Presented by

- Israt Jahan Ahmed (Working Team Leader & SCRUM Master)
- (Leo) M. Hamza Hoxha (CEO)
- Rashna Habib Ullah (Designer & Problem Solver)

Contributing Team Members

- Mohammed Yusuf (Marketing)
- Oliver Seekins (Sustainability)
- Sofia Stender (Advisor)

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Background

From 1998, Agilisys has partnered with healthcare, local government and organisations to provide services using technology using deliverables:

1. future-fit infrastructure
2. intelligent operations
3. smarter service solutions
4. future planning

Roles

Israt Jahan Ahmed – Chief Finance Officer

Muhammet Hamza Hoxha – CEO

Oliver Seekins – Sustainability

Sofia Stender - Chief Advisor

Rashna Habib Ullah – Software Engineer

Mohammed Yusuf - Marketing

Issues

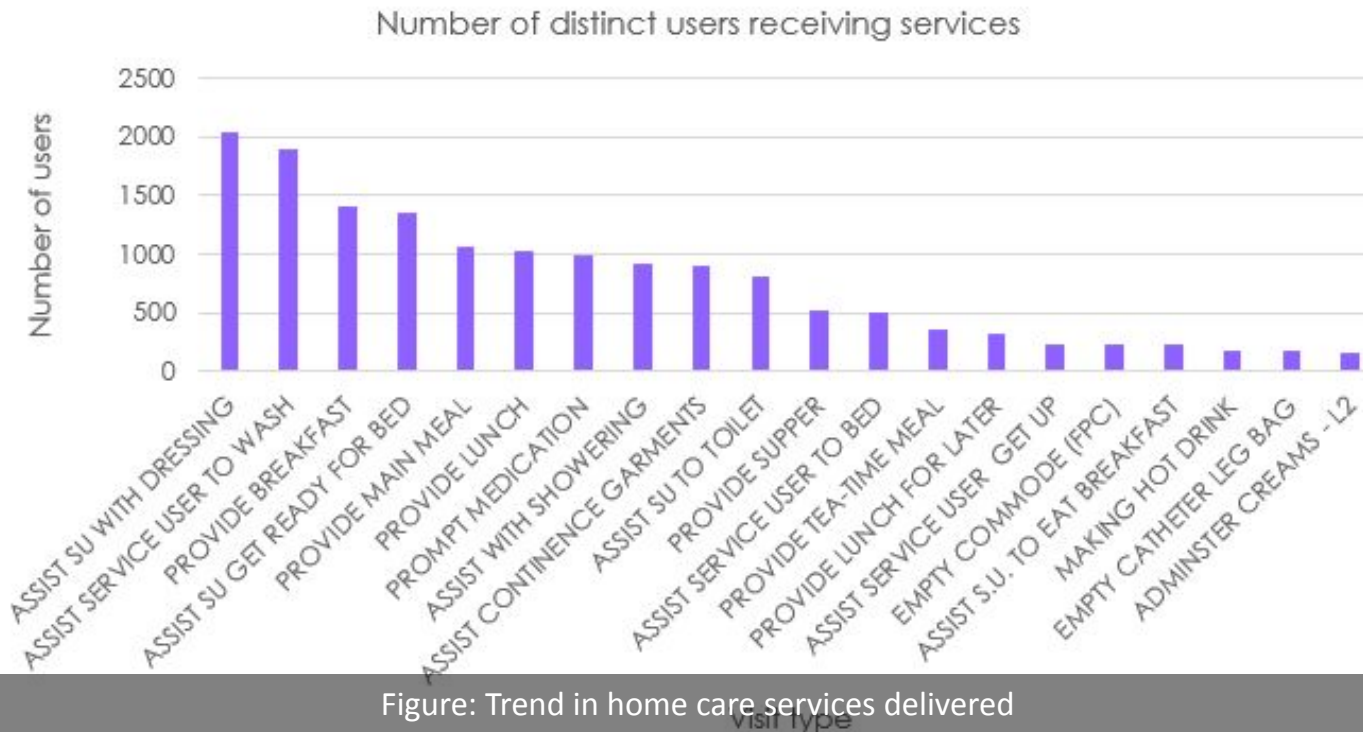Number of distinct users receiving services
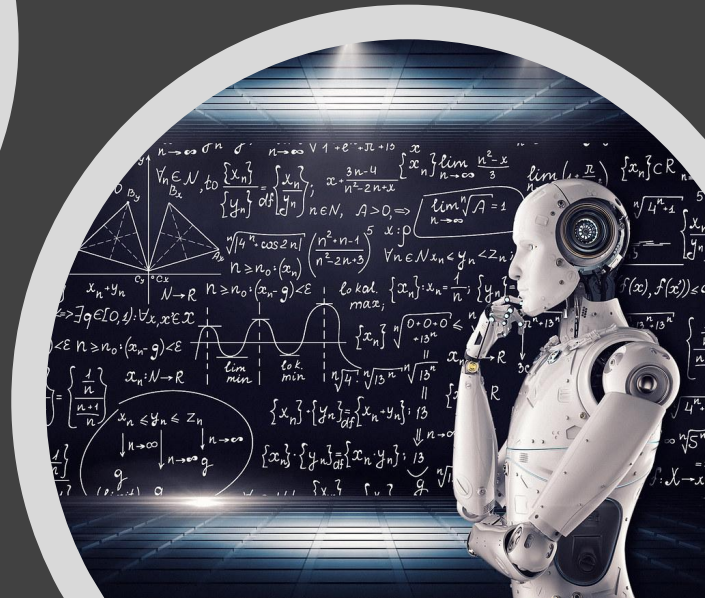
Figure: Trend in home care services delivered

