



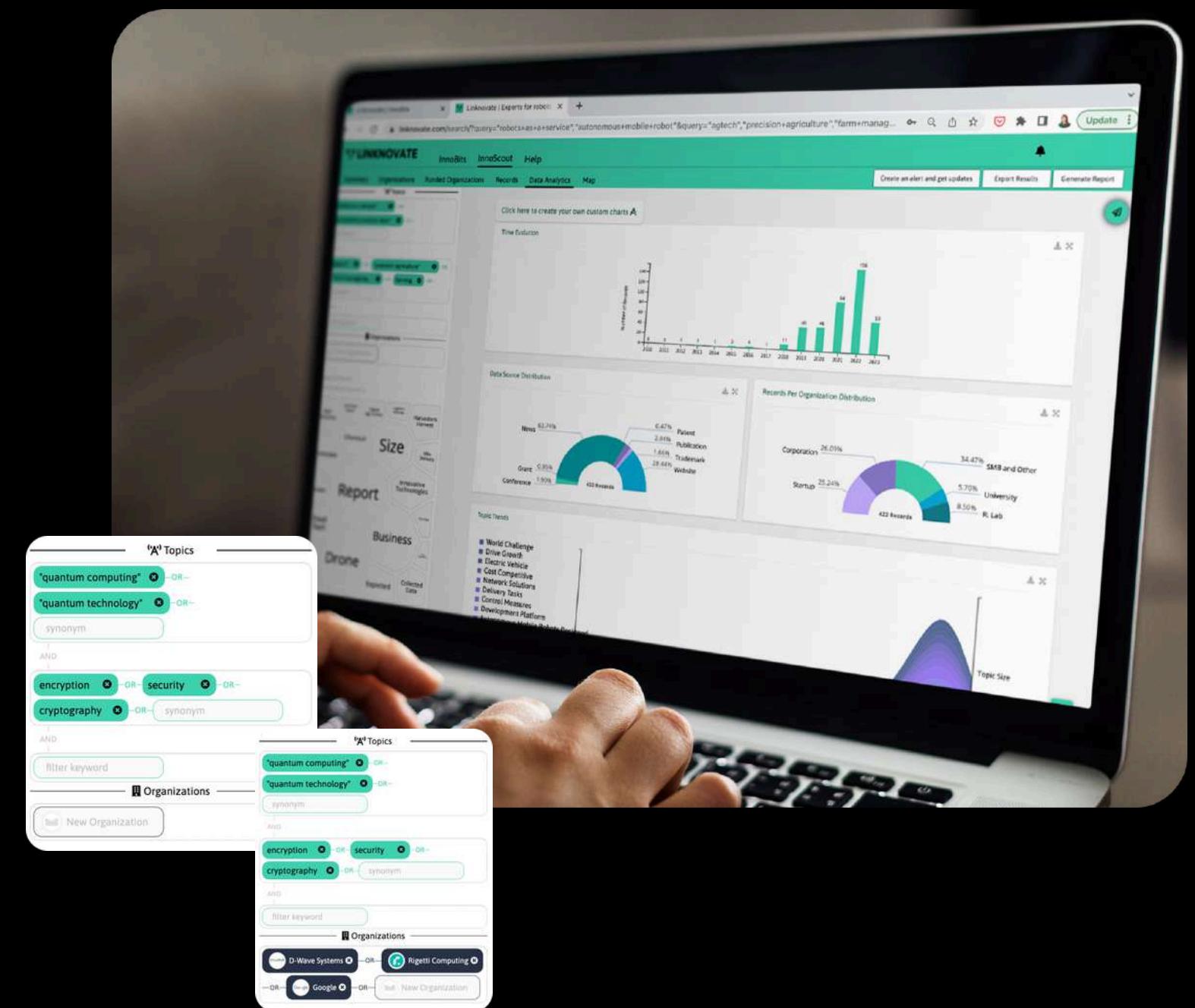
The Power of Generative AI in Innovation Scouting and Competitive Intelligence

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About Linknovate

Linknovate is a tech-scouting and competitive intelligence platform helping companies detect emerging technologies and market trends, as well as the organizations behind them.

-  Identify key companies in emerging markets.
-  Discover relevant trending topics and keywords.
-  Obtain references from >100M academic & industrial sources.



Why Linknovate?



All data in one.

Linknovate integrates different data sources in one search.



Better reporting.

Enhance reporting and team-work with a collaborative approach.



Time saving.

