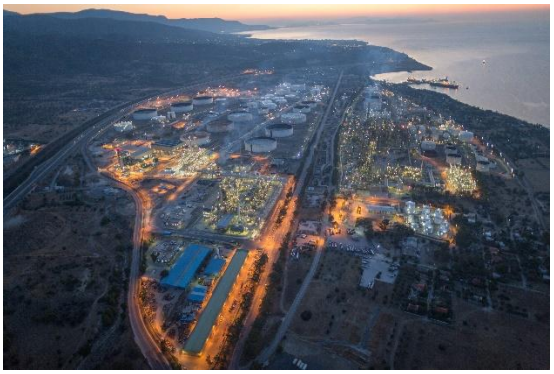
Motor Oil Hellas Corinth Refineries S.A. (MOH) is a prominent player in the Greek petroleum refining and trading industry. It operates one of Europe's largest and most modern refineries, located in Agioi Theodoroi, Corinth, Greece. The refinery excels in processing crude oil to yield a comprehensive range of petroleum products, including gasoline, diesel, jet fuel, kerosene, LPG, and base oils. Moreover, MOH holds a prominent position in the lubricants market, manufacturing and marketing its in-house brand of lubricants.

MOH's refinery has a processing capacity of 185000 barrels per day (BPD), making it a crucial supplier of petroleum products to Greece, Europe, the Middle East, and