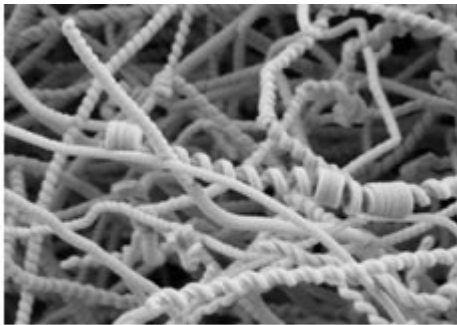




GoNano Develops CO₂ Mitigation Technology

GoNano Technologies' Carbon Capture & Recycle (CCR) development program takes central focus with the development of technology to mitigate CO₂ emissions from the burning of fossil fuels. Worldwide CO₂ emissions are simply astounding: 27 billion metric tons annually in 2008 and estimated to reach 43 billion tons in 2030.

CCR selectively converts ("recycles") CO₂ into formic acid, formaldehyde, methanol through a photocatalytic processing. The CCR system consists of three components: a post combustion CO₂ capture system; photocatalytic panels where CO₂ interacts with GoNano Technologies Nanospring[™]-supported titanium-dioxide catalyst; and a post processing system that separates the products.



Scanning Electron Microscope image of Nanosprings

Conversion efficiencies of ~ 30% have been demonstrated using a laboratory-scale prototype. At this efficiency, the system can sequester 1,170,000 tons of CO₂ annually based on total reported emissions of 3,900,000 tons of CO₂ per year from a 430 MW coal fired plant. GoNano is targeting a conversion efficiency of 90%.

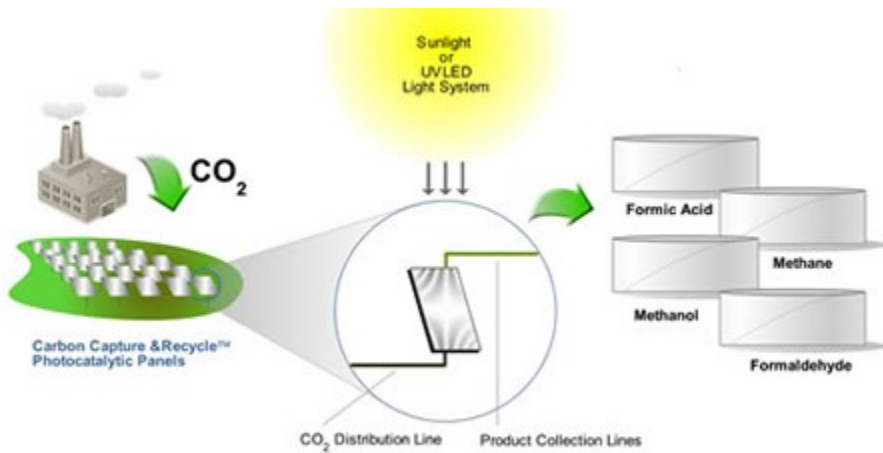
While carbon capture and storage (CCS) has been hailed as the most promising approach for sequestering CO₂ safely away from the atmosphere, the technology remains unproven, costly, and potentially dangerous. Alternatively, CCR treats CO₂ as a commodity that can be converted - or more specifically "recycled" - into useful and valuable feedstock chemicals.

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Upcoming Events

- [April 13: CleanTech Open; Spokane, WA](#)
- [May 11: Idaho's Economy and Emerging Alternative Energy Resources event; Sun Valley, ID](#)
- [May 17-18: Taiwan Venture Capital Association Showcase; Taipei, Taiwan](#)
- [Jun 21-25: TechConnect Summit & Expo; Anaheim, CA](#)



CCR System Schematic

GoNano's Carbon Capture & Recycle technology is at the prototype stage; we have filed for patent protection; and are deploying a lab-scale demonstration system at the University of Idaho wood fired power plant starting May 2010. GoNano is in discussion with two northwest based utilities with the long term goal of installing a prototype at a commercial coal fired utility before launching a pilot program. GoNano Technologies is actively seeking federal support for the continued development of the Carbon Capture & Recycle technology.