Not only quality, but also fast search and reporting feautures.

“Team-based innovation scouting and monitoring”

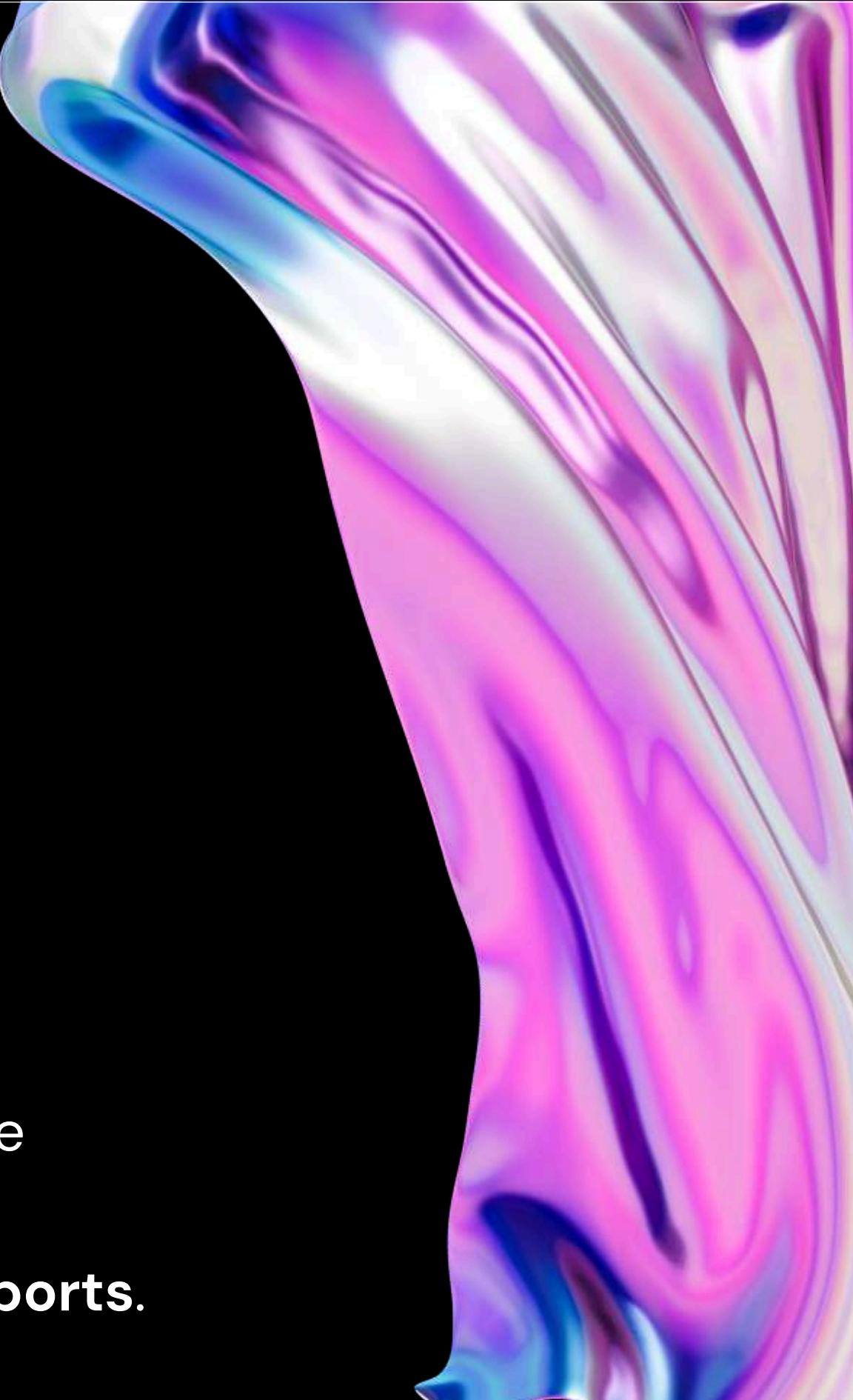
Cooperative work above individual search.

Challenges & objectives

GENERATIVE AI
INTEGRATION IN OUR
PLATFORM

SIMPLIFY SEARCH
AND KEYWORD
SELECTION

Our efforts for this year were focused on the challenges related to the surge of generative AI and the possibilities it opens for our tools. The result was the creation of two new features: **AI Search** and **AI Reports**.



