GenAI 4Energy

GenAI for Energy and Sustainability Hackathon 2025

A collaboration event of

data iku

slb

Save a Spot!

Don't MISS OUT

GenAI for Energy and Sustainability Hackathon 2025

A Collaboration event of

Registration is *EXTENDED!*

June 15th, 2025, 12.00 AM

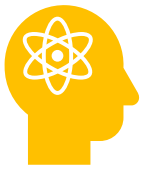
Registration: http://www.genai4energy.com

- Skills Development
- Networking Opportunities
- Career Advancement
- Mentorship
- Prize and Recognition

What is GenAI Hackathon about?

GenAI for Energy Hackathon event aims to bring energy industry professionals come together to solve real domain problem statements by leveraging Generative AI techniques.

Our Values



Focus on critical domains

Production, drilling, reservoir and sustainability domains

Real-world problem statements

Directly inspirated by energy and sustainability industries' needs

Collaborative Opportunities

With experts and mentors from leading energy and technology companies

A showcase platform

Of innovative ideas that contribute to the energy and sustainability transition

Our Timelines

Invitation → Registration → Onboarding webinar → Dataiku workshop → Hackathon Prototype Stage → Presentation preparation → Final presentation

	Date	Events
■	**May 14 - June 15, 2025**	Registration and team formation
■	**June 19, 2025**	Onboarding webinar and final team announced
■	**June 25-26, 2025**	Dataiku workshop
■	**June 30, 2025**	Hackathon: prototype stage starts
■	**August 1, 2025**	Hackathon: prototype stage ends
■	**August 4-15, 2025**	Hackathon presentation preparation
■	**August 20, 2025**	Final presentation and winners' announcement

Hackathon Round

The 2025 GenAI for Energy Hackathon showcases the GenAI solutions to solve the real-world energy challenges. Participants will design and prototype solutions for one of three key energy domains:

- **Production & Reservoir**
- **Drilling**
- **Sustainability**

What to Expect:

Open-Ended Challenges: Teams will select a domain to tackle a real-time challenge designed to test their abilities to solve complex energy problems utilizing SLB's data science platform.

Prototype Development: Teams are required to create a working prototype or proof-of-concept that addresses their chosen challenge, focusing on practicality, scalability and industry impacts.

Expert Guidance: Mentors and industry professionals will be available to provide guidance and insights, helping teams refine ideas and approaches.

Online Submission: Each team will submit their solutions and results through our dedicated platform.

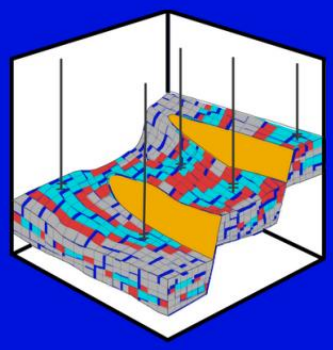
Judging Criteria: Prototypes will be evaluated on innovation, technical feasibility, scalability, accuracy, sustainability and potential impact in the energy domain.

GenAI 4Energy

data iku

slb

Problem Statements



Production

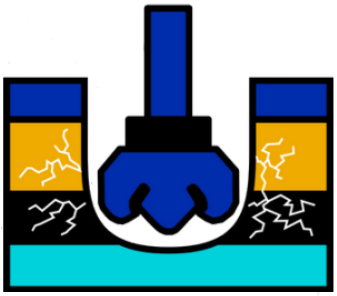
GenAI-Driven Diagnostic Assistant for Oil & Gas Production Analysis

This project aims to leverage GenAI to accelerate oil & gas production diagnostics through a Natural Language Interface tailored for engineers. By combining LLMs with structured and unstructured data fusion, it enables rapid, reproducible diagnostics and anomaly detection.

Drilling

Optimizing Drilling Operations with GenAI

The project aims to extract relevant information from daily drilling reports to streamline drilling operation optimization by automating the end-to-end process — from unstructured drilling reports to actionable insights and recommended action plans by leveraging the large language models.



