What Do 'Smart Home Technologies' Mean To You?

Before installing any technologies in your home, we would like to find out what you know and think about smart home technologies. This simple questionnaire will give us an initial idea. It should take no more than 5 minutes to complete. The questions are about smart home technologies in general, not the specific set of technologies to be installed in your home. We would be grateful if *each member of your household* could fill in a separate questionnaire.

What is your *age* and *gender*? (circle the appropriate response)

I am … under 18 | 18-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75 and over | prefer not to say

I am … male | female | prefer not to say

Please jot down any words that describe what '*smart home technologies*' mean to you:

How *familiar* with smart home technologies do you consider yourself to be … ?

	very unfamiliar	…	…	…	very familiar	[don't know]
at this moment	☐	☐	☐	☐	☐	[☐]
before joining this research project	☐	☐	☐	☐	☐	[☐]

How have you *learnt about* smart home technologies? (circle all that apply)

internet ☐ news & magazines ☐ home or electrical stores ☐ energy companies ☐
word of mouth ☐ other ☐ (*specify*):_____

These next questions are about the potential benefits of smart home technologies *in general terms*. Please note these do not necessarily describe the technologies to be installed in your home.

What do you think are the *main purposes* of smart home technologies?

	strongly disagree	…	…	…	strongly agree	[don't know]
entertainment and communication	☐	☐	☐	☐	☐	[☐]
convenient home management	☐	☐	☐	☐	☐	[☐]
control over appliances	☐	☐	☐	☐	☐	[☐]
control over heating systems	☐	☐	☐	☐	☐	[☐]
energy management	☐	☐	☐	☐	☐	[☐]
fault detection	☐	☐	☐	☐	☐	[☐]
assisted living, health management	☐	☐	☐	☐	☐	[☐]
security and safety	☐	☐	☐	☐	☐	[☐]
other (*specify*): _____	☐	☐	☐	☐	☐	[☐]

What do you think are the *main potential benefits* of smart home technologies?

	strongly disagree	…	…	…	strongly agree	[don't know]
save time	☐	☐	☐	☐	☐	[☐]
save money	☐	☐	☐	☐	☐	[☐]
save energy	☐	☐	☐	☐	☐	[☐]
reduce effort	☐	☐	☐	☐	☐	[☐]
enhance leisure	☐	☐	☐	☐	☐	[☐]
provide peace of mind	☐	☐	☐	☐	☐	[☐]
provide comfort	☐	☐	☐	☐	☐	[☐]
improve security	☐	☐	☐	☐	☐	[☐]
provide care	☐	☐	☐	☐	☐	[☐]
improve quality of life	☐	☐	☐	☐	☐	[☐]
increase property value	☐	☐	☐	☐	☐	[☐]
other (*specify*): _____	☐	☐	☐	☐	☐	[☐]

Which *activities in the home* do you think smart home technologies are relevant for?

	strongly disagree	…	…	…	strongly agree	[don't know]
cooking, preparing food, eating	☐	☐	☐	☐	☐	[☐]
showering, washing	☐	☐	☐	☐	☐	[☐]
working, studying	☐	☐	☐	☐	☐	[☐]
entertaining, socialising	☐	☐	☐	☐	☐	[☐]
relaxing, leisure, hobbies, games	☐	☐	☐	☐	☐	[☐]
doing laundry, cleaning, housework	☐	☐	☐	☐	☐	[☐]
parenting, caring for household members	☐	☐	☐	☐	☐	[☐]
other (*specify*): _____	☐	☐	☐	☐	☐	[☐]

These next questions are about the design and control of smart home technologies. Please answer based on your existing understanding - there are no right or wrong answers!

How do you think smart home technologies are *designed* to work?

	strongly disagree	…	…	…	strongly agree	[don't know]
to be easily noticeable	☐	☐	☐	☐	☐	[☐]
to blend into the background	☐	☐	☐	☐	☐	[☐]
to always be on and active	☐	☐	☐	☐	☐	[☐]
to operate only when activated	☐	☐	☐	☐	☐	[☐]
to provide information to households	☐	☐	☐	☐	☐	[☐]
to enable households to control their home	☐	☐	☐	☐	☐	[☐]
to control homes on behalf of households	☐	☐	☐	☐	☐	[☐]

How do you think smart home technologies are *controlled* day-to-day?

	strongly disagree	…	…	…	strongly agree	[don't know]
pre-set schedules or profiles	☐	☐	☐	☐	☐	[☐]
real-time inputs or adjustments	☐	☐	☐	☐	☐	[☐]
automatic responses to detected behaviour	☐	☐	☐	☐	☐	[☐]
by a single user	☐	☐	☐	☐	☐	[☐]
by multiple users	☐	☐	☐	☐	☐	[☐]
by a single interface or device	☐	☐	☐	☐	☐	[☐]
by multiple interfaces or devices	☐	☐	☐	☐	☐	[☐]

How do you think the *devices or interfaces* for controlling smart home technologies are designed?

	strongly disagree	…	…	…	strongly agree	[don't know]
physical hardware	☐	☐	☐	☐	☐	[☐]
software applications	☐	☐	☐	☐	☐	[☐]
fixed or stationary	☐	☐	☐	☐	☐	[☐]
mobile	☐	☐	☐	☐	☐	[☐]

What factors would help you *trust* and *have confidence* in smart home technologies?

	strongly disagree	…	…	…	strongly agree	[don't know]
they are reliable and easy to use	☐	☐	☐	☐	☐	[☐]
they can be controlled and over-ridden	☐	☐	☐	☐	☐	[☐]
the data collected are held securely	☐	☐	☐	☐	☐	[☐]
they guarantee privacy and confidentiality	☐	☐	☐	☐	☐	[☐]
they come with performance warranties	☐	☐	☐	☐	☐	[☐]
the manufacturers are credible	☐	☐	☐	☐	☐	[☐]
other (*specify*): _____	☐	☐	☐	☐	☐	[☐]