AI Search

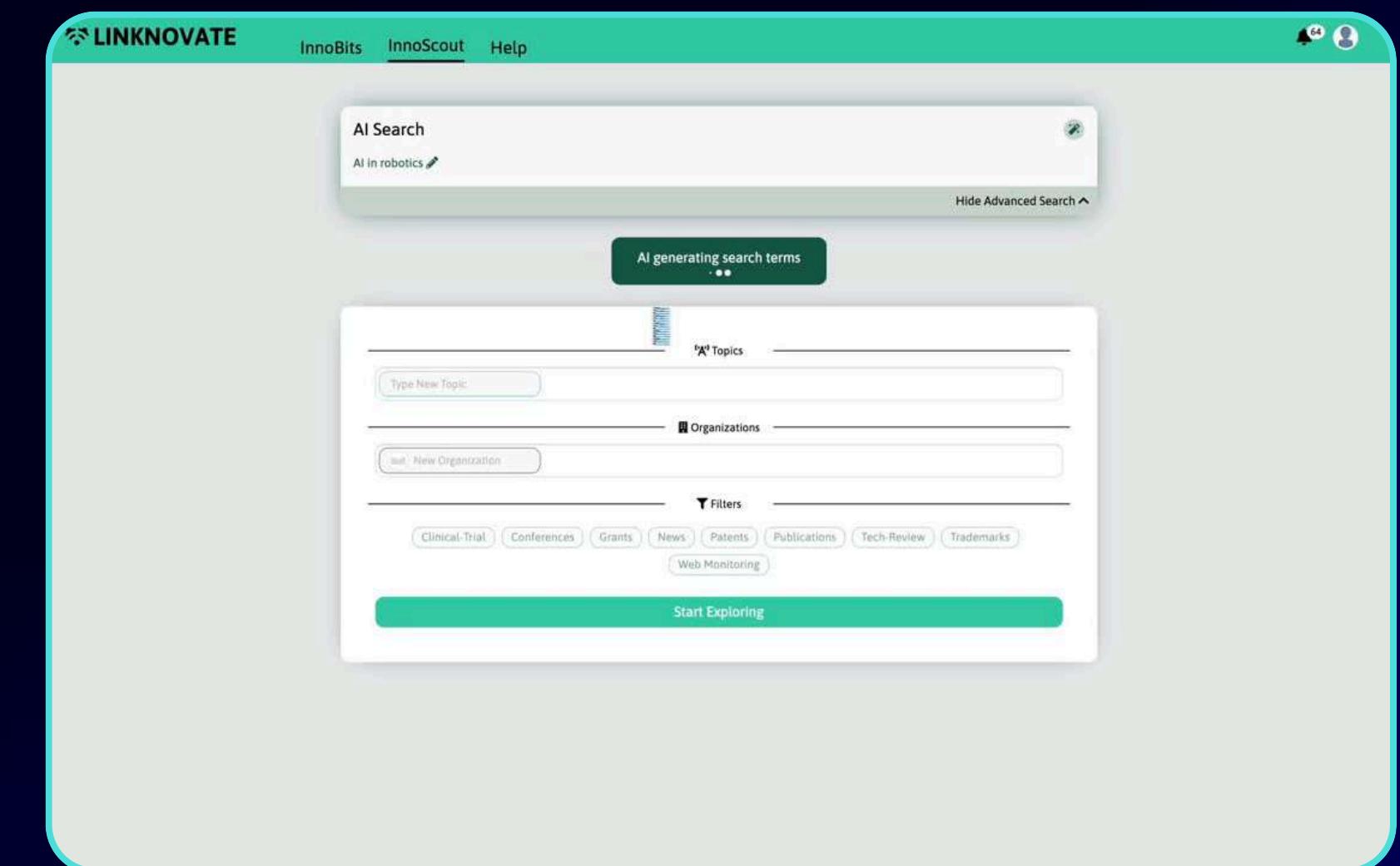
A **new feature** that simplifies and enhances the innovation scouting process by leveraging **generative AI** to create comprehensive search queries.

How It Works:

_Ask: Describe your interest

_Generate: AI Search builds a query

_Explore: Dive deep into relevant innovations and trends.

