WHY BCG GAMMA ENERGY?

- **Impact**
  - Deep understanding of clients and their business context
  - Extensive experience leading digital across industries and functions

- **Opportunity**
  - Top tier consulting firm pioneering and leading strategy consulting
  - 90 Offices, +50 countries and 23k BCGers

- **People**
  - International experience
  - Client exposure
  - Step learning curve
  - Training opportunities

WHAT ARE WE LOOKING FOR?

- **Talent**
  - We offer multiple career paths for the world’s best talent
  - We count on your authenticity, exceptional work and integrity

- **Technical background**
  - Innovative skills in computer science, AI and statistics
  - Ability to apply edge analytic approaches, data and technology

- **Long-term view**
  - Commitment to join our world-class team of data engineers, data scientists and business & expert consultants

SELECTED PROJECT: ADVANCED SCHEDULING

- Refinery scheduling consists in planning the operations for a certain period to maximize profit while respecting multiple constraints

- Complexity associated to scheduling is beyond a human’s ability to find the optimal solution

- Advanced Scheduling is a tool that optimizes the end-to-end refinery scheduling, from crude ships reception to product dispatch management

- The tool optimization has proven to have an annual impact of more than 30M€ due to the enormous processing capacity of refineries

- Optimal solutions generated through a genetic algorithm: scenarios are explored to execute the necessary tasks using randomness to resemble mutation and they are propagated to the next generation

- The software stack is C++ and Python for backend, JavaScript for frontend and Docker for containerization, after being deployed to a web server the tool is accessed via browser

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