Frequently Asked *Nano*Earth™ Questions

Contents

1   How does it work?

- The *Nano*Earth™ sensor is an environmental detector.

- It can be configured to raise alarms when certain environmental limits are reached and will also send regular updates of the environmental parameters.

- The *Nano*Earth™ can be located inside or outside the home; the following provides examples of its location. If located outside, the Product must be protected from the weather, so used in an outbuilding or covered:-

    o   Position in your attic or cavity wall to monitor how effective your insulation is due to heat loss.

    o   Position on a south facing window sill to measure the ambient light level and/or UV index.

    o   Position inside your house to monitor air quality, humidity and pressure.

    o   Position where you think you have a draft to measure the wind chill.

2   How many *Nano*Earth™ sensors can be fitted at the same time?

- Currently, up to 16 Carbon*Nano* sensors can be fitted, however with further updates to the *Nano*Hub™ this will increase further.

3   How do I install the *Nano*Earth™ sensors?

- Easy, just think about what environmental aspect you are trying to monitor and then place the *Nano*Earth™ sensor accordingly.

- Then all you need to do is to set up what environmental aspects are monitored using the *Nano*App™.

- If you are using the *Nano*Earth™ sensor to monitor air quality or perhaps temperature, you might also wish to set up minimum and maximum alert levels etc. using the *Nano*App™.

4   How long do the batteries last?

- *Nano*Earth™ is supplied with 3 x AAA batteries that should last 3 years. The product can also be powered from its USB interface; however, the batteries are not rechargeable.

- The *Nano*App™ will inform you when the batteries are running low.

5   What happens when I am not at home?

- Alarms will be sent to your phone, tablet and computer, whichever is running the *Nano*App™.

- Using the *Nano*Mesh™ network, alarms can also be sent to your neighbours, friends and family etc, perhaps if you are on holiday or away for the evening.
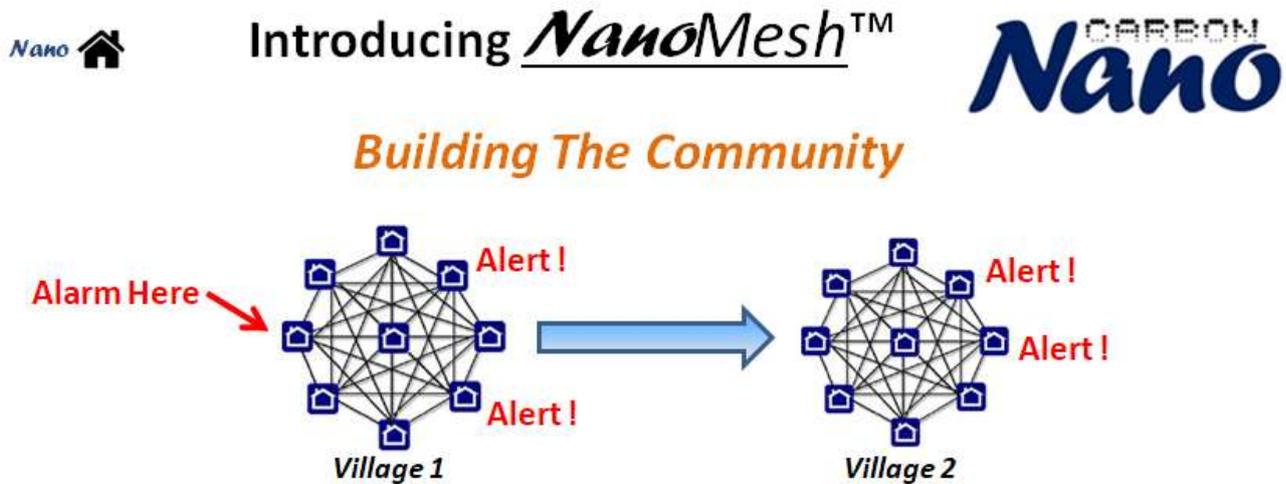
6   What happens when I am at home?

- Alarms will be sent to your phone, tablet and computer, whichever is running the *Nano*App™.

- Using the *Nano*Mesh™ network, alarms can also be sent to your neighbours, friends and family etc, perhaps if you are a vulnerable person.

- You can setup your *Nano*Hub™ to switch on its alarm bleeper when it receives an alert message if you wish to.

- You can set up your *Nano*Earth™ sensor to switch on its alarm bleeper when it sends an alert message if you wish to.

7   What happens if I do not want to receive alarms?

- Alarm notifications can be switched off or on using the *Nano*App™.

- You can also select what type of alarms you receive.

8   How do my neighbours, friends and family get alerted?

- CarbonNano offers the **Nano**Mesh™ network as a free of charge service.

- From your online account, you can choose to add people to your **Nano**Mesh™ network, and they will also receive your alarms.

Introducing **Nano**Mesh™

Building The Community

- When alarms are raised from **one person's** home or garden, **everyone** in the **Nano**Mesh™ network receives the alert.

- For early **warning of flooding**, the home that is closest to the rising water level can alert the whole village, and the next village, and so on etc.

- For early **warning of intruders**, the home that is affected can alert their neighbourhood watch, friends, family or sheltered accommodation schemes, and so on etc.

9   Does it work inside and outside?

- Yes, **Nano**Earth™ sensors have a long radio range and can operate both inside your home and also outside in an out building. The Product should not be used directly outside unless it is protected from the weather.

10   How far away from the house will it work?

- **Nano**Earth™ sensors use radio to communicate to the **Nano**Hub™ and the radio range depends upon:-

  - How far your **Nano**Hub™ is away from the **Nano**Earth™ sensors.

  - What type of house walls you have and how damp they are.

  - If you house is made from re-enforced concrete.

- The radio range easily copes with a "typical" brick/block built cavity wall home and a large garden with a concrete walled garage.

- The "free air" line of sight radio range is a built up area is circa 300m.

11   What are the **Nano**Earth™ specifications?

NanoEarth™ Features :-

- Simple to install, just place it where you want to.

- Data sent to Phone App, Tablet, Computer.

- Historical data available for trends.

- Advance warnings using **Nano**Mesh™ to provide details of exposure limits.

- **Advanced product with multiple feature uses.**

- Long battery life > 3 years, or power by USB.

- **Long radio range.**

- Advanced message encryption.

NanoEarth™ Measures:-

Air Temperature & Wind Chill.

Air Pressure & Humidity.

Ambient Light Level & UV Index.

Sound Intensity Level.

Equivalent CO_2 and Total Volatile Organic Compounds Air Quality.

Smoke Detection.