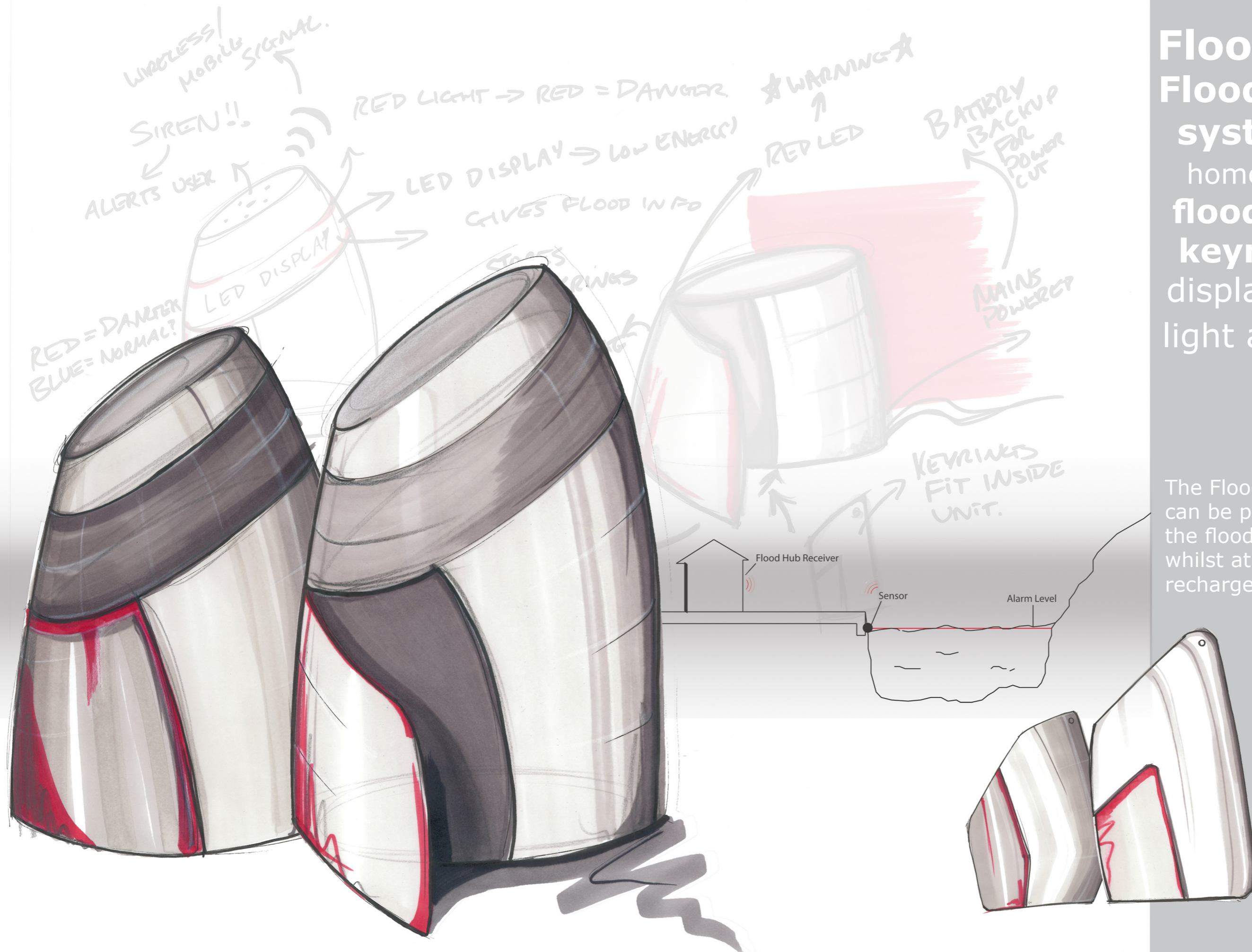


The Flood Hub.



Flood Hub is a **Flood warning system** for the home, with two **flood warning keyrings**, LED display, warning light and **siren**.

The Flood Hub keyrings can be placed back into the flood hub to keep safe whilst at home and to recharge.

Flood Awareness.

Around **5 million** people **live** in **flood risk areas** in **England** and **Wales**.



In **Dorset** alone, in the month of **July** there were **150 flood warnings** and over **180 houses evacuated**.

