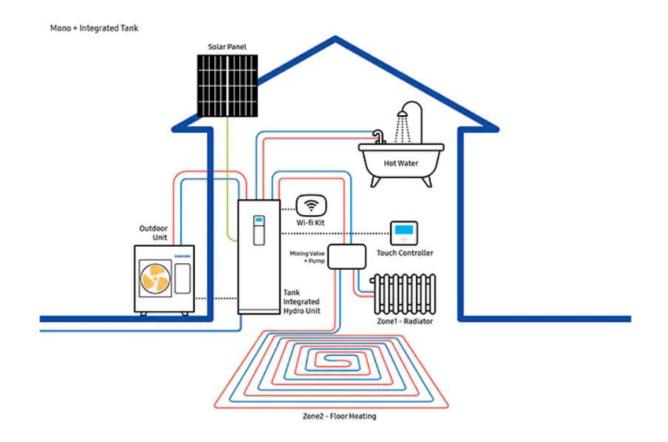
Heat Pump Trials Samsung's experience



SRUK / Energy Innovation Group

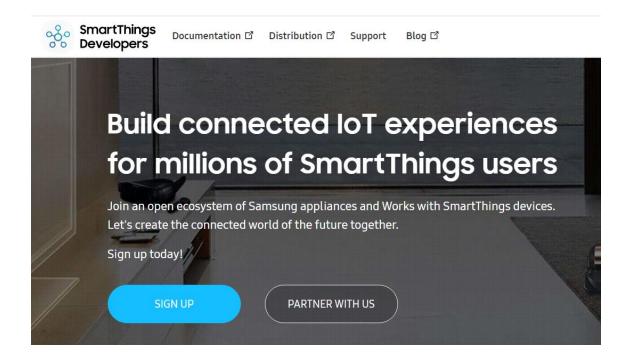
Samsung introduction



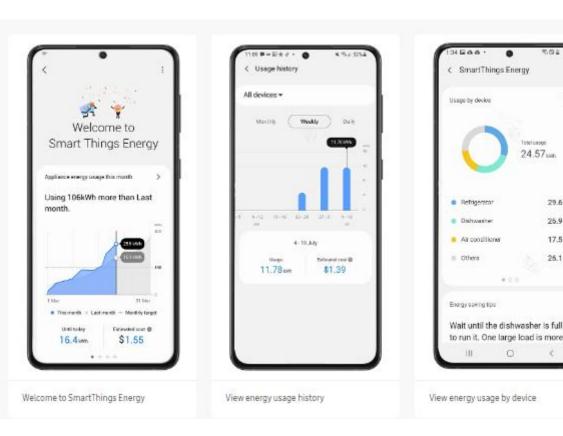


Samsung USP

SmartThings Platform



SmartThings Energy



24.57 km

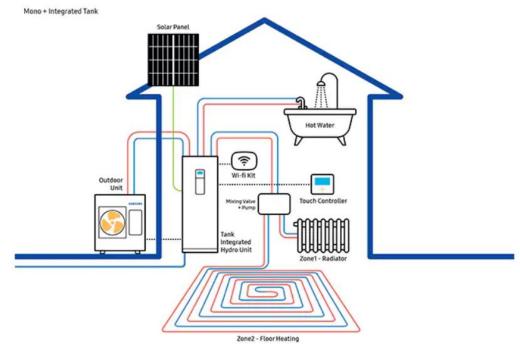
29.6 %

25.9 %

26.1 %

Why do we do trials?

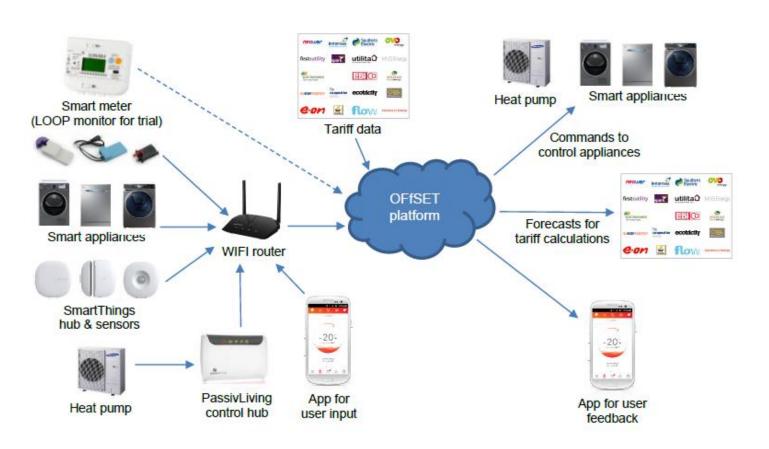




Consumer experience across product lifecycle:

- Cost to run vs initial cost differential;
- Importance of installation and maintenance partners;

Trial Experience – 1 – integration with smart services

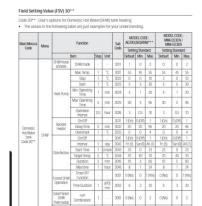


- Showed how tariff comparison can combine with optimization;
- Cost savings on heating of up to 20% with some "non-heat pump" ToU tariffs



- New Cosy Octopus Tariff;
- Installing second meter for heating electricity usage;

Trial Experience – 2 improving the install and maintenance experience



Cavity wall insulation

Part 1 Technical Guidance: Getting the design & installation right

Part 2

The Contractual Issues: Getting the contract right

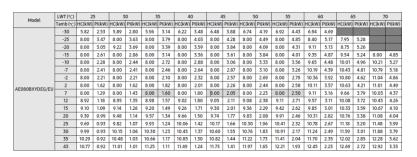
Part 3

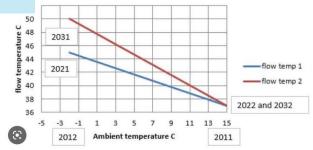
Specific Guidance on MIS 3005 V5.0 (forming MGD 002 Issue 2)



Flow temp in weather comp mode







Worcester Bosch Greenstar 4000... Starting from £2265

Installed next day



Apply for the Boiler Upgrade Scheme

Let's trial in the real world, not just "real world settings"

Already in place/nearly there:

- Half-hourly metering => ToU tariffs;
- Asset metering => Lower fixed rate for heating electricity;
- P441 => Local energy netting.

Still to come (but when?)

- Upfront costs => Market mechanism;
- Gas/electric price ratio => REMA (AEM real world demonstrators);
- Local coordination => LA funding?

