Salary : 2800 dollars .

Duration: 3 years.

Links:

https://h2lac.org/noticias/la-guajira-un-polo-en-el-desarrollo-del-power-to-gas-en-colombia/

https://www.eltiempo.com/colombia/otras-ciudades/crean-planta-para-transformar-energias-alternativasen-electrica-en-la-guajira-810785

Contact : Andres Amell, Laboratoire Gasure, Université d'Antioquia, Colombie

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DOCTOR 1

Organization : UNIVERSITY OF ANTIOQUIA

Doctor in the area of mechanical engineering or environmental engineering. To perform activities related to:

- Phenomenological analysis from theoretical and numerical considerations in advanced combustion systems.
- Phenomenological analysis through heat transfer analysis in advanced combustion systems.
- To participate in the experimental activities of the project.

DOCTOR 2

Entity: UNIVERSITY OF LA GUAJIRA

PhD in the areas of mechanical, energy, electrical or related engineering. To perform activities related to:

- Studies of the coupling and synchronization of wind and solar generation in La Guajira.
- Temporal availability analysis of the wind and solar component in La Guajira.
- Experimental evaluation of the synchronization of wind and solar generation to the PtG system.

DOCTOR 3

Entity: UNIVERSITY OF ANTIOQUIA

PhD in the areas of chemical engineering, pure chemistry or related. To perform activities related to:

- Characterization and evaluation of catalysts for methanation reactors.
- Study of the technical feasibility of manufacturing Nickel catalysts in Colombia.
- Experimental evaluation in a methanation reactor.

DOCTOR 4

Entity: UNIVERSITY OF ANTIOQUIA

PhD in the area of mechanical engineering, chemical engineering or environmental engineering. To develop activities related to:

- Phenomenological studies in the combustion of low carbon fuels.
- Phenomenological studies of the heat transfer regime in the combustion of low carbon fuels.
- Participation in experimental activities for technology readiness.

DOCTOR 5

Entity: UNIVERSITY OF ANTIOQUIA

PhD in the area of electrical engineering, electronic engineering or systems engineering. To develop activities related to:

- Application of artificial intelligence in the study of combustion systems.
- Application of digital models in the analysis and prediction of combustion systems.