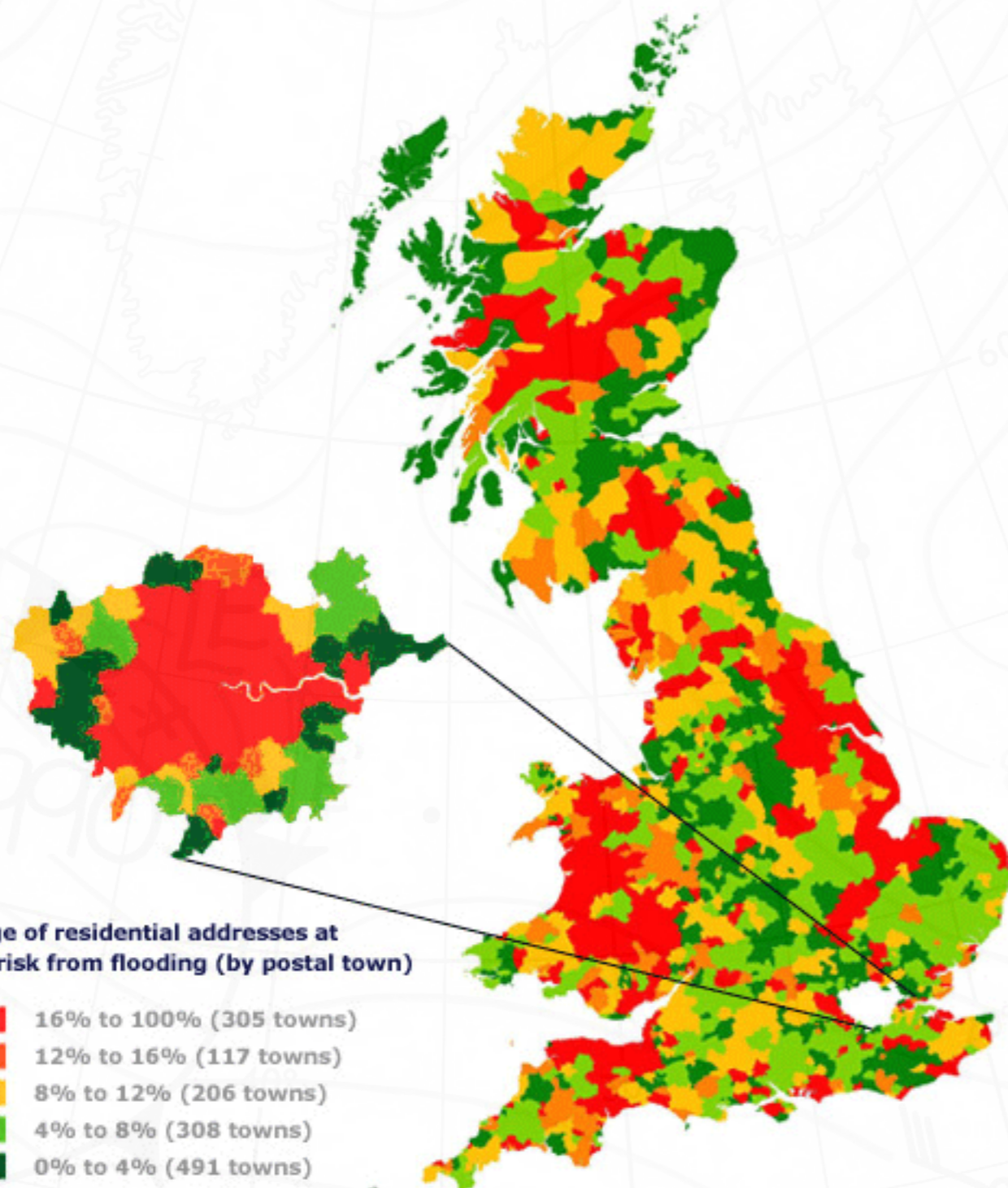
The Flood warning hub sets out to alert locals of the dangers of incoming floods. Floods often occur very rapidly and local emergency services do not have time to alert all residences in the surrounding area, this is where the flood warning hub comes in. The unit is placed inside a local home and wirelessly receives flood data from the local weather stations and sensors. The Unit then sounds an alert and via the on screen LED display informs the user of the next steps to take.

If there are power cuts the unit uses a battery cell backup.

In the UK it is estimated that cell network coverage will be available in the whole country within the next 8 years.

13 % of the **UK's population** are at risk of **flooding**.

