

GABRIEL RODRIGUEZ-CALERO



Ecoelectro, Inc.

Co-Founded with Kristina Hugar

2018 Climate Fellow

BIG BOLD IDEA

Dramatically reduce the presence of fossil fuels in industrial production by reducing the adoption barriers for renewable hydrogen.

ORGANIZATION OVERVIEW

Ecoelectro is tackling the high cost often associated with renewable hydrogen production by creating polymers that enable the use of base metals in electrochemical systems instead of precious metals like platinum. Lowering the adoption barrier of these systems enables more installations that can use renewable energy to produce hydrogen as a fuel and chemical. Moreover, Ecoelectro's technology can facilitate the use of renewables in the grid by storing excess energy in the form of hydrogen in power-to-gas operations, and ultimately making unit, energy, and hydrogen cost-competitive with fossil-fuel-based alternatives.

PERSONAL BIO

Gabriel Rodriguez-Calero is CEO and co-founder of Ecoelectro, where he leads fundraising and business development efforts within the organization. Before Ecoelectro, Gabriel worked to develop materials for energy storage and generation technologies at Cornell University, where he received a PhD in chemistry. At Cornell, he was fascinated by the fact that technology to solve the world's toughest problems exists, but organizations are not bringing these game-changing technologies to the general public. He thus decided to change that.

Organization/Fellow Location

Ithaca, United States

Impact Location

North America

United States

Organization Structure

For-profit

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