Knowledge Exchange Activity

By exploring how digital technologies can help connect our communities and improve our health and wellbeing, Smartline is supporting SMEs based in Cornwall and the Isles of Scilly develop innovative products, processes and services.

Smartline is actively supporting SMEs new to this market, as well as those already engaged in it who are innovative and looking to grow through a range of Knowledge Exchange approaches;

Idea generation grants | **In-residence schemes** | **Follow on research and cash grants**

In order to work with us you need to meet our eligibility requirements:

- Your enterprise must be based (or going to be based) in Cornwall and the Isles of Scilly.
- Your enterprise must have less than 250 employees (FTE) and an annual turnover of less than €50m euros (approx £43m), or total assets of less than €43M (approx. £36M).
- No other enterprise owns more than a quarter of your enterprise's issued shared capital.
- Your company is not in financial difficulty.
- You must not have received more than €200,000 in state-aid during the last 3 rolling fiscal years.
- You need to agree to the publishing of research findings.

Contact Us

For more information about the project visit the Smartline website at www.smartline.org.uk
or contact the team at
Email: smartline@exeter.ac.uk / Tel: 01872 258140

Smartline
Smart wellbeing inspired by the community

For more information please visit us at:
www.smartline.org.uk

European Union
European Regional Development Fund

South West Academic Health Science Network

Smartline
Smart wellbeing inspired by the community

Smartline Data

Supporting Innovation

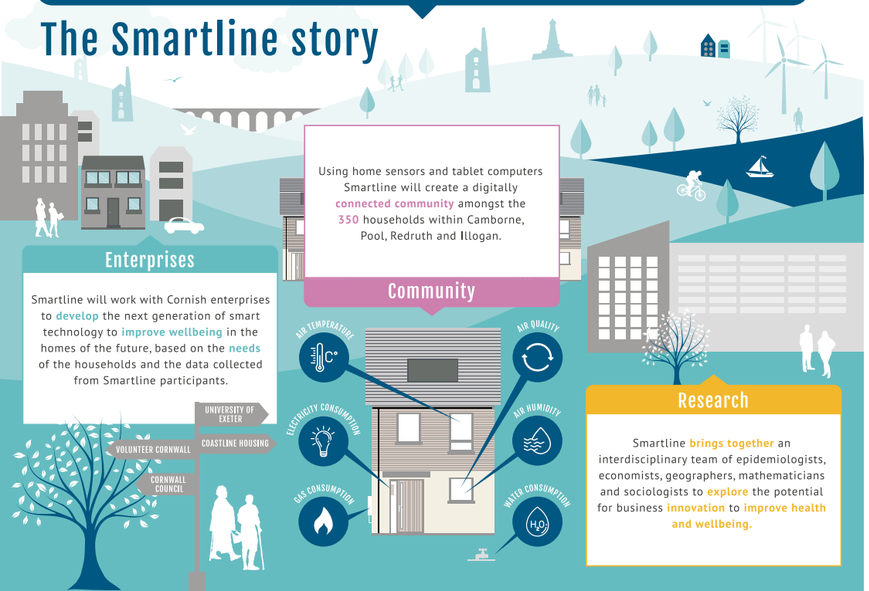
Smartline is an exciting research project looking at how technology can be used to help us live healthier and happier lives. We are a partnership project led by the University of Exeter with Coastline Housing Ltd, Cornwall Council and Volunteer Cornwall.

Smartline is working with local communities and has installed environmental sensors in the homes of 300 participants in the Camborne, Pool, Illogan and Redruth area of Cornwall. The sensors are collecting information on indoor air quality, humidity, temperature, and how much water and energy is used.

Participants have also been taking part in surveys, guided conversations and interviews to help researchers understand their wellbeing needs, aspirations and desires for their community.

Smartline is a three year project funded by the European Regional Development Fund and the South West Academic Health Science Network.

The Smartline story



Smartline Data

900,000 additional data points each day

A key aim of Smartline is to make data available to enterprises (both in Cornwall and beyond) through its website/data portal.

Using the USMART portal it is possible to access the data collected by Smartline which includes average temperature, humidity, air quality, and utility usage. You will be able to compare properties that have varying numbers of people living in a home and the impact that can have on the energy usage, or the temperature and air quality of the home.

It will also be possible to access a range of other data collected through Smartline. This currently includes anonymised information on participant wellbeing, volunteering rates and information on physical buildings, such as when houses were build and what materials were used.

Smartline aims to continually expand on the data available through USMART and invites prospective enterprises to suggest new ideas, contribute data and to support with the analysis of this exciting resource.

How to access the data

1. Register your interest at www.smartline.org.uk/data
2. USmart Login details will be provided
3. Access Smartline Data via USMART https://usmart.io/#/

Smartline Realtime Sensor Data Set

Collection Frequency: 5 Minutes (288/day/sensor)

Sensors	Units	Range	Location	Quantity
Humidity	%RH	0 - 100%RH	Bedroom	315
			Front Room	315
			Outside	29
Temperature	°C	-40°C to +123.8°C	Bedroom	315
			Front Room	315
			Outside	29
eCO2	ppm	400ppm to 8192ppm	Front Room	315
			Outside	29
TVOC	ppb	Oppb to 1187ppb	Front Room	315
			Outside	29
PM2_5	µg/m³	0 µg/m3 to 1,000 µg/m3	Front Room	315
			Outside	29
PM10	µg/m³	0 µg/m3 to 1,000 µg/m3	Outside	29
Electricity Meter	Amps	—	Property	315
Electricity Meter	kWh	—	Property	315
Water Meter	Litre	—	Property	24
Gas Meter	m³	—	Property	56
			TOTAL	3089
			READS/DAY	889632

PROPERTY DATA	DESCRIPTION
UPRN	Unique Property Reference
DateBuilt	Year property Built
EPC_Figure	Current EPC Rating Figure
EPC_Code	Current EPC Rating Code
PotentialEPC	Potential EPC Rating Figure
Bedrooms	Number of Bedrooms
PropertyType	Type of Property
HeatingType	Type of Heating

SURVEY DATA

- Demographics
- Existing home technology
- Pets
- Type of heating and ventilation
- Presence of mould
- Time spent indoors
- Physical activity
- Smokers/Vaping
- Volunteering
- Employment status