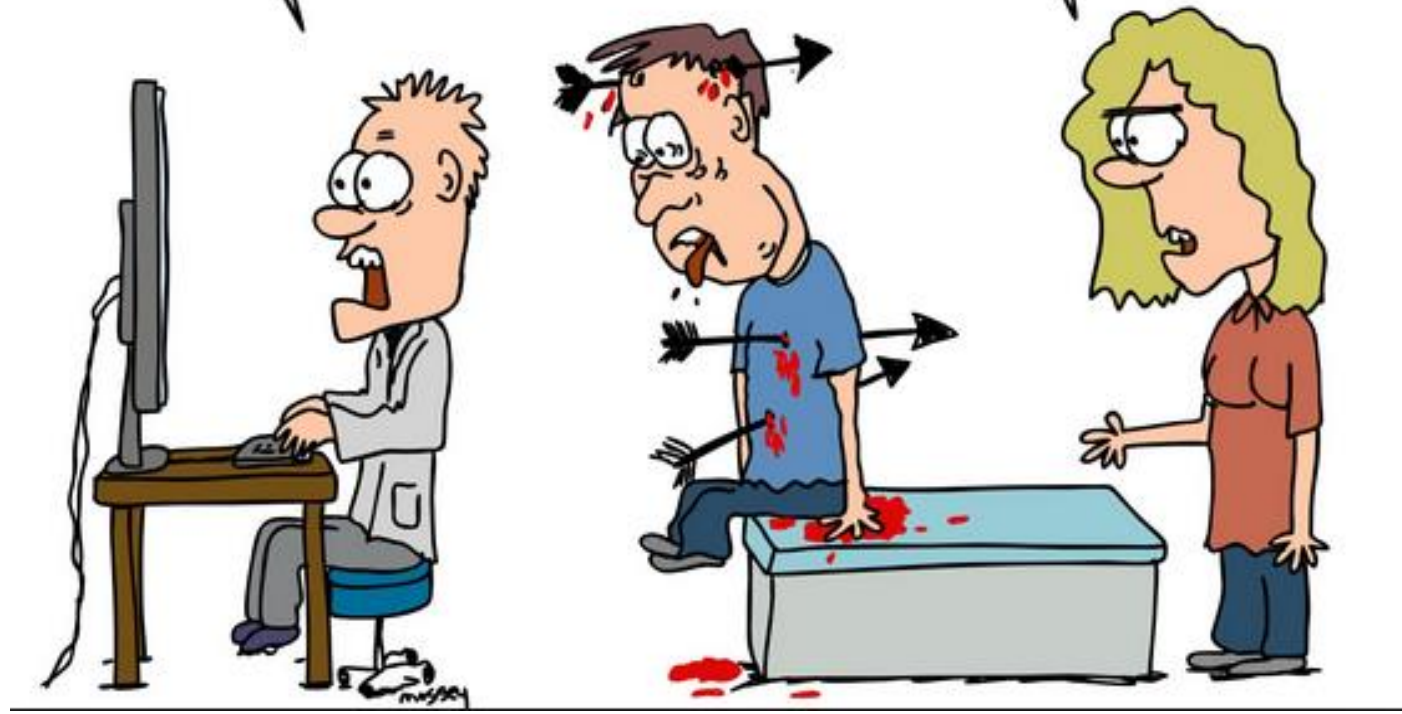




WOW! YOUR
CHOLESTEROL
HAS ME REALLY
WORRIED!

GACK!

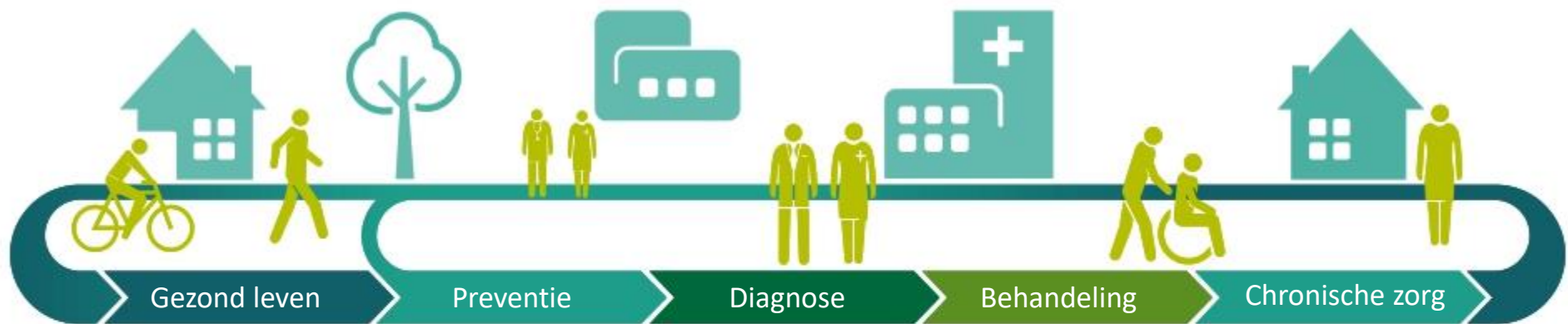
UH... YOU MIGHT
WANT TO ACTUALLY
LOOK AT THE
PATIENT ...







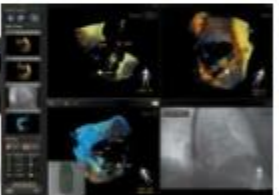
Health Continuum : juiste informatie op juiste moment op juiste plaats



Gezond leven



Preventie op 'point of need'



Anatomische intelligentie



Interventionele oplossingen



Care coördinatie



Therapie-compliance



Klinische pathologie



Genomics



Co-Creation – Innovation – Creativity - Entrepreneurship





European Innovation Partnership on Active and Healthy Ageing

REFERENCE SITE

As a result of the [Extended 3rd regional and local organisation](#) total number of Reference Sites

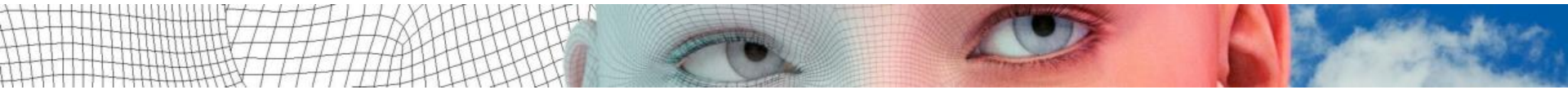
These organisations have demonstrated innovation and to understand the needs of the ageing population. They are based on a ["Quadruple Helix" model](#) involving academia and government at the local level, [structural change far beyond](#)

[own](#), helping to create an environment for other regions across Europe to learn, transfer and adapt knowledge to local realities, with regional, social and economic development as the long-term objective.

FLANDERS' CARE BEKROOND TOT EUROPESE REFERENTIESITE

30 JANUARI 2020

Flanders'Care is door de Europese commissie bekroond als referentiesite voor de kwaliteitsvolle samenwerking tussen zorgactoren, industrie, onderzoekscentra, patiëntenorganisaties en overheid.



At the dawn of a societal revolution: the most adaptable survives



Rudy.Mattheus@me.com