**05/29 Morning Reading 晨間閱讀文章 文章整理：雙語辦公室**

閱讀時間：5/29早修

**Take out your dictionary first. 請拿出你的英漢字典**

**Follow the steps when you read.**

**Step1→** Read once. When you read, highlight the words you don’t know.

讀一遍，將你不知道的字用螢光筆畫起來。

**Step2→** Find at least five words you don’t know and look them up in the dictionary. Then, write down the Chinese meaning.

找出至少五個不懂的單字，並查閱字典，寫出中文意思。

**Step3→** Read again.

再讀一次。

影片參考：<https://www.bbc.co.uk/learningenglish/english/features/lingohack/ep-191002>

**Need-to-know language**

**generated**– produced

**renewable**– able to replace itself naturally

**reversible**– able to work in two directions

**electricity grid**– system of connected wires

used to carry electricity

**powered**– given energy

**Let’s start! Electric car island**

The savage beauty of Porto Santo attracts tourists who love nature. But people need energy and the way it's generated here is damaging nature. This pollution is coming from the diesel generator which powers the island's homes. Transporting the diesel is expensive and it's fuelling climate change.

聖港島（一個葡萄牙群島）的原始之美吸引了熱愛大自然的遊客。 但是人們需要能量，而能量的產生方式正在破壞自然。 這種污染來自為島上房屋供電的柴油發電機。 運輸柴油非常昂貴，並且加劇了氣候變化。

The local government want clean, renewable energy instead. But wind power and solar power ebb and flow, so they need a way of storing energy for use at nighttime. Here's the chosen solution - the electric car, but not as we know it.

當地政府希望使用清潔的可再生能源。 但是風能和太陽能起伏不定，因此它們需要一種儲存能量的方法，以便在夜間使用。 這是選擇的解決方案-電動汽車，但不是如同我們所知。

In future, electric vehicles here will be fitted with a reversible battery that stores energy for the electricity grid. So how does a reversible battery work?

將來，這裡的電動汽車將配備可逆電池，為電網存儲能量。 那麼可逆電池如何工作？

When the sun is shining, the electricity flows out of the grid, down the cable and into the car. Then it's stored in the battery until nighttime, when it flows back out of the car, up the cable and into the grid to power people's homes. The car is smart so it keeps enough power for itself to be driven.

當陽光明媚時，電力從電網流出，通過電纜向下流入汽車。 然後將其存儲在電池中，直到晚上，然後再從汽車中流出，通過電纜向上流入電網，為人們的房屋供電。 該車很智能，因此可以保持足夠的動力來驅動自己。

On Porto Santo, some police cars are already powered by electricity. To run an effective backup for the local grid, half the cars on the island, like this electric taxi, will need to store power as well as using it.

在聖港，一些警車已經由電力驅動。 為了對本地電網進行有效的備份，島上一半的汽車（如電動出租車）將需要存儲和使用電力。

So is this the road to the future? Well, a couple of years ago, if you'd suggested that car batteries could play a major part in supporting an electricity grid, a lot of people would have laughed. But that is exactly what’s happened. The electricity revolution is going to create a lot more surprises.

      那麼這是通往未來的道路嗎？ 好吧，幾年前，如果您建議汽車電池可以在支持電網方面發揮重要作用，那麼很多人都會大笑。 但這正是發生的情況。 電力革命將帶來更多驚喜。

