**Call for proposals for cooperation projects on green hydrogen with EUREKA countries**

**Technical / Content**

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| **Country of your company/institution** |  |
| **Potential target country/countries**(if known) | [ ] Belgium (Flanders) [ ] Canada [ ] Finland [ ] Germany [ ] Ireland [ ] The Netherlands [ ] Portugal [ ] Spain [x] Open |
| **Type of company/institution**  | [x]  SME [x] Large enterprise [ ] Mid cap [ ] Research and Technology Institute [ ] University [ ] Other |
| **Technical Area Keywords** (multiple selection possible)**N.B.:** For entities from Germany, please consult [Call for proposals for cooperation projects on green hydrogen with EUREKA countries - BMBF](https://www.bmbf.de/bmbf/en/home/_documents/call-for-proposals-for-cooperation-projects-on-green-hydrogen-with-eureka-countries.html) for details on topics and [ ] Material [ ] Infrastructure [ ] Sensors [ ] Logistics [ ] Monitoring, control [ ] Efficiency [ ] Safety [ ] Integration [ ] AI [ ] Digital control [ ] Grid [ ] Interface [ ] Storage [ ] Transport routes, analysis [ ] Certification [ ] Economic aspects [ ] Regulatory frameworks [ ] Market models [ ] Acceptance [ ] Value chain [x] Processes [x] Manufacturing [ ] Usage [ ] Design [ ] Other |
| Non-German entities (multiple selection possible)[ ]  H2 production/generation [ ]  Batteries and fuel cells [ ]  Storage [x]  Other |
| **The Pitch: What do you want to do?** (1200 characters max.) Please briefly describe: * the objectives of the proposal and how they will be achieved,
* the product and degree of technological innovation/novelty/market etc. need,
* market potential (e.g. IPRs etc.)

XINTC develops modular alkaline electrolysers in which the principle of "economies of numbers" is applied for scaling up to larger capacities. The design of the XINTC electrolyser deviates from the usual design of electrolyser stacks, by not using membranes, rare earth metals and seals, and by manufacturing the so-called gas module entirely from plastics.The design of the XINTC electrolyser is unique and makes it extremely suitable for direct and dynamic coupling with renewable sources, such as wind energy and PV fields.Through extensive standardization and modularity of both the electrolyser gas modules and the balance on plant, a plug-and-play electrolyser system is created that is entirely based on customer configuration and no longer on engineered solutions, whereby the desired production volume, gas purity and output pressure are achieved by simply adding standard BOP system components.XINTC seeks partnering to develop a large-scale fully automated production process of its gas modules in order to achieve cost market leadership in the range of 150kW to 50+MW for applications in mobility, grid balancing, feedstock production, industrial heating and built environment.The market potential is very large with worldwide sales opportunities. Ultimately, 3 production locations are scheduled. |