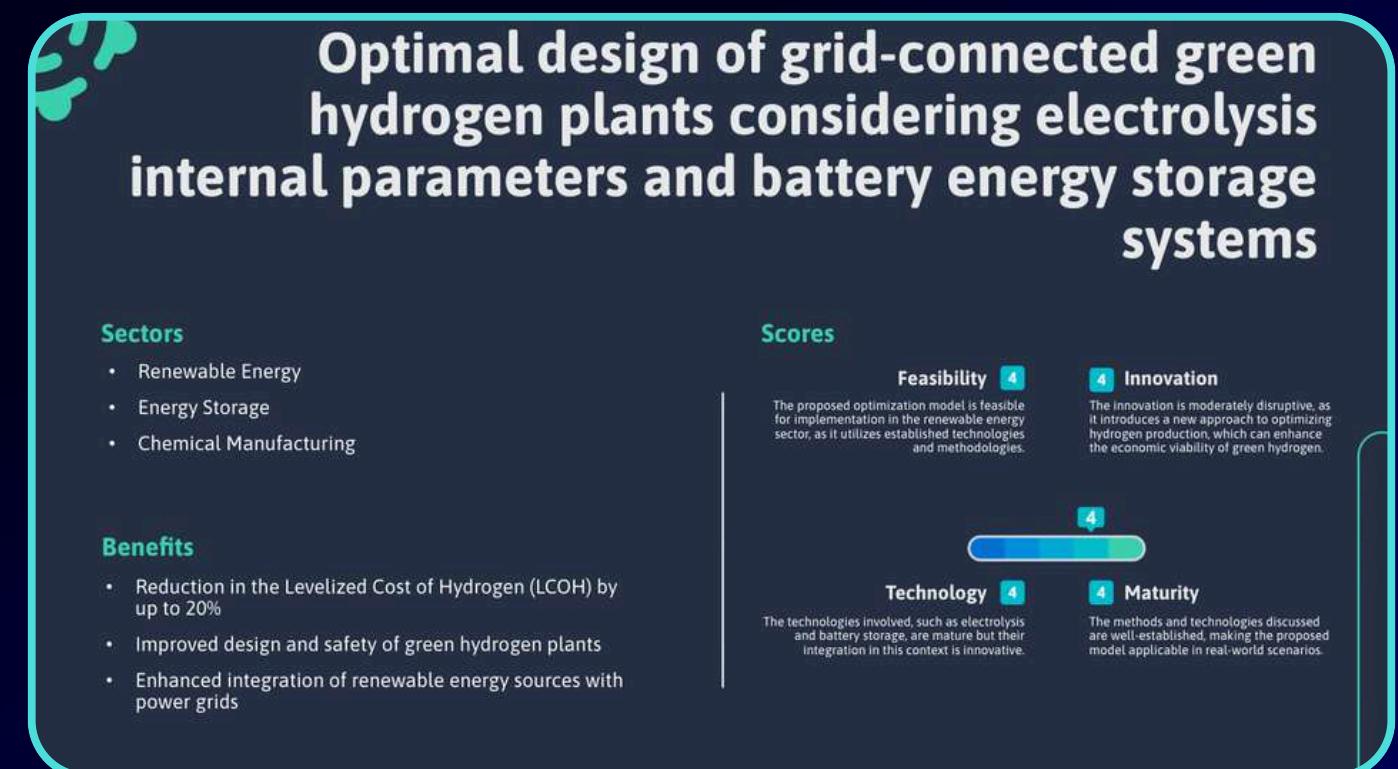


AI Reports

A **new feature** that allows users automatically generate insightful, **data-driven reports** by just clicking a few buttons

How It Works:

- Select:** Organizations, records, or graphs.
- Generate:** descriptions, data, and visuals.
- Download:** Receive a polished, professional report ready to share or present.



Optimal design of grid-connected green hydrogen plants considering electrolysis internal parameters and battery energy storage systems

Sectors

- Renewable Energy
- Energy Storage
- Chemical Manufacturing

Benefits

- Reduction in the Levelized Cost of Hydrogen (LCOH) by up to 20%
- Improved design and safety of green hydrogen plants
- Enhanced integration of renewable energy sources with power grids

Scores

Feasibility 4 / 5

The proposed optimization model is feasible for implementation in the renewable energy sector, as it utilizes established technologies and methodologies.

