

citizens



In 2050, the **33% of population** will be **over 60 years old**

Decrease of fertility rate within worldwide developed markets

Increase **spending** on **healthcare** and **welfare system**



MAIN ISSUE

Today, the welfare system is still deeply structured with assistive traditional methods, which are managed directly by staff, careers and doctors, with high demanding of time and costs.



THE NEXT FUTURE

sts?



SENIOR PEOPLE AND SMART TECHNOLOGIES



77% OVER 65 OWN A CELL PHONE

59% OVER 65 SURF ON INTERNET

27% OVER 65 OWN A TABLET

55% OVER 65 HAVE BROADBAND AT HOME

IOT FOR A BETTER LIVING



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IOT FOR A BETTER LIVING



STATE OF ART OF TECHNOLOGIES

WHAT WE HAVE TODAY?



STATE OF ART OF TECHNOLOGIES

WHAT WE HAVE TODAY?



INTERFACE DESIGN

COMPLEXITY INSIDE SYSTEMS

EMOTIONAL DESIGN

HUMAN COMPUTER INTERACTION

AFFORDANCE

USER ACCEPTANCE

USER CENTERED DESIGN

SIMPLICITY & USABILITY

ASSISTIVE TECHNOLOGIES

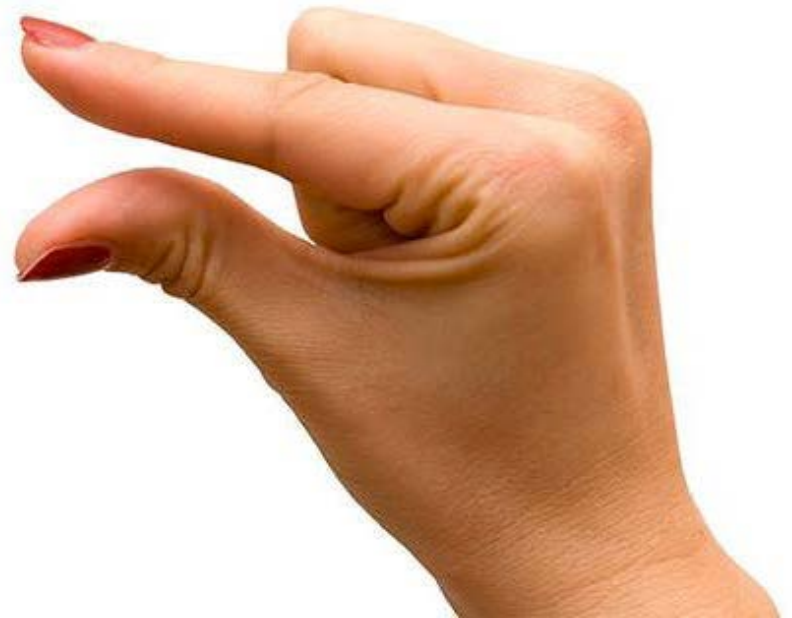


EMOTIONAL DESIGN



EMOTIONAL DESIGN

PINCH
TO
ZOOM



AFFORDANCE IN DESIGN

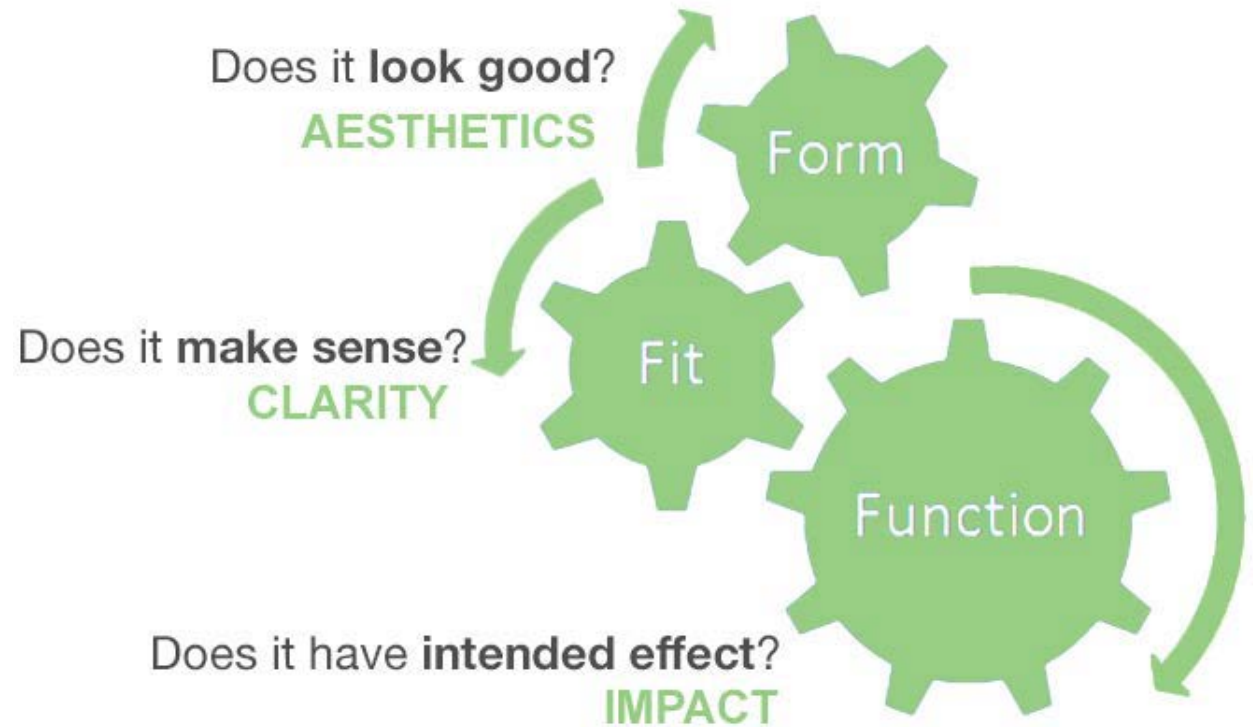
KNOB HANDLE



LEVER HANDLE



FORM - FIT - FUNCTION



STARTING POINTS: USER NEEDS

Implicit & Usability

- Complexity inside systems
- User Acceptance – Affordance



SENIOR FRIENDLY HOUSES: HIGHLIGHTS



KEY POINTS

DEVELOP & CONSTRUCTION

FEEDBACKS

EVALUATION

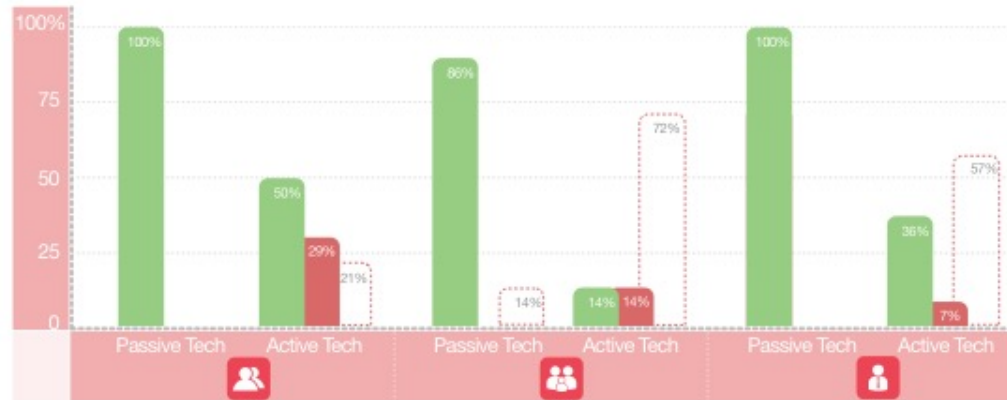
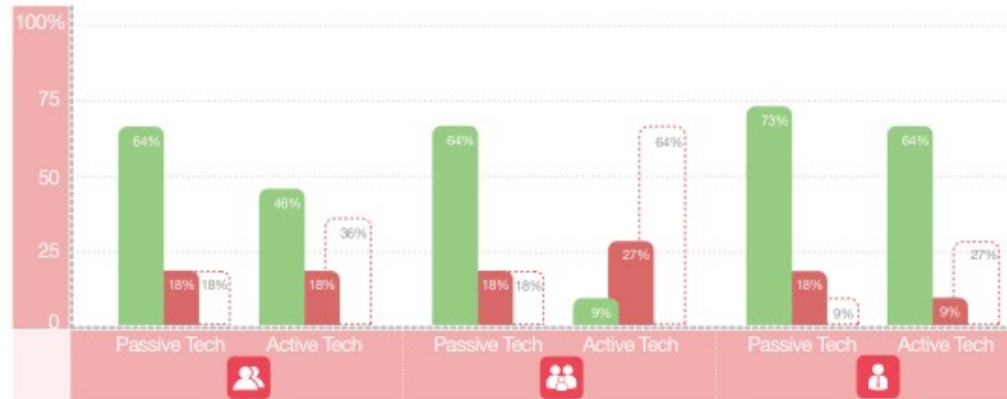
PASSIVE