According to ONS (2019), the UK population is ageing, with over 16 million people aged 60 or over, making up 24% of the UK population.

When looking at a Local Authority, it can be seen 56,000 home care visits are provided per week to about 3,000 service users, which costs £18 per hour

Solution

Smartwatch and Ear speakers help:

- Apps can connect to smart devices, such as kitchen supplies

- Robot uses Artificial Intelligence to move hardware to turn on kitchen supplies

- Calls can be directed to emergency lines when suited

Benefits	Drawbacks
• Independence increase for people aged 60 or over • Fewer money is used in care services • Increased marketing of Agilisys company • Environmentally friendly	• People aged 60 or over may need assistance with understanding the technology • Expenses with providing the objects, electricity bills and care assistance • Technology is not reliable

Marketing

- Management of the Healthcare industry to be reached:

  - A rise in demand for home support and care home services which is resulting in a strain on healthcare services.

  - Difficulty to balance your loved one's need for independence and the things they need to live alone comfortably

  - The pressing challenge for old people that live alone to complete important maintenance in their homes and communicate with people.

  - Our innovations have made it possible to control, monitor, and receive alerts from smart devices enabled in a home. For example, increase heating temperature through you're an app on your phone

  - Now after the pandemic, older people have started to rely on technology to communicate with loved ones

  - 77% of over-65s used the internet at home in 2020

  - Smart technology helps reduce some of the impacts of isolation

  - Provide real time data when you need it without the assistance of other people, or signpost to relevant people by request.

Marketing

- Similar products have been successful prior

  - Smart watches were trialled by a company called Sensing247 in New York which achieved to help old people stay safe at home when living alone. The smart watches can monitor a range of indicators, including body temperature, heart rate and sleep patterns, as well as tracking step count to see how active someone has been. This trial has the potential to be game changing for care staff and people who live alone. This trial went successful and the company hope these solutions can also help us address the unprecedented budget pressure that we and other local authorities are facing.

Marketing

- At Agilisys, we leave no individual behind
    - We have designed our products to adopt audio cues for sight issues, and a library of sign language standards to address hearing aid. We have maintained the autonomy of choosing only one of out products and receive the benefits of the ecosystem according to need
- Your data is safe yet useful
    - Our ecosystem enables consented share of information for our users, easily set up connections with family members, loved ones, and health professionals, all within compliance of GDPR.

Finance - Agilisys

Cost of manufacturing:

- Smartwatch – £63.06
- Robot - £18 836
- Ear Speaker – £752.69
- Software Engineer – £44,851/year

Transport:

- NHS
- Driver - £8/hour

Finance - Investment

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Bank:

- Loan

Businesses:

- Apple

- Samsung

- Etc.

Sustainability

- Following COP26 we have decided to make our process net carbon zero.

- This will be applied throughout the production, operation and supply chain.

- Composite materials will be used throughout production and to create the robot and devices.

- Factories and warehouses will be devised in an eco manor with solar power and forestation planted within the surroundings.

- Transportation will be via electric and hydrogen methods within the UK, optimizing the use of the new Mercedes hydrogen lorry.

- To transport internationally we will use a significant amount of carbon, however this will be offset through eco friendly activities in the UK, for example, planting trees for wildlife.

Conclusion

• In summary, technology can be used to our advantage, not only as an extension to our homes and appliances, but as an extension of ourselves through the use of wearable smart devices as we see the UK population ageing.

• Technological advances such as artificial intelligence and apps that connect to kitchen supplies can greatly benefit the elderly and reduce costs of care both for institutions and families.

• Furthermore, we want to see a clean and green future on this earth and take pride in our sustainability plans to make our processes' carbon emissions a solid 0%.