

INTERNATIONAL PROJECT		Project under Management
Summary Form: Partnership-Search-Form	Agreement Reached	
Input date: 18 th March 2025	Country of origin: INDIA Country of Interest: SPAIN	

✓ Information about the demanding company							
Name of the company		CSIR-Indian Institute of Petroleum (CSIR-IIP)					
Contact Person (name, position)		Dr. Lairenlakpam Robindro, Senior Principal Scientist					
Address		Haridwar Road, P.O. Mohkampur					
Zip Code and City		248005, Dehradun					
Telephone		+91-135-2525810 (O); +91-9520942303 (M)					
Email		robindro@iip.res.in					
Fax		+91-135-2525811					
Web Page		https://www.iip.res.in/homepage/					
Last exercise Revenues M€	Not Available (NA)	Number of employees	≅ 370	Year of Constitution	1960	Share Capital M€	NA
Firm profile: main activity, sector, market position, etc. <p>The CSIR-Indian Institute of Petroleum, one of the constituent laboratories under the umbrella of Council of Scientific & Industrial Research (CSIR), was established on September 26, 1960. CSIR operates under the Ministry of Science and Technology, Govt. of India. The Institute has continued its efforts to grow into an internationally renowned R&D organization, providing quality research and innovative technologies for the national and international market place and to produce technical support to the energy and automotive sector. Accredited with ISO 9001: 2015 certificate, Institute is devoted to multidisciplinary areas of Research and Development in the downstream sector of hydrocarbon and related industry.</p> <p>Institute has experience and expertise in the process and product development (lab / bench / pilot scale), process scale-up, process design, process optimization, process improvement. The institute is also involved in techno-economic feasibility studies, technology assessment, energy audit and conservation in chemical plants, vehicular pollution abatement, use of alternative fuels in IC engines and alternative vehicle powertrain, hybrid renewable energy system and electric vehicle technologies towards Net-Zero of the energy & transport sector.</p> <p>The Institute is primary member of country's Automotive Industry Standard Committee (AISC) and Bureau of Indian Standards (BIS) Committees.</p>							

✓ Technology Cooperation Project or Technology Transfer Project

Description of the Project and type of collaboration wanted

1. Studies and prototype development of control and safety management systems for hydrogen fuel cell packs and supercapacitors modules for future electric mobility solutions (such as EV, FCEV).
2. Development of a smart hybrid power converter and software-controlled energy-management system for a 100 kW renewable hybrid power supply system (derived from wind, solar, biofuels) for EV charging, isolated or remote domestic electricity and green hydrogen production.

Financial Data of the project (For information use only)

Budgetary requirement: Approx. Rs. 20 million rupees (Rs. 2 Cr.)

Estimated Foreseen Budget M€	Not available (NA)	New Partner contribution M€	NA
Public Funds %		Funding %	

✓ Profile of the partner wanted: activities to do by the new partner

Expertise in Power electronics, development of high power converters, Electronic sub-system development, Control algorithms development and IoT features development.

Request to connect us to the interested and right Spanish partners.

✓ Potential Partner Information

Name of the firm							
Contact Person (name, position)							
Address							
Zip Code and City							
Telephone							
Email							
Fax							
Web Page							
Last exercise Revenues M€		Number of employees		Year of Constitution		Social Capital M€	
Firm profile: main activity, sector, market position, etc.							