ACTIVE

USER F






SENIOR FRIENDLY HOUSES: RESULTS



Users

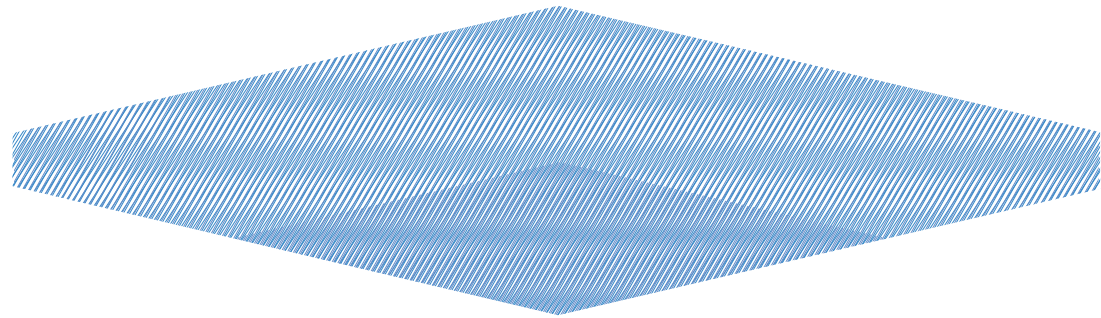
-  Primary users
-  Secondary users
-  Experts, designers, researchers, doctors

Feedback

-  Positive feedback
-  Negative feedback
-  Not available feedback



A STRATEGY FOR DESIGNING A SENIOR FRIENDLY ENVIRONMENT





LIFELONG HOUSING DESIGN: LABELS

A new assessing and evaluation method for establishing Good Design Practices to guarantee accessibility, adaptability and flexibility features for a Senior friendly house.





