The days are getting longer, and the mercury is starting to rise.
Soon the heating can go off and energy bills can come tumbling down.

IDEAL - Android App available for smartphone and tablet

Search on **Google Play** for '**IDEAL Energy (Personal)**',

click the logo below, or follow this link.

GET IT ON Google Play
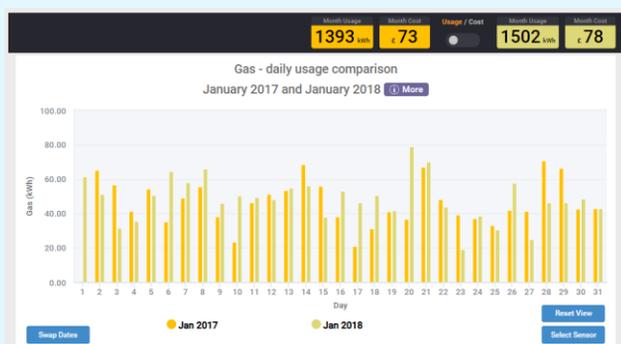
Works on Android and some Chromebook devices.

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You will need your username and password, which can be found on the IDEAL app on your project tablet:

- On your project tablet, log in and tap on your account name at the top right of the screen, then tap Settings.
- From the tablet you can also reset your password (no need to remember your old one)

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You can still log in as usual from your:

- IDEAL tablet, or
- via a web browser, at myhome.energyoracle.org

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An iOS/iPhone version is in development too.

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Smart Meter Update

Have you been contacted by your energy company about getting a smart meter?

If you're contacted by your energy company to get smart meters, check with them which you'd be getting.

There are two generations of smart meter:

SMETS1 and SMETS2.

Large-scale rollout of 'SMETS2' smart meters has been delayed again – probably to the end of 2019 for Scotland.

If they're offering SMETS1, check the relative benefits of accepting or of waiting a bit longer for SMETS2 meters.

Here's how the different smart meter options affect your participation in IDEAL:

Keep your old meters: no affect on your IDEAL system.

SMETS1 meters: we won't be able to collect your gas data anymore, but everything else will work.

SMETES2 meters: We would send you out a new device to access your gas and electricity data. Once installed, your IDEAL system would continue working as before.

If you do decide to get smart meters, please let us know. If they're SMETS2, we will arrange for you to have the new device (called a CAD, Consumer Access Device) so your gas and electricity usage can still be shown on the IDEAL feedback app.
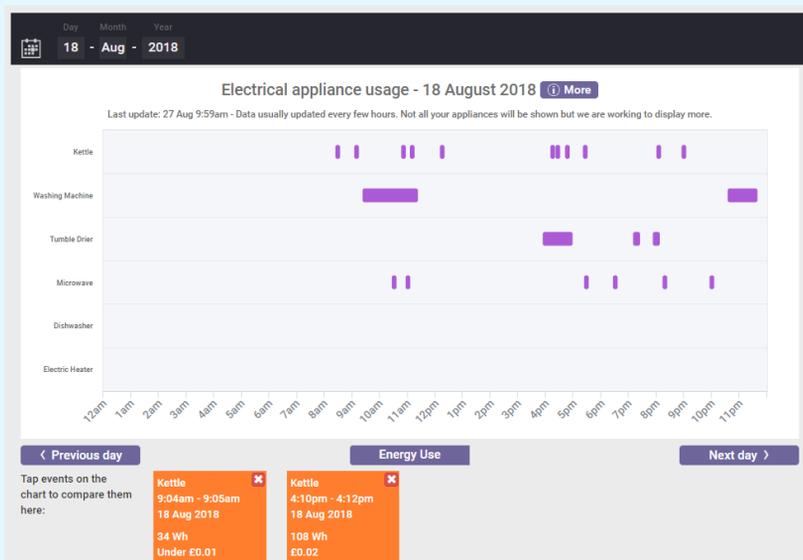
Want to know about the IDEAL project findings?

- Some of our findings have been presented at conferences and published in academic journals.

- To read our papers and find out more, take a look at the IDEAL website: http://www.energyoracle.org/publications.html

- We are continuing to analyse the data we are collecting during the study.

Detecting appliance use from whole-home electricity data

You will have heard of AI or artificial intelligence; well machine learning is a part of this. We have used machine learning methods on your whole-house (meter-level) electricity data to estimate when your large appliances are running and how much electricity they use.

For most participants whose appliances aren't individually monitored, the results of this are shown to you in your app - see an example screenshot here. If you want to know the technical detail behind it, take a look at our recently published technical paper about the machine learning methods we use. Available here: https://arxiv.org/abs/1812.03915v1

Thanks!

All our research has been made possible by your invaluable participation in the project, so, again, a big thank you from all of us at the Sustain Lab, University of Edinburgh IDEAL team!

If you have any questions or problems, remember you can drop Martin and the rest of the IDEAL team an email at ideal.energy.advice@ed.ac.uk .

SUSTAINlab
Smart systems for people and planet