



**Information and consent form for participation in
the Evohome Heating Study**
an optional addition to the IDEAL project



Information: About the Evohome Heating Study

You are already participating in the **IDEAL home energy advice project**, which includes participation in the BIGSMALL project, as an 'enhanced participant'.

The Evohome Heating Study is an **optional** additional component of these projects that you may join if you wish to. It is part of those projects and covered by the same terms and conditions as those, with the exceptions and additions described here. There is no requirement for you to join the Evohome Heating Study, and your participation in the IDEAL and BIGSMALL projects will not be affected if you choose not to join. If you do participate in the Evohome Heating Study, there is information provided here which is in addition to the IDEAL and BIGSMALL information booklet, and an additional consent form for you to initial, sign and return to us, which supplements the one signed by you for the IDEAL and BIGSMALL projects.

New heating control system

The Evohome Heating Study involves having 'smart heating controls' installed in your home. These are commercially available controls called 'Evohome', manufactured by Honeywell. These smart heating controls comprise new smart thermostatic control valves (TRVs) being put on all or most of the radiators in the home to replace your existing ones, and a smart controller being added to your boiler system. A portable display is provided to programme and adjust your heating. An app is also available that can be downloaded to a smartphone or tablet, to control the system. There is no running cost per se, to using the Evohome system other than the replacement of the batteries in the TRV's. The Evohome system has been on the market for over 4 years and is highly placed in reviews of smart heating control systems.

The purpose of the Evohome system is to give you more convenient control of how you heat each room in your home, making it easier to heat them comfortably and avoid wasted energy, including making adjustments when you are away via the app. The system allows you to set a temperature schedule for each individual room, as you wish. You can also at any time override the schedule when you are in a room by adjusting the Evohome TRV, or remotely via the app.

More details can be found in the Evohome information booklet (PDF attached to the email sent to you), which is produced by the manufacturer.

The aim for us of this study is to learn how you use your heating to help us develop better automation of the controls.

What does participation involve?

If you wish to participate, our qualified engineer will arrange a time to look at your existing system, and he'll ask you to send him an initial temperature schedule for each room. He'll set up a second visit to install the Evohome system described above in your home. Installation will typically take between 2 and 4 hours, depending on the details of your current heating system, and there will be a short period (approx 30 minutes) during which your boiler will not be producing heat for the radiators or hot water for your taps. Your heating system may

need to have the water drained from it during the work and refilled subsequently, all done during the visit – in this case the time the boiler is not operational may be an hour or so. During the visit, you will also be given training in how to use the system and if you have not previously set up your online Evohome 'Total Connect Comfort' account you will be helped to do so. We will need to know the login details for this account, so don't use any details such as passwords that you use elsewhere. Setting up this account will enable you to operate your heating from the app as well as on the central controller or directly at the TRV's. You will also need to follow the online form, from Honeywell to be able to give permission for Honeywell to share the data from the Evohome system with us so we can learn how you use the system. (See Data collection and use below)

After the installation visit, you continue to use the system to heat your home in whatever way works for your lifestyle. You will have access to a 24/7 callout service if any problems occur due to the install or for technical problems and also a 24/7 support number if you need help in understanding in using the system

We may ask you during the Evohome Heating Study to participate in short interviews or focus groups to understand your experience of using the system. We ask that you participate in these whenever reasonably possible to do so.

Data collection and use

As part of the Evohome Heating Study we will remotely collect data about how you use these new controls. This is achieved by your setting up a Honeywell 'Total Connect Comfort' user account, which also enables you to use the smartphone app, sharing your username and password with us, and also granting us access to your data via the Evohome app. These data are then collected and used by Honeywell in line with Honeywell's terms and conditions, available at: <https://www.honeywell.com/terms-conditions>; we will also have access to the data and use them in line with our own project terms as described here and in the IDEAL project information booklet.

As this research is being conducted by us in collaboration with Honeywell, they have also requested that we share with them the data we are collecting with our own sensors installed in your home as part of the wider IDEAL and BIGSMALL project, to help with their own product development work. There is an optional box in the consent form for you to initial if you are happy for us to supply them with your data that we collect with our own system and another if you also agree to survey data being shared with them too.. If you don't agree now, we would also like to ask if we can come back to you in the future to see if you have a change of view, particularly if we can see there might be a benefit for you. As Honeywell is a company wholly independent from the University of Edinburgh and Changeworks, we cannot guarantee how your data will be used by them.

Aside from the Evohome system data collected and used by Honeywell as part of the heating automation study, the University and Changeworks will use the additional data collected, and treat your confidentiality and anonymity, in the same way as is done for the rest of the IDEAL and BIGSMALL projects.

Further information

There is no cost to you for participating in the Evohome Study.

Participation in the Study will continue for as long as your participation in the rest of the IDEAL and BIGSMALL projects and any continuation projects you agree to participate in. In February or March 2018, once you are used to the system, we will ask you to confirm that you want to retain the system. If you do wish to keep it, then at the end of your participation the installed system becomes your property. If you do not wish to keep it, we will remove it at the end of the heating season (approximately May 2018) and return your system to the equivalent of how it was before the study (i.e. replacing the Evohome smart TRVs with ordinary TRVs, and removing other Evohome equipment). After that point, we will no longer provide any support for the system if you choose to keep it - solving and paying for the repair of any technical problems will also become your responsibility.

Finding out more

If you have any further questions about participating that you would like to ask, please contact Lynda Webb from the IDEAL project team on tel: 07977411460, or by email at IDEAL.energy.advice@ed.ac.uk, and she will be happy to discuss them with you, or if you have already spoken with her, she will call you back at the time you have already arranged.