LIFELONG TECHNOLOGICAL INTEGRATION: SMART PACKAGES

Philips HUE Lighting System

Comfort Pack

Wireless system connection

APP Application provided for usage & control

Power supply needed

COMFORT PACK

VIPER Home Security&Monitoring

Safety Pack

Wireless system connection

APP Application provided for usage & control

Power supply needed

SAFETY PACK

SAMSUNG Novobot cleaning Robot

Family Pack

Wireless system connection

APP Application NOT provided

Power supply needed

FAMILY PACK

CUPTIME Smart Cup aider

Health Pack

Wireless system connection

APP Application provided for usage & control

Power supply NOT needed

HEALTHY PACK

ENERG

Elektronika II ERB3003W

A++

235 kWh/annum

245 l, 92 l, 39 dB

PER SERVING

450 CALORIES, 5g SAT FAT (25% DV), 360mg SODIUM (15% DV), 14g SUGARS, 500mg POTASSIUM (14% DV), 3g FIBER (12% DV)

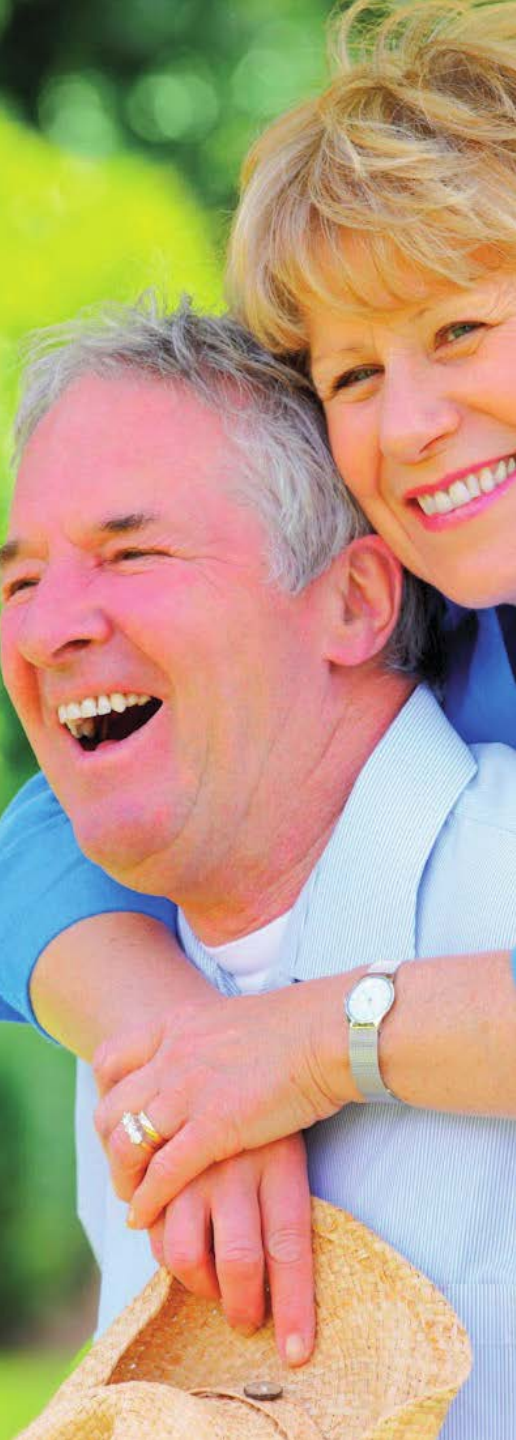
Philips HUE Lighting System

Comfort Pack

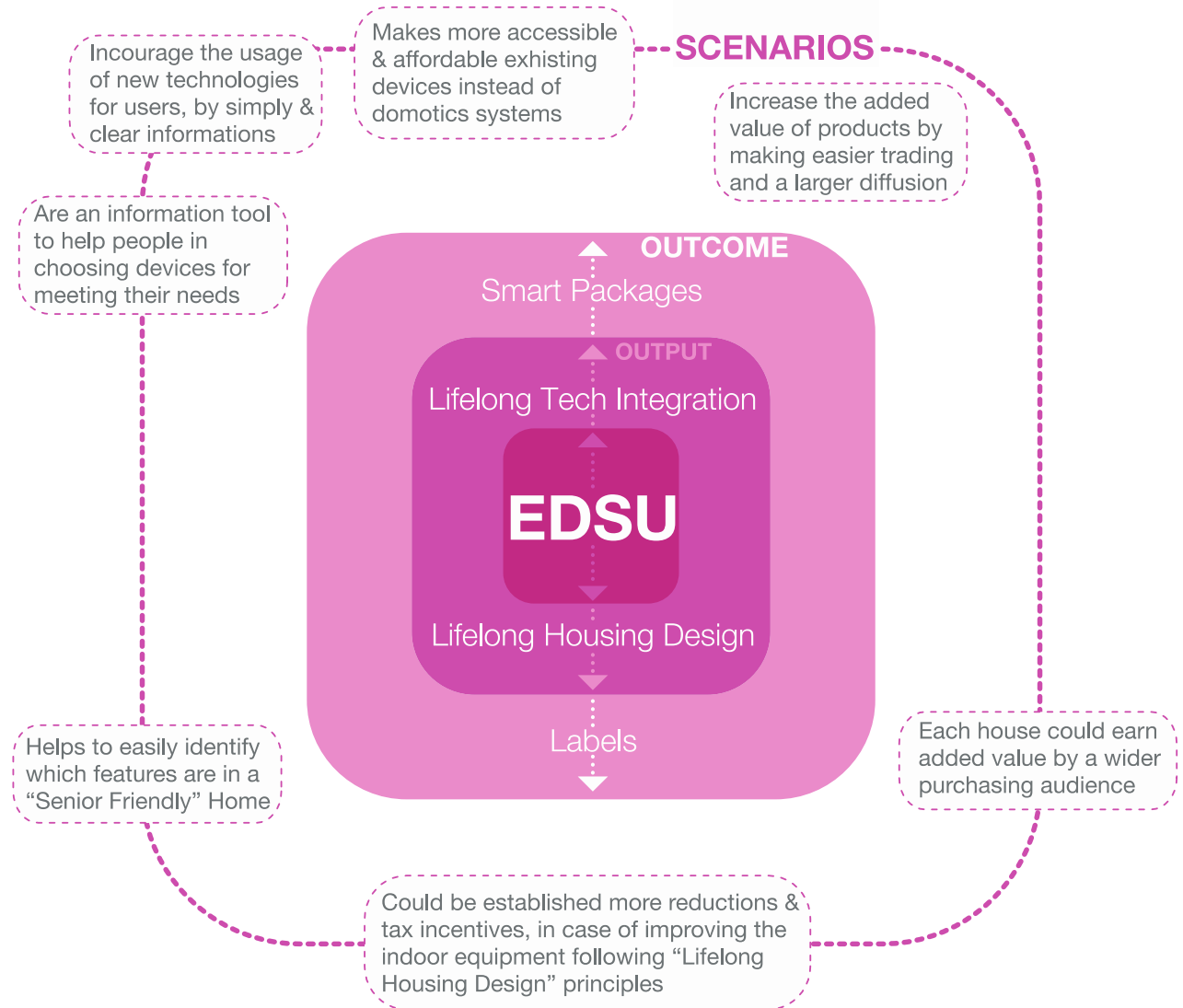
Wireless system connector

APP Application provided for usage & control

Power supply needed



DESIGNING SCENARIOS



**«GOOD
DESIGN
ENABLES,
BAD
DESIGN
DISABLES!»**

Paul Hogan, EIDD-DFA Europe president Emeritus

Senior citizens