

Smart Health TV

Smart TV platform for distance Healthcare and
Social Care at Home

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Smart Health TV Solution s.l. (Spain)

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CRANE



Funded by
the European Union

This project has received funding from the European Union's Horizon 2020
research and innovation programme under grant agreement No 965277

About us



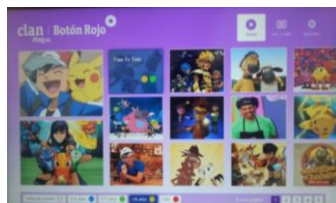
- Smart Health TV Solution S.L., funded in 2017. Small company (EU definition)
- Professionals with more than 15 years of experience in the Interactive TV and Smart TV industry, now focused on Health and Social Care services, mainly for seniors (+65), people with disabilities or people without digital education (at the other side of the digital divide).
- Trials projects carried out with reference institutions in Social and Healthcare services in Spain: Andalucía Healthcare Services, Spanish Red Cross



Servicio Andaluz de Salud
CONSEJERÍA DE SALUD



- Official developer for Interactive TV and Smart TV services for the Spanish Public Broadcaster (RTVE) and the Catalonia Public Broadcaster (TV3)



Corporació Catalana
de Mitjans Audiovisuals, SA



Our Vision



Every home with access to advanced digital healthcare and socialcare services, to help people to improve their quality of life, no matters people age, physical/cognitive condition, digital literacy, education or economic status

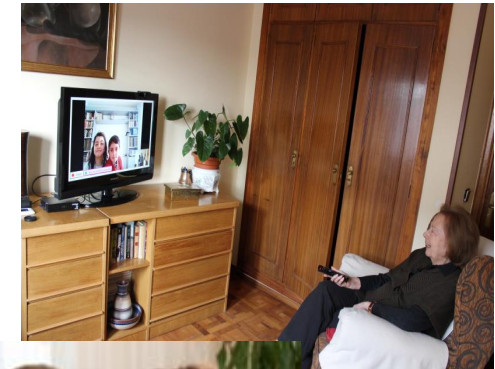
Current and Future Digital Healthcare / Socialcare Services



Problems of Digital Divide / Accessibility / Usability



Patients, relatives and caregivers at home



Our Mission



Develop technologies to remove the accessibility barriers and bridge the digital divide, allowing people to access and use current and future digital Healthcare and Socialcare services at home

Current and Future Digital Healthcare / Socialcare Services



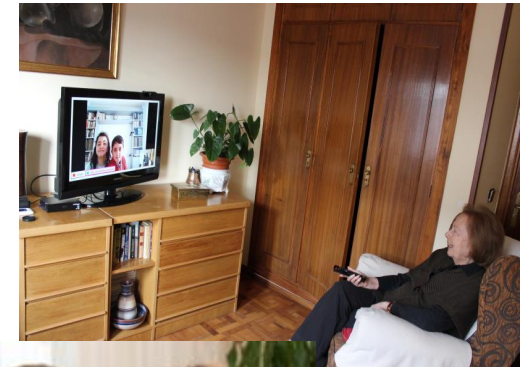
Problems of Digital Divide / Accessibility / Usability



SMARTHEALTH
TV SOLUTION



Patients, relatives and caregivers at home



Our Solution: The Home TV as main interactive device



A TV-based system to support people in the access and use of advanced digital Health and Social Care services at Home



