



Bu proje Avrupa Birliği ve Türkiye Cumhuriyeti tarafından finanse edilmektedir  
This project is co-funded by the European Union and the Republic of Türkiye



## International Brokerage Event on Clean Hydrogen Partnership 2024 Call

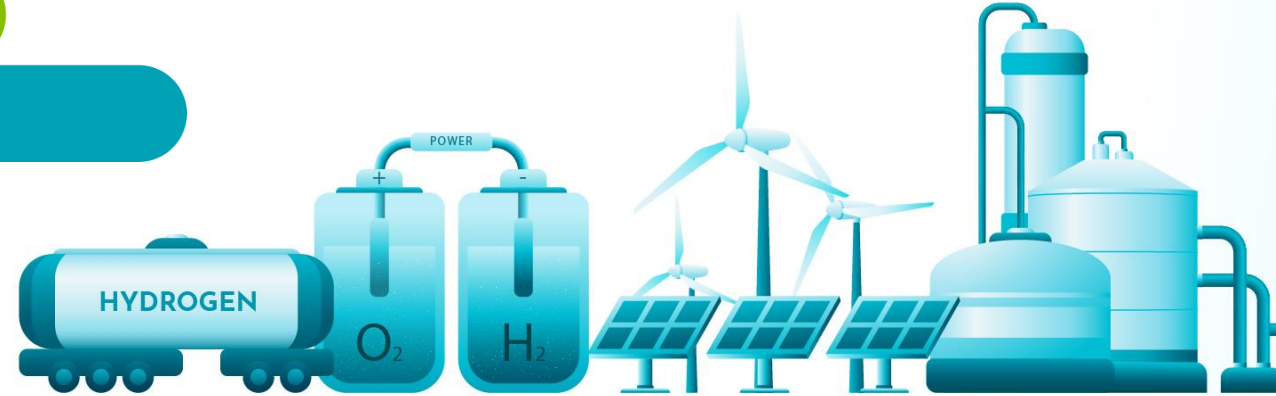


Online

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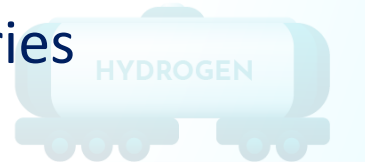
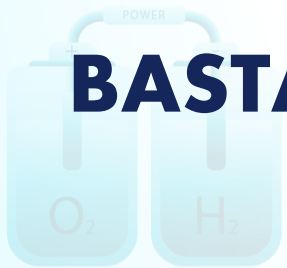




# VICAT GROUP TURKIYE

## BASTAS CEMENT R&D&I CENTER

- ❖ 21 plants in 12 countries
- ❖ 8 companies in Vicat Group Türkiye
- ❖ R&D&I Center
- ❖ Horizon Europe, EraNet, Eureka etc. Programs experience
- ❖ Professional network 400+ organizations from 35 countries
- ❖ Pilot and industrial demo capability
- ❖ Advanced test laboratories



# Industrial Scale Demonstration Through Project Partnership



## Proposed Approach

Problem to be solved

- Hydrogen combustion as main fuel in cement production might **reduce** a cement plant's **CO2** emission per ton clinker **up to 30%**. Therefore, integration of H2 to cement industry is crucial.

Scope to be addressed

- Industrial scale demonstration to acquire real data
- Integration of hydrogen to the existing production line
- System run, hydrogen replacement analysis, performance and benchmark studies.

Partner/consortium looked for

- Looking for consortiums to contribute to research, demonstration and dissemination.

## Experience

Previous relevant work

- Completed 2 industrial scale project including kiln operations and acquired 4 patents and 2 new products.
- Industrial scale demonstration opportunities, which carries the TRL from 6 to 8-9, are rare in cement industry and less expensive in Türkiye due to the currency.
- Demonstrations are easier in experienced and willing plants as they are supported by their mechanical departments, as Bastas does.

Extras

- Bastas is a group company of VICAT.
- Experienced in 17 Horizon project submissions.
- Very broad range of communication and dissemination network.

## Organisational Capabilities

Critical infrastructure

- Multiple production line to perform industrial demonstration
- Experienced R&D&I center
- Research, feasibility and application infrastructure

Organization type

- Industrial Private Organisation

## Calls

- HORIZON-JTI-CLEANH2-2024-02-03
- HORIZON-JTI-CLEANH2-2024-02-04
- HORIZON-JTI-CLEANH2-2024-03-02
- HORIZON-JTI-CLEANH2-2024-04-02
- HORIZON-JTI-CLEANH2-2024-06-01
- HORIZON-JTI-CLEANH2-2024-06-02



***THANK YOU!***

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