HUB TECH IA

AI and IAGEN Application Use Case

Automatic queries - Immediate access to operational information in the Energy Sector in Vaca Muerta

Classification of deliverable report 30: "Automatic queries - Immediate access"
to operational information in the Energy Sector in Vaca Muerta":

Classification 1: By Main Resource

• Selected option: Oil, ÿ Gas,   Water + energy (approach)

comprehensive).

• Justification:

The report covers the use of IAGEN to answer frequently asked questions in
All aspects of the energy sector in Vaca Muerta: production, infrastructure,
regulations, sustainability, and market. Includes analysis of
environmental impact (water, emissions), oil production and export and
gas, covering the three resources transversally.

Classification 2: By Activity within Vaca Muerta

• Selected option: Information Management and Decision Making
• Justification:

The report focuses on the implementation of automatic systems based
in IAGEN to access critical information in real time, facilitate decision making
informed decisions, and respond to operational, regulatory,
productive and environmental. The automated generation of
reports, summaries and data-driven recommendations.

Classification 3: Type of AI Technology Used

• Main selected option:

   1ÿÿGenerative AI Models,

   3ÿÿNatural Language Processing (NLP) Systems, 6ÿÿAI

   Platforms for Data Integration and Big Data, 5ÿÿAI

   Systems Based on Intelligent Agents.

• Justification:

   The document clearly describes the use of generative models as

   ChatGPT to answer automated queries, generate reports and assist

   in decision-making. Uses language processing technologies

   natural to extract information from technical and regulatory documents, and is

   integrates with internal systems through intelligent agents for queries

   via chatbots, intranet integrations, and corporate dashboards.

Classification 4: By Strategic Impact on the Industry

1. Selected option: Strategic Decision Making and Data Analysis
2. Justification:

   The main impact is the substantial improvement in access and strategic use.

   of critical information in real time. This allows for more agile responses,

   efficient and accurate in response to operational, regulatory,

   financial or environmental, strengthening decision-making capacity

   at all levels within the Vaca Muerta energy ecosystem.