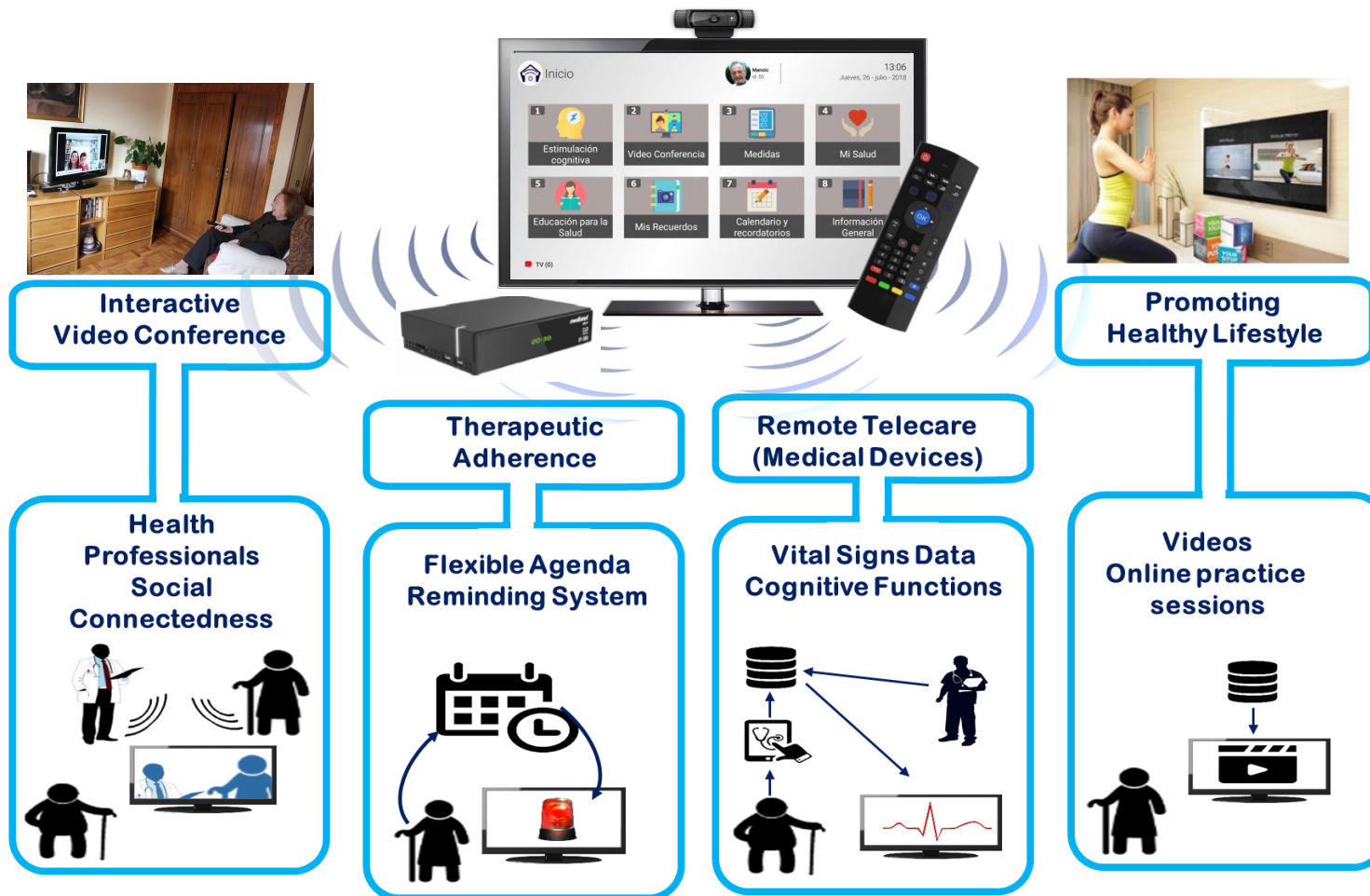
Our main goals

Improve the quality of life for patients and also their relatives and caregivers
Sustainability, resource optimization and saving cost for the Health and Social Care system

A specific Smart TV Platform for Healthcare services



The TV at home as main interactive device



Our Solution: Basic functionalities

Videoconference



Reminders, alerts and notification over the Broadcast TV



Multimedia content (Health education, healthy lifestyle etc.)



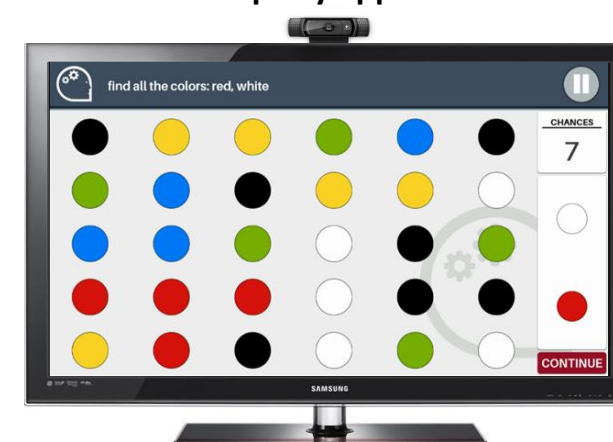
Medical device monitoring



Personal multimedia content (photo, videos uploaded by relatives)



