# 2021

# PROJECT PROPOSAL

## ENERGY CONSUMPTION IN AUSTRALIA

**PROPOSED TO:**

Foreign Investor

**ORGANISED BY:**

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# THE TASK

Focusing on the strengths of the team members, this project delivers an interactive dashboard using tools such as Flask, Javascripts D3 library, Plotly and numerous programming libraries. Data on energy consumption by specific industries and GDP/GSP statistics were sourced from energy.gov, cleaned and uploaded to PostgreSQL to be used for visualisations.

# PROJECT BACKGROUND

Over the past twenty years, Australia has changed a great amount and electricity has formed a key part of our lives. This project looks at energy consumption trends for five key industries in Australia and compares this observation with the Gross Domestic Product. This information is available to the foreign investor via an interactive dashboard to pick and choose which state they see the most potential in.

# GOAL

**Present a comprehensive story to our client about energy consumption trends in Australia and how GDP influences this**

# TASKS

- Source data that pertains to our topic
- Clean the data collected to ensure a smooth analysis
- Upload this data to a database
- Build a rough skeleton of the dashboard to be used
- Build the appropriate visualisations using libraries such as Plotly or Leaflet
- Implement these visualisations into the dashboard
- Finalise the dashboard and report for presentation

# USEFUL LINKS

- Group repository
- Dashboard
- Download link for Table 1 (GDP/ GSP statistics)
- Download link for Table 2 (energy consumption by industry)