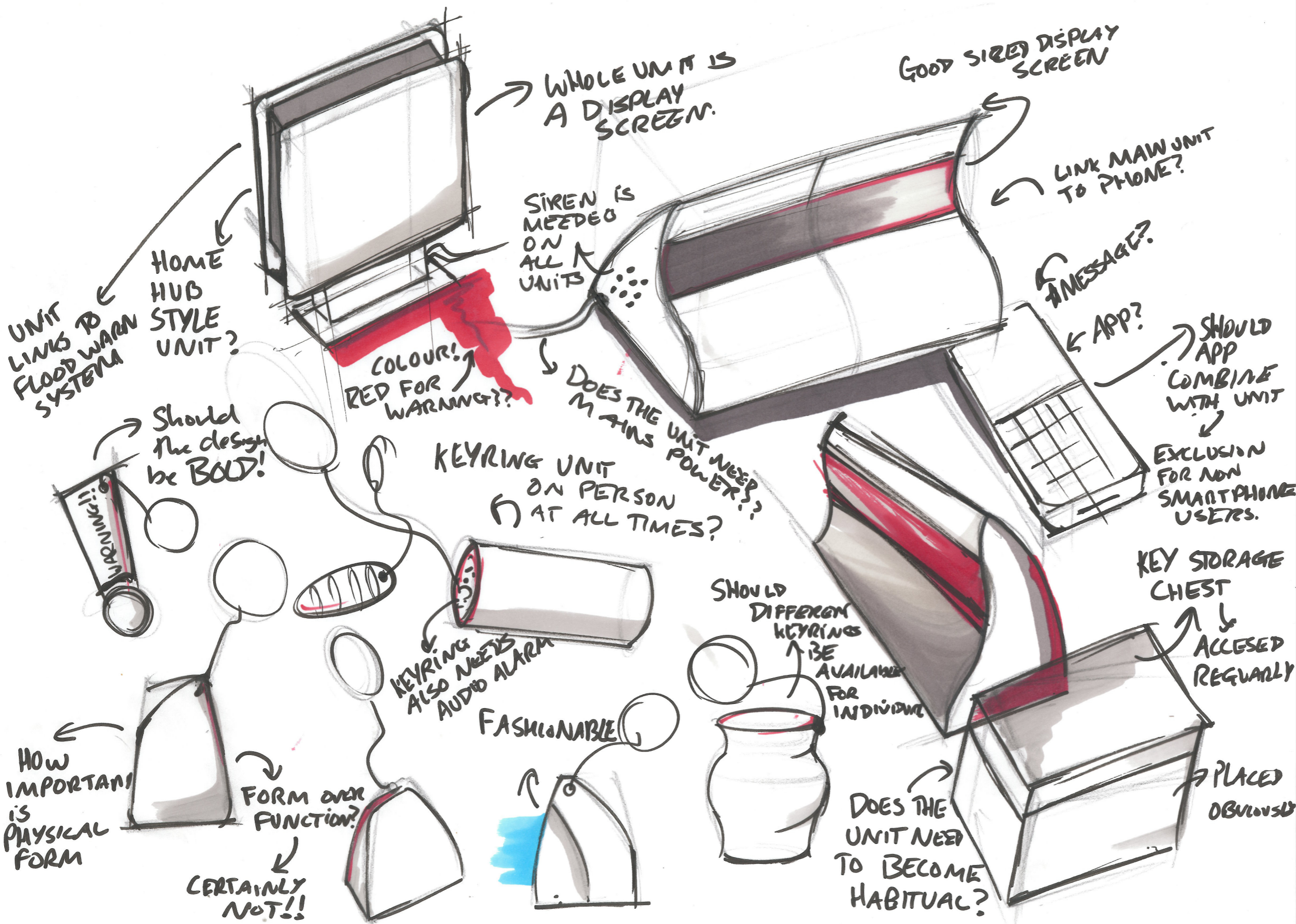
The **Flood Hub** alerts these people when they are at risk, giving them **comfort** and **awareness** in times of need.



Percentage of residential addresses at potential risk from flooding (by postal town)

Red	16% to 100% (305 towns)
Orange	12% to 16% (117 towns)
Yellow	8% to 12% (206 towns)
Light Green	4% to 8% (308 towns)
Dark Green	0% to 4% (491 towns)

Flood Hub development.



Flood Hub is all about making the user aware of flooding in the area. It puts the user's mind at ease everytime it rains, being safe in the knowledge that their home is not at risk of flooding, if it is the Flood Hub will alert the home owner.

The keyrings supplied with the Flood Hub are designed to alert the user whilst not at home if there is a flood imminent at home.

In the future, Flood Hub may develop a smart phone App to be used in conjunction with the main hub itself.