Sustainability

GenAI for Carbon Futures – Smart CCS Planning & Storytelling

The project designs a GenAI system to match CCS projects with optimal emission sources based on location, capacity, and status, using LLM + RAG to contextualize projects and suggest integration opportunities. The participates can create a generative AI storytelling tool that narrates the environmental and economic impact of CCS projects.

Team Requirements

Team Formation

- Representing 1 legal entity from Australian energy operator company or regulatory organization.
- Team member ranges from 1 to 4 people.
- Join as the individual or team.

Team Members

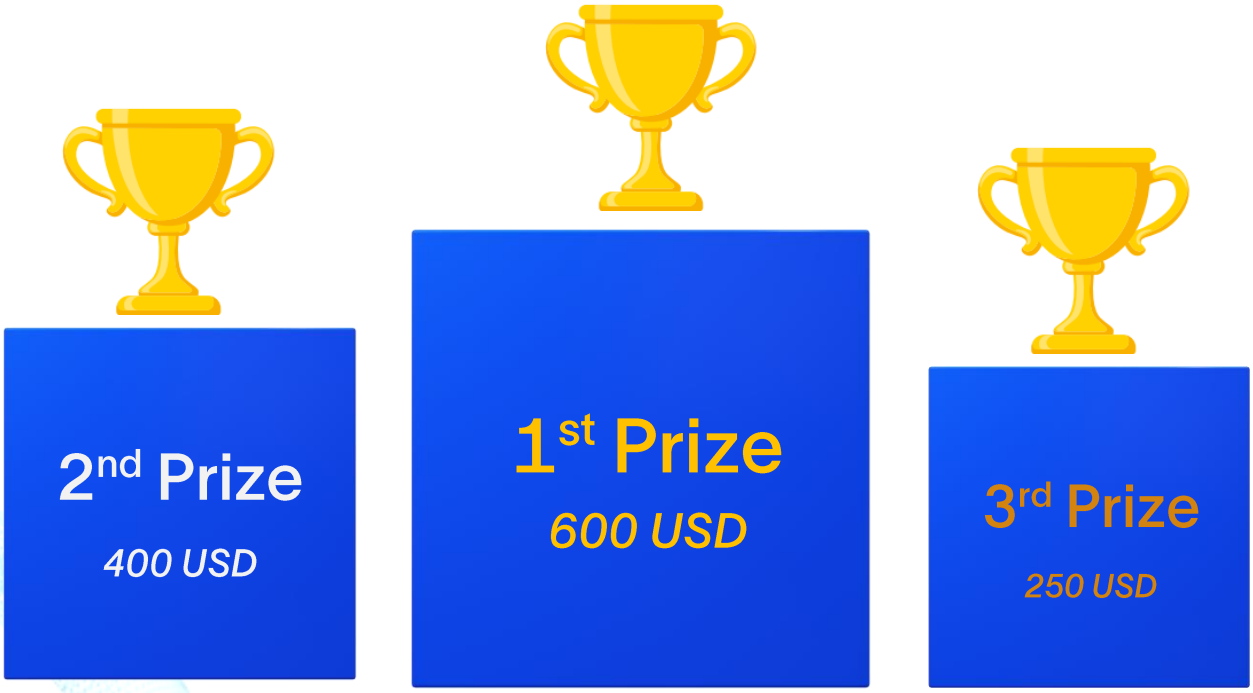
- Can be working for an energy operator company, job seekers or university students in Australia
- Has a valid company or organization email address, is seeking for a job or university email address

Gen AI 4Energy

data iku slb

Exciting Rewards Awaiting

The Winners!



All participants: Digital Certificates and T-shirts

Note: The prizes above represent the dollar equivalent per team.

Find More Details & Register

Just Click!

☞ http://genai4energy.com

Social Network:

Email: genai4energy@slb.com

Website: genai4energy.com

LinkedIn: GenAI4Energy 2025