Cognitive games, other third-party apps



Our solution: Easy to deploy and use

Easy to use for Patients and informal Caregivers



SMARTHEALTH
TV SOLUTION



Long-term Sustainability

- Low investment cost
- Low maintenance cost

Easy to install at home



HDMI
HIGH DEFINITION MULTIMEDIA INTERFACE

Integration with Digital TV at Home



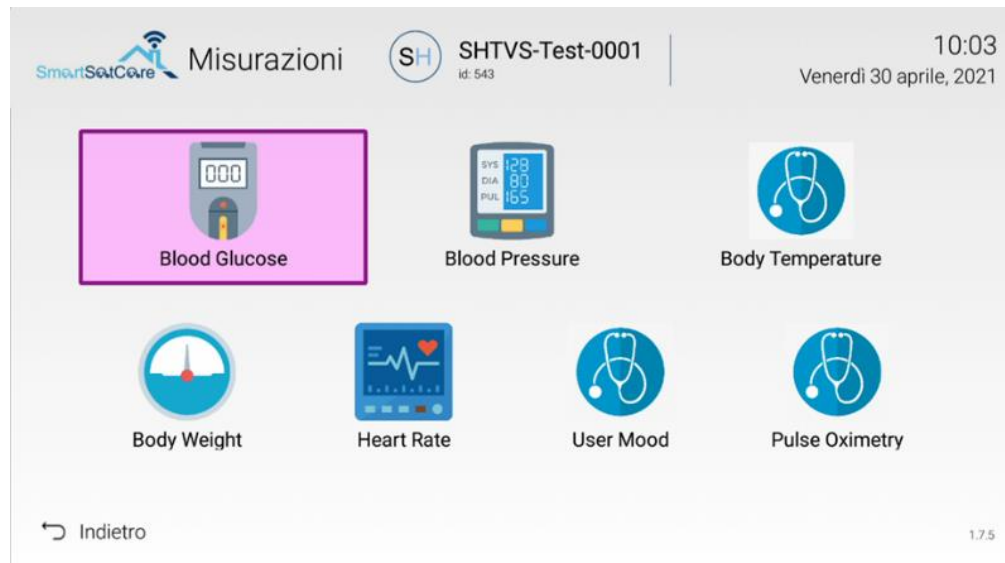
Digital TV: Terrestrial, Satellite, Cable, Fiber or IP TV (worldwide standard like DVB, ATSC, ISDB-T)
Tested with Low and high latency Internet networks: 4G / 5G , Fiber, ADSL , Wifi, Cable, Internet Over Satellite

On Screen notifications/reminders in overlay on the Digital TV signal



Self-care and Self-monitoring with Personal devices

Measurements Management



Total adaptation of the User Interface
Automatic or manual data capture
24 hours monitoring
Multimedia training resources for patients and caregivers

Connected Medical Devices integration



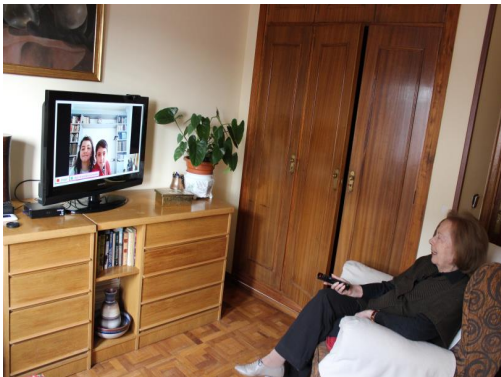
Compatible with Android / Linux
devices
Bluetooth, Wifi or proprietary
Automatic (science or active mode) or
manual (for non smart medical devices)

- Blood pressure
- Heart rate (watch/ring)
- SPO2 (finger ring)
- Weight / temperature
- Personal ECG
- Others

Smart Health TV and CRANE Project

We can help to deploy CRANE solutions at patient's home in rural areas without digital divide and accessibility barriers, using the TV at home

Empowering patients, relatives and caregivers in Rural areas



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Example of functionalities

- Videoconferencing for real time support
- Multimedia Education tool for:
 - training on the use of medical devices
 - chronic diseases management
 - Wellbeing promotion
- Automatic data capture from smart medical devices
 - (with or without user intervention)



Garden for Care



Treatment
Chronic
disease



Rural
Areas



Social
Care



healthcare
from home



system for
health and
wellbeing



Local
Community



Self-monitoring and self-care
with REMOTE SUPPORT



Open Solution / Sustainable

Q&A



Smart TV platform for Health and Social care at Home



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STAY IN TOUCH



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Linked In, CRANE PCP

<http://crane-pcp.eu/>



CRANE



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