

# Innovate UK

**Results of Competition: Long Term Care Revolution**

**Competition Code: 1504\_SBRI\_INT\_LTCR**

**Total available funding for this competition was £4M from Innovate UK**

**Note: These proposals have succeeded in the assessment stage of this competition. All are subject to grant offer and conditions being met.**

<b>Participant organisation names</b>	<b>Project title</b>	<b>Proposed project costs</b>	<b>Proposed project grant</b>
<b>Give and Take Care CIC</b>	Give and Take Care	£1,000,369	£1,000,369

### **Project description - provided by applicants**

The UK faces a number of challenges, one of which is the increasing number of elderly people who require Care, ranging from company, domestic assistance, and personal services to simple medical procedures, but who want to live at home. It is also certain that the government will not have the economic recourses to meet even a fraction of the demand. Give&TakeCare CIC -GATC- has formed specifically to implement the only national policy which is capable of making a substantial contribution to the overall NEEDS, whilst reducing the public expenditure of the NHS and Local Social Services. GAT proposes that charities supporting elderly people should make an optional offer to their members to become PARTNERS of the GAT Pension scheme, which is based on the number of hours of service they give to GATC. The basic geographical unit will be a 'locality' of 10,000 houses, within walking distance of one another and with a local administration. In principle every HOUR spent on the Care and Support objectives of the organisation earns a 'Care Credit' which is deposited in a special Bank Account, using an alternative currency called GATs. This currency has no monetary value; though it can be gifted to family, friends or returned to GATC for an emergency fund and has the advantaged of never being subject to inflation. The primary purpose is to build up a balance of GATs over a period, which when the need arises, are used to service a Care Pension for the Partner. The service will in general be supplied by the next generation, who will have an interest in making provision for their own future needs, recognising, that public provision is likely to be reduced, whilst the demand increases. The service supplied or received by Partners will be based on what they can GIVE and conversely what they NEED. Almost anybody can fulfil some need of another, be it the lady who is bedbound needing several HOURS daily of Care but who is marvellous on the telephone and can earn GATs by chatting to another Partner, who is lonely. GAT CIC also addresses family carers, who carry the majority of the Care burden at present, sacrificing job, pension rights and health to look after a close relation. They will be encouraged to join an appropriate local charity and thereby becoming a Partner of the scheme. The scheme, which has a national H.Q. is totally independent of the state, business, or charities. The cash money required to manage GATC is raised by charging an administrative fee of the order of £1 for every GAT hour that is used. Mutuality and Independence from government, charity or business support, are the basic principles that make GATC CarePension sustainable and not subject to any external policy change.

**Note: you can see all Innovate UK-funded projects here**

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<b>Bath Institute of Medical Engineering</b>	CHIRON - Care at Home using Intelligent Robotic Omni-functional Nodes	£2,155,779	£2,155,779

### **Project description - provided by applicants**

Project Name: CHIRON (Care at Home using Intelligent Robotic Omni-functional Nodes) Our vision is a CHIRON in every home. CHIRON doesn't have one body, but many. An intelligent modular robotic system, CHIRON is a wall mounted arm in the morning that helps you brush your teeth, supports you at lunchtime to prepare your favourite meal in the kitchen, a wheelie trolley that brings you your medicines on time and helps you take them, and is in the sitting room in the evening to help you eat. [Chiron is the healing centaur of Greek mythology. This is not a final name or branding, but a placeholder to help us talk about the product.] The CHIRON consortium is led by Designability, a design and engineering (trading) charity with a passion for creating life-changing assistive technologies. We conduct original research and develop commercial products that meet real needs. Our key technology partners are Bristol Robotics Laboratory and Shadow Robot Company, who have considerable expertise in conducting pioneering research and development in robotics. Through their experience of working with end-users and health/social care providers, the consortium recognise that a modular, cost-effective robotic solution that offers adaptability to a person's changing needs is vital for realising real-world deployments. The CHIRON system harnesses current and emerging ability of robotic systems to handle materials and objects with high levels of accuracy, linked to sensory feedback and vision. CHIRON's various components can be mixed and matched to enable the customer to undertake a wide range of domestic and self care tasks independently or enable a care worker to assist an increased number of customers. The CHIRON team aims to integrate output delivered devices and systems software into a modular scalable system of products that can start small and be grown by the customer. Award winning social enterprise care provider, Three Sisters Care will bring user centred design to the very core of our project. Smart Homes & Buildings Association will work to introduce the range of devices that will create CHIRON and make it an indispensable presence in our homes. We are proposing a paradigm shift to enable assistive care robots to become a pragmatic reality. Our approach is to combine modular functional units that work in a distributed manner, adapting to support contextual user needs. The focus is on functionality to achieve robust solutions that can be integrated with other products and assistive devices. This will also impact on personal and social perception and understanding of robotics in care. Our ultimate aim is to offer a new perspective on ageing, helping people realise their aspirations as they age.

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