INTRODUCTION

Small Scale LNG (SSLNG) projects are suffering from unprecedented pressure to reduce costs. However, LNG supply projects are complex, with high financial stakes. Investors need thorough analysis to reduce their risks and make the right choice.

ENGIE Lab CRIGEN developed the Optiretail software application for optimizing SSLNG logistics taking into account their associated constraints. The results of this multicriteria optimization enable decision-makers to answer several strategic questions, such as truck fleet size, LNG sourcing, station capacity, and the order for delivering to the different sites, while minimizing total cost (operational and investment costs).

METHODLOGY

WHAT IS OPTIRETAIL’S ADDED-VALUE?

1. Unique new software that combines logistical expertise and historical LNG know-how of over 50 years.
2. It determines, with an unmatched level of precision, a mathematically optimized supply chain design and gives you the reliable, predictable information you need to manage your investments.
3. From LNG source to end-users, it analyses 24 billion bits of strategic data and optimizes each design parameter, helping to reduce up to 15% of your total investment.

APPLICATION EXAMPLES

OPTIMIZE YOUR SSLNG LOGISTIC CHAIN!

- Optiretail tests new configurations and provides real-time optimization, dimensioning of the number of slots per terminals, and the connection of supply stations and industrial customers in only few minutes.
- Optiretail has been tested on several scenarios. The robustness, speed and adaptability of the model have been validated for road and marine transportation.