

Green fireworks

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Drone display

- My son told me on Blue Peter they gave a drone show organiser a Green Badge because this is an environmentally-friendly alternative to fireworks.



Blue
Peter

Drone



What is a Green Badge?

- Blue Peter website:

Are you passionate about nature and the environment? Have you done something to help protect our planet, or encouraged others to help? Then maybe it's time to earn your Blue Peter Green badge.



Clip

- ▶ I found a clip that seems to be the relevant item.

Video Visit the URL below to view a video:

<https://www.youtube.com/embed/nBcQrJeUaCE>



- ▶ This is a show by Celestial.
- ▶ There's no badge awarded, though the Green Badge is mentioned — maybe he misremembered this, maybe it isn't in the clip.

Environment

- ▶ From the BP clip:
 - ▶ Presenter: “So why are these drones better for the environment than fireworks?”



Environment

- ▶ From the BP clip:
 - ▶ Presenter: "So why are these drones better for the environment than fireworks?"
 - ▶ Drone guy: "It's sort of a modern alternative to fireworks, basically. They're really cool, they're much quieter, and they're great for kids and animals. . . . Also they don't produce any debris, there's no damage, there's no big smoke. As soon as they land, we can charge the batteries and fly again."



Environment

- ▶ Celestial website: “We want to facilitate the migration away from primitive technologies such as fireworks, towards the drastically lower carbon technology of drones.”
- ▶ Celestial website: “We like to see our drone lights as being the more environmentally friendly successors to traditional firework displays.”

Drone show

- ▶ 650 drones (BP clip).
- ▶ Drones are manufactured, and contain a battery.
- ▶ How are they controlled? BP clip: “all of the drones, they speak to some satellites up in the sky, and essentially we've programmed some patterns or images and the satellites tell the drones where to fly.”
- ▶ Celestial website says shows involve “months of preparation, testing and perfecting”.
- ▶ Celestial website says they do shows all around the world, including Australia.

Question I don't know the answer to:

Are drone light shows an environmentally-friendly alternative to traditional firework displays?

- ▶ What precise question would enable you to answer this?
- ▶ What information would you need to answer this question?
- ▶ What assumptions do you need to make?
- ▶ What information can you source? What do you need to approximate?