

DID YOU WATCH BLUE PLANET 2?



On the 10th December 2017, episode 7 of Blue Planet 2 aired and was watched by over 11 million people. In this final episode, David Attenborough uncovered the impact that our modern lives are having on our best-loved characters from across the series. Many creatures are struggling to survive in today's oceans, and some changes in the ocean will require a global effort. While filming the stunning corals on the Great Barrier Reef's remote Lizard Island, the film crew witnessed a catastrophe. Warmer than normal seas caused the biggest coral bleaching event in human history, killing about 90 per cent of the branching corals at Lizard Island.

Source: [BBC Iplayer](#)

Q: What is the cause of this catastrophe?

A: The rise in Greenhouse gases i.e. CO₂.

CO₂ is the most prominent, abundant and measurable greenhouse gas, responsible for keeping the world warm enough for life. It is also capable of making the atmosphere too warm when its concentration becomes too great.

The increased burning of fossil fuels since the industrial revolution has driven up the amount of CO₂ held in the atmosphere to unprecedented levels. However, a new NASA study provides space-based evidence that Earth's tropical regions were the source of the largest annual increases in atmospheric carbon dioxide concentration in at least 2,000 years.

On average, Earth's land and ocean absorb about half the CO₂ released by humans, with the other half leading to increasing atmospheric concentrations. Adding further greenhouse gases to the atmosphere warms the oceans cool skin layer, which in turn reduces the amount of heat flowing out of the ocean—this is the main cause of coral bleaching.

Deforestation and the burning of fossil fuels remain humanity's biggest contributions to CO₂ increase, and therefore climate change. It is notable though that each El Nino event makes another irregular but significant injection. Reducing the burning of fossil fuels and deforestation are the main elements that could be the key to saving our planet from further destruction however, there are many smaller contributions we can make to help.

Reducing your carbon footprint is a concept that we are all familiar with and one of the easiest ways to do it is by switching our standard, incandescent light bulbs for energy efficient LED light bulbs. Our LED lights use less power compared to traditional halogen and fluorescent sources. As such, the overall kW/hr consumption per year is less, this helps reduce the overall CO₂ emissions.

Our LED products have proven to save businesses up to **90%** in energy and CO₂ and are tested and manufactured to EU standards to ensure that they are safe and efficient, helping to lower the energy required to power them and reducing your carbon footprint.

See it and believe it— read our [case studies](#) and see how much others have saved.



MERRY CHRISTMAS & A HAPPY NEW YEAR!



The year 2017 is nearing its end but our elves are still as busy as ever, manufacturing high quality, low energy LED lights for the rest of the world.

This year we became a Carbon Trust accredited supplier. This is recognition of the huge energy and CO2 savings we have been making for our clients in regards to replacing inefficient lighting with our LED lighting solutions. This scheme allowed many of our customers to get funding for their projects which helps towards to implementation costs when deploying energy saving technology.



2018 is going to be a big one for all of us at Low Energy Designs as we introduce new LED lighting products as well as a state-of-the-art Hybrid Energy Storage System—The first of it's kind!

We look forward to helping many more companies and businesses experience the best that LED lighting can offer and the huge savings that can be achieved in electricity & CO2.

