

NVIDIA Inception Program Meets XPRIZE Innovation: Fernando C. Hernandez Advances the AI-Energy-Carbon Management Future

HOUSTON, TX, UNITED STATES, September 8, 2026 /EINPresswire.com/ -- Where AI, energy, and carbon management collide stands Fernando C. Hernandez, Chairman of the Board of the Society for Low Carbon Technologies (SFLCT). An XPRIZE-Recognized Innovator and multi-award-winning mentor with the U.K.'s Net Zero Technology Centre (NZTC), Hernandez is extending his impact into the NVIDIA Inception Program.

This expansion is powered by his AI-Energy-Carbon Management thesis, a framework first articulated in 2025 alongside representatives from NVIDIA, Microsoft, SLB, XGS Energy, Fugro, and Occidental, [as featured in the Journal of Petroleum Technology](#). By applying this framework to guide strategy for a company in the NVIDIA Inception Program, Hernandez operationalizes his thesis that the AI revolution is collapsing the historical boundaries between AI, energy, and carbon management into a unified industrial architecture bridging the digital and physical worlds.

Underpinning this strategic work is [Hernandez's experience with deep-tech across the energy and low-carbon](#) domains through his award-winning mentorship with the NZTC. Since 2020, he has guided 15 international startups (dedicating hundreds of hours) through the NZTC's TechX Clean Energy Accelerator, including startups that achieved XPRIZE acclaim (with one becoming a recipient of the Elon Musk Foundation's Carbon Removal).

In 2026, HexSeed Technology, a carbon capture and utilization company that he mentored, extends this lineage, transforming captured CO2 into diamond coatings for gallium nitride power electronics for data centers. [HexSeed secured more than £600,000 \(equivalent to more than](#)



Fernando C. Hernandez: SFLCT Chairman and External Global Advisor to a Company Accepted into the NVIDIA Inception Program

[\\$800,000](#) U.S. dollars) in early-stage funding led by Carbon13, with participation from NZTC and Vento Ventures, positioning its technology within the AI infrastructure stack, which separately aligns with the AI-Energy-Carbon Management thesis.

Hernandez's carbon management impact extends to South America, where he helped shape the region's first carbon capture and storage law through Brazil in 2024 via the SFLCT, followed by its implementation through presidential decree in 2026. Today, Google is pursuing natural gas coupled with CCS to power U.S. data centers, connecting that South American vision to North America.



Hernandez (middle in blue) with NVIDIA, EcoPower Source Inc., EnergyBackers, KPMG, SLB, and XGS Energy after SFLCT's "Powering the AI Edge" panel

Leveraging his award-winning mentorship experience, he serves as External Global Advisor to U.S.-based EcoPower Source Inc., led by CEO Sharita M. Humphrey, where he refined the company's strategy and provided international guidance ahead of its acceptance into the NVIDIA Inception Program. Presently, EcoPower Source Inc. is advancing geothermal initiatives and energy resiliency hubs designed to power telecommunications through AI-Radio Access Networks (AI-RAN), data centers, and critical digital infrastructure.

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*Fernando C. Hernandez,
SFLCT Chairman of the Board*

Bringing these efforts full circle, SFLCT deployed its platform as an international Non-Governmental Organization (NGO) at an SLB-hosted panel, “Powering the AI Edge: Scaling Infrastructure in Rural Hubs and Megacities.” Hernandez opened the session and shared the stage with leaders from NVIDIA, EcoPower Source,

EnergyBackers, KPMG, SLB, and XGS Energy (which is scaling geothermal solutions for Meta's AI footprint). They mapped the architecture for edge and rural AI compute—detailing 5G/6G connectivity, AI-RAN integration, geothermal co-location, and hybrid microgrids spanning behind-the-meter systems to transmission-level integration for data centers and beyond. Bridging the digital divide, expanding rural economic development, and building the workforce to support the AI transition were key points emphasized by EcoPower Source Inc.

Hernandez concludes, stating, "The SFLCT has a low-carbon imperative to build a specialized talent pipeline that equips present and future generations to deliver measurable impact across the AI-Energy-Carbon Management framework, including applications and markets both seen and unforeseen." Building on SFLCT's existing university and multisectoral engagement, EcoPower Source Inc. is contemplating SFLCT as an NGO vehicle for future workforce development and training initiatives, with its participation in the NVIDIA Inception Program potentially helping inform these efforts through additional AI technical resources and training opportunities.

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