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Microsoft and TerraPraxis to repurpose more than 2,400 coal-fired power plants via digital solutions

BY KALI PERSALL

Microsoft and TerraPraxis, a nonprofit focused on actionable solutions for climate and prosperity, have partnered on a project that will repurpose more than 2,400 coal-fired power plants worldwide to run on carbon-free energy.

TerraPraxis will 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.

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quantities of emissions,” said Kirsty Gogan, director at TerraPraxis.

The partnership began at 2021’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 and resources at Microsoft. “We look forward to our role in enabling TerraPraxis to accelerate this transformational solution economically, securely and at scale.”

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