An open-source collaboration tool for tomorrow's network

Unlocking network complexity for faster and better stakeholder engagement
This innovation moonshot can develop a platform that is effortlessly accessible by your entire staff and stakeholder cohort when engaging on complex network issues or considering opportunities or impacts of the energy transition.

GridGuru: Breaking the barriers with AI-Assisted Energy Modelling

Project description

GridGuru is a transformative initiative aimed at enhancing the transition of Australia's electricity networks through advanced AI-assisted energy modelling. The project offers an intuitive, interactive, and user-friendly platform that enhances engagement, negotiation, and comprehension of complex network investment planning and asset management. It leverages machine learning, advanced generative AI, large language models and best of breed visualisation platforms and technologies.

Features

- User-friendly Large language model (LLM) for easy collaboration.
- Open data access for community groups and new energy providers.
- Integrated hosting capacity modelling for LV grids.
- It reveals technical and financial opportunities and roadblocks.
- GridGuru provides optimal strategies for network management and other new projects

Targeted impacts

This project aims to significantly improve the speed, effectiveness and manner in which electricity networks work with their customers, shareholders, stakeholders and regulators. GridGuru will provide an intuitive platform on which these groups can meet, discuss, model and negotiate complex network issues It will also help to build scenario testing for CER growth, assess maximum and minimum demand studies and explore various other scenarios.

Project Outcomes

- An open-source AI-powered digital twin of the network.
- Local load model and analysis.
- An open-access platform for energy data sharing and collaboration.

Benefits

- More effective technical discussions with Senior Executive and Boards
- Faster and clearer demonstration of impact leading to investment justifications.
- Self service exploration of network constraints by energy project proponents (Commercial developers, Community energy groups, Energy consultants).
- Simpler and understandable engagement with shareholders and customer forums on complex issues.
- Demonstration of CAPEX strategy for regulatory submission.
- Engage with emergency services and reconstruction agencies.
- GridGuru supports shareholders, executive management teams, policy and regulatory stakeholders, community engagements, commercial developers, and supply chain suppliers.

Be an innovative partner

Join us if you are a network or retail business, policy maker, Government stakeholder and/or have energy project proponents.

Contact Details

Neil Horrocks, Program Leader, RACE for Networks:
0409 843 935, neil.horrocks@racefor2030.com.au

Annie Carapetian, Research Partner Manager
annie.carapetian@racefor2030.com.au

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