

For immediate release

TerraPraxis enters strategic collaboration with Microsoft to decarbonize coal

A digital solution will tackle a significant decarbonization challenge – decarbonizing a global fleet of 2,400 coal plants to run on clean energy

LONDON, CAMBRIDGE, Mass. — Sep. 14, 2022 — TerraPraxis, a non-profit focused on actionable solutions for climate and prosperity, is collaborating with Microsoft to deliver a digital solution to tackle a significant decarbonization challenge – repurposing over 2,400 coal-fired power plants worldwide to run on carbon-free energy.

TerraPraxis is looking to combine its deep expertise in energy with Microsoft to build and deploy a set of tools to automate the design and regulatory approval needed to decarbonize coal facilities with nuclear power, helping transition one of the world's largest sources of carbon to zero emissions.

TerraPraxis intends to develop a software application with Microsoft designed to analyze the existing coal fleet to determine the best avenue to retrofit the plants, saving coal plant owners time and money while giving their assets and the communities around them a new lease on life for decades to come.

"We are thrilled to see Microsoft enable the Repowering Coal Initiative and help deliver a fast, low-cost, and repeatable strategy to repower hundreds of coal plants that would otherwise continue to produce large quantities of emissions," remarked Kirsty Gogan, Director at TerraPraxis.

Eric Ingersoll, another TerraPraxis Director, said, *"Our work with Microsoft will accelerate the clean energy benefits that Repowering Coal will bring to each community while simultaneously initiating hundreds of projects by leveraging Microsoft's unparalleled digital capability and global market scale."*

The relationship began during last year's Microsoft Global Hackathon, where the team working with TerraPraxis won the Hack for Sustainability challenge sponsored by Microsoft President Brad Smith.

"The global energy transition requires partnerships and technology innovation like this one led by TerraPraxis to repurpose coal-based power plants with carbon-free energy generation," said Darryl Willis, corporate vice president of Energy & Resources, Microsoft. "We look forward to our role in enabling TerraPraxis to accelerate this transformational solution economically, securely and at scale."

The burning of coal causes more than 40% of global carbon emissions and more than 75% of emissions from electricity generation. As global carbon emissions rebounded in 2021 to their highest level in history, increased use of coal was the main driving factor, reaching an all-time high of 15.3 billion tonnes. According to the International Energy Agency, the world's consumption of coal is set to rise yet again in 2022.

About TerraPraxis

Powered 100% by philanthropy, TerraPraxis is a non-profit organization that innovates and incubates scalable solutions for a livable planet and human prosperity.

<https://www.terrapraxis.org/>

Watch a video from the partnership singing [here](#)

See photos from partnership singing [here](#)

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