"GoNano Technologies' Carbon Capture & Recycle technology represents a paradigm shift where CO₂ is viewed as a commodity rather than a liability," states Tim Kinkeade.

GoNano founders meet elected officials in DC

Company founders Tim Kinkeade, Grant Norton, and David McLroy exhibited at the ARPA-E Innovation Summit in Washington, DC during the week of March 15th. While in the DC area, they met with Senators Patty Murray, James Risch, and Mike Crapo and staff members from Senator Maria Cantwell's office. Additionally, the GoNano team met Department of Energy staff members responsible for carbon capture, nanomaterials, vehicle technologies, and hydrogen storage.

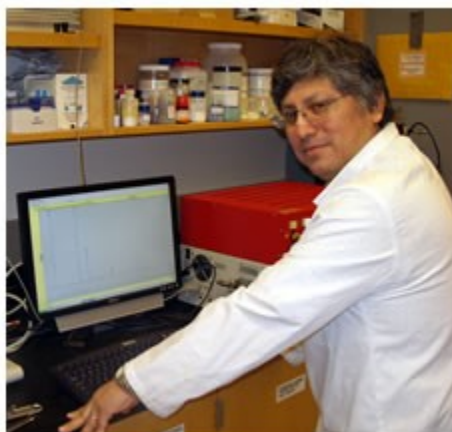


The key objectives of these meetings were to increase the visibility of GoNano Technologies and to build relationships at the federal level to enable greater success in securing funding. Upon their return, Tim said "The meetings in DC were integral to developing a presence beyond the northwest. We significantly raised

the visibility of GoNano Technologies and Carbon Capture & Recycle.”

Chemical Engineer added to research team

Dr. Oscar G. Marin-Flores joined GoNano in December 2009. Recognizing the strategic importance and the multidisciplinary nature of the Carbon Capture & Recycle™ program, GoNano added Dr. Marin-Flores to its growing research staff. With this addition, the research staff now includes expertise in mechanical, chemical, electrical, materials, and bioengineering; and chemistry and physics. With the widening scope of opportunities associated with the Nanospring platform this type of multidisciplinary team is one of the keys to our success.



Dr. Marin-Flores obtained a PhD in Chemical Engineering at Washington State University in May 2009. His PhD Thesis was “Hydrogen Production via Reforming of Logistic Fuels.” His research areas include hydrogen production via reforming processes, solid oxide fuel cells, and carbon dioxide, capture/sequestration. He earned his Master's in Chemical Engineering from WSU and his Bachelor's degree from the prestigious National Engineering University in Lima, Peru. Dr. Marin-Flores is a native of Lima, Peru. He is married to Ms. Lisset Marin and they have a daughter named Elizabeth, aged two.

Please join us in welcoming Dr. Marin-Flores to the GoNano Technologies team.

GoNano in the news and upcoming events

- Washington State University Online Today introduces GoNano, its advances in CCR and Catalytic Converter applications, and a future production facility in [this online news article](#)
- Apr 13: Tim Kinkeade will present at the Clean Tech Open Kickoff Event and Reception in Spokane, www.cleantechopen.com
- May 11: Tim Kinkeade and David McIlroy will exhibit GoNano and speak with international trade journalists at the Idaho's Economy and Emerging Alternative Energy Resources event in Sun Valley, hosted by Idaho Department of Commerce together with the U.S. State Department, <http://fpc.state.gov/138260.htm>
- May 17-18: Eddie Yen, Idaho Asia Trade Representative will feature GoNano at Taiwan Venture Capital Association Showcase in Taipei, Taiwan, commerce.idaho.gov
- Jun 21-25: GoNano will exhibit at TechConnect Summit&Expo in Anaheim, CA and our research staff will present three technical papers on Carbon Capture & Recycle, Catalytic Converters, and

About GoNano

GoNano Technologies is a manufacturer and application developer of nanomaterials for catalysis, pollution control, and

Enhanced ELISA. Tim Kinkeade will present GoNano to the TechConnect Venture Forum on Jun 24,
<http://www.techconnectworld.com/Summit2010>

energy storage. For more information on how GoNano Technologies can enhance your product, or to become a strategic partner, call 208 892 2000 or email sales@gonano-9.com

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