

Eco-Friendly Diamonds...

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A team in the UK says they've created the world's first 'zero impact diamonds' from the sky.

Based in Stroud, England, they say they've managed to turn carbon from the air into sparkling jewels!

Dale Vince helped develop the diamonds. He said, "Making diamonds from nothing more than the sky, from the air we breathe - is a magical, evocative idea - it's modern alchemy."

They spent more than five years trying to get the process right in order to create the diamonds.

The synthetic diamonds are identical to traditional ones. However, they are less harmful to the environment.

This is because, normally, diamonds are mined from the ground. This means moving huge amounts of rock and soil using machinery which produces CO2 emissions. The mining process also uses vast amounts of water.

When making the 'sky diamonds', the company took carbon out of the atmosphere.

Dale Vince added, "Our new process puts back air that is cleaner than we take out".

To make it even more eco-friendly, they used rainwater and powered the whole process using solar and wind electricity.

How are traditional diamonds made?

The centre of the Earth is known as the inner core. Temperatures there are roughly the same as the surface of the Sun. Moving outwards, you'd pass through the outer core and then through the mantle before reaching the crust - which is what we're standing on.

Most diamonds were formed billions of years ago in the upper mantle. At roughly 100 miles below our feet, they were created under immense pressure and at temperatures of around 1000°C.

Volcanic activity pushed some of them up closer to the surface where we can now dig down to find them.

It makes you wonder... what else might soon be made out of thin air?

<https://www.twinkl.jp/newsroom/story/eco-friendly-diamonds-mined-from-the-sky>