Innovation 4 / 5

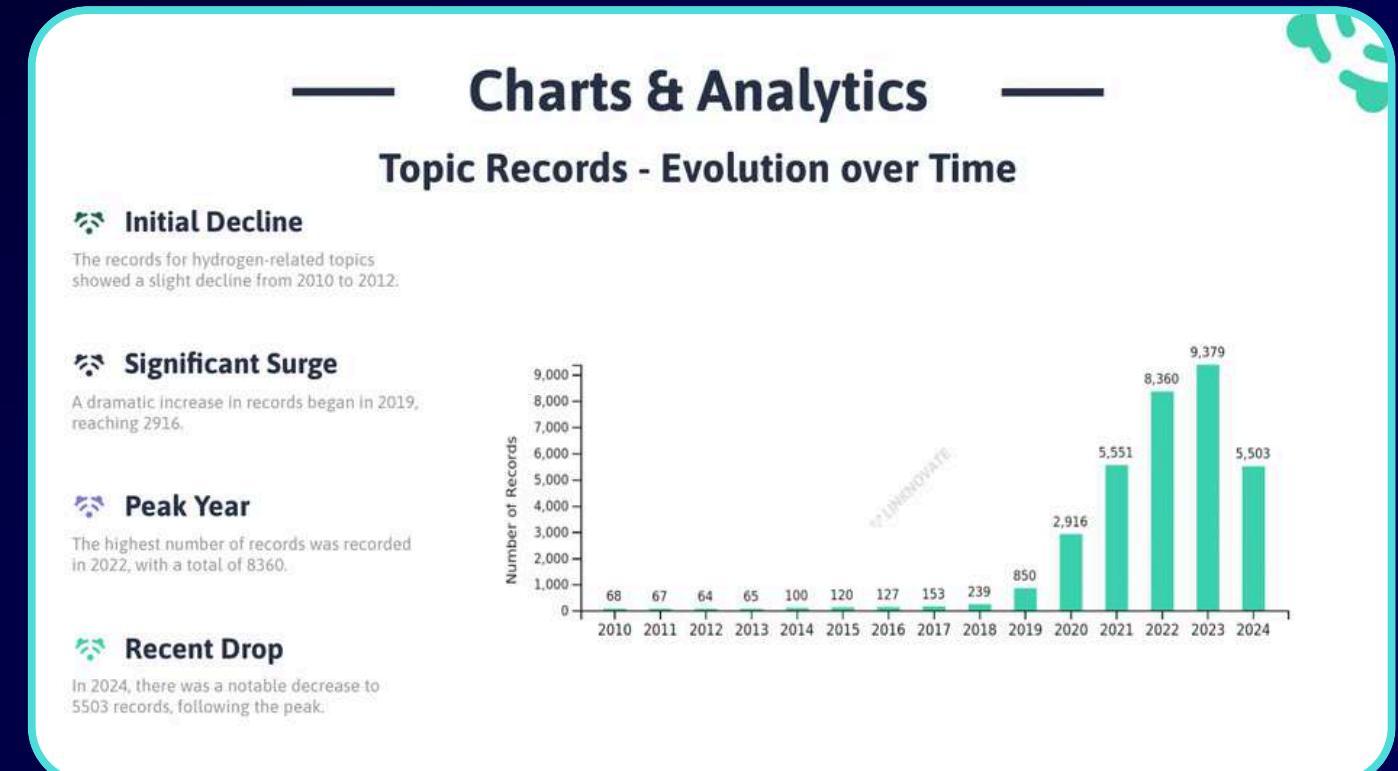
The innovation is moderately disruptive, as it introduces a new approach to optimizing hydrogen production, which can enhance the economic viability of green hydrogen.

Technology 4 / 5

The technologies involved, such as electrolysis and battery storage, are mature but their integration in this context is innovative.

Maturity 4 / 5

The methods and technologies discussed are well-established, making the proposed model applicable in real-world scenarios.



— Charts & Analytics —

Topic Records - Evolution over Time

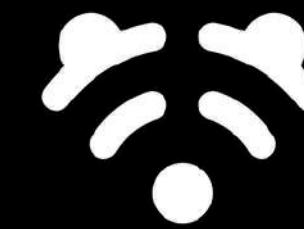
Initial Decline
The records for hydrogen-related topics showed a slight decline from 2010 to 2012.

Significant Surge
A dramatic increase in records began in 2019, reaching 2916.

Peak Year
The highest number of records was recorded in 2022, with a total of 8360.

Recent Drop
In 2024, there was a notable decrease to 5503 records, following the peak.

Year	Number of Records
2010	68
2011	67
2012	64
2013	65
2014	100
2015	120
2016	127
2017	153
2018	239
2019	850
2020	2,916
2021	5,551
2022	8,360
2023	9,379
2024	5,503



LINKNOVATE
YOUR DISCOVERY ENGINE



Let's talk!

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