DecisionBrain Gene Studio

An Innovative Low-Code Platform for Advanced AI-Based Planning and Scheduling

A flexible low-code UI dedicated to planning and scheduling solutions

DB Gene Studio is a web-based application with an intuitive UI that allows you to easily configure dashboards with business widgets that have many out-of-the-box functionalities:

- Planning Board and Scheduling Board
- An interactive Gantt chart for easy plan adjustments
- Notebook visualization widget, embedding Jupyter-based Python visualizations into dashboards and leveraging the Python ecosystem
- Tables, pivot tables, charts, maps, KPIs, and more.

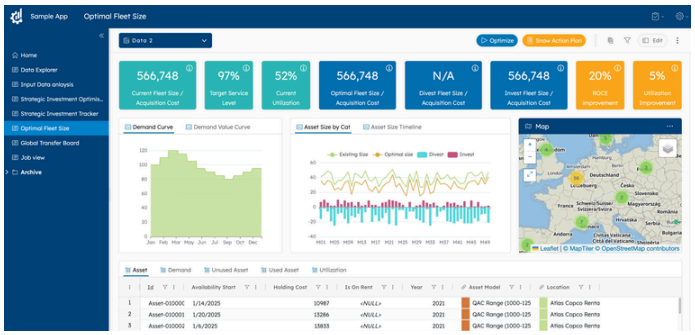
Designed for OR experts, Data Scientists and Business Analysts

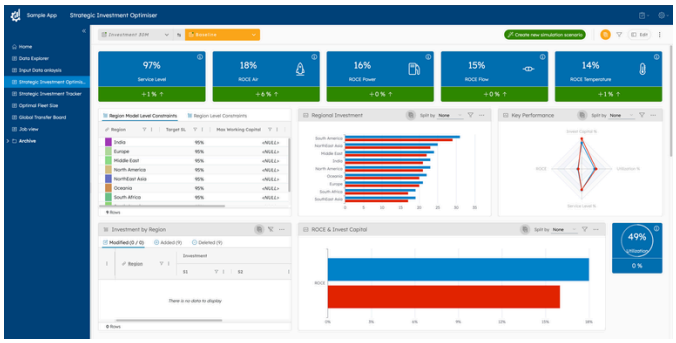
DB Gene Studio is seamlessly integrated with JupyterLab, enabling you to:

- Easily plug in your planning and scheduling model
- Use your favorite solver (CPLEX, Gurobi, HiGHS, etc.) or programming language (AMPL, Python, Java)
- Write data checkers to simplify the data validation process

Moreover, with DB Gene Studio, you will be able to:

- Run what-if analysis on several scenarios
- Write business rules (Drools) to edit data, create checkers, or generate quick reports





"Open the box" if complex customization is needed

DB Gene

Optimized for complex workflows and applications in production, DB Gene is the next step in:

- Customizing the UI of your application by extending the behavior of existing widgets or creating new ones (for development teams)
- Managing system integration and deploying applications anywhere (for IT & deployment teams)

DB Gene relies on open-source frameworks and libraries.

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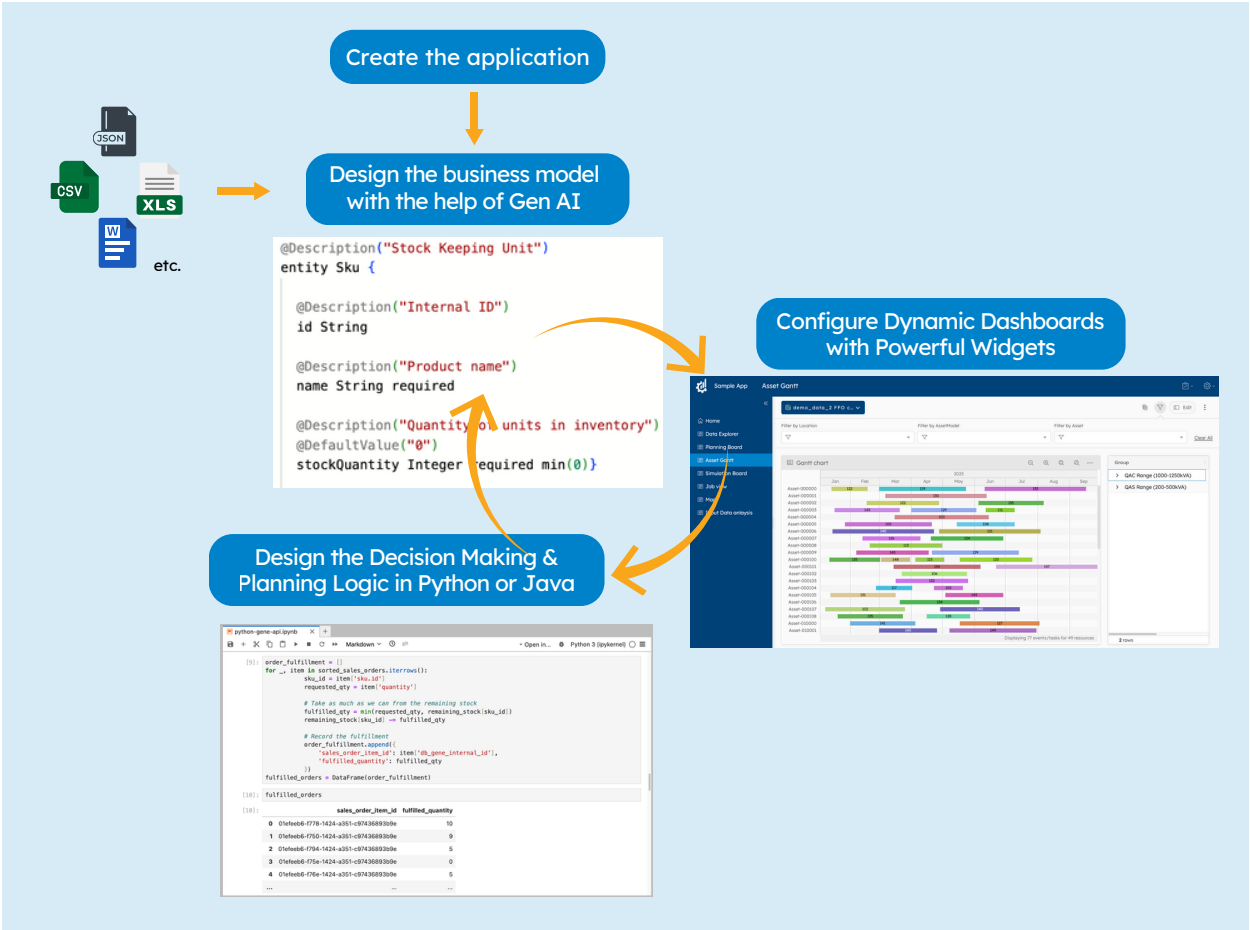
Turn Optimization Ideas into Business-Ready Applications

A powerful platform for turning optimization and ML models into a web-based application

DB Gene Studio allows you to easily build model-and-run applications based on your algorithms/models. This makes it perfectly suited for building prototypes and PoCs.



Ideal for showcasing the business value of your decision-making and planning logic to stakeholders

DB Gene Studio enables you to quickly build a user-friendly application that your stakeholders can use to test your models, thus ensuring:

- Greater trust and better communication with business users
- Easier adoption of the solution

Curious how this would work for your use case? See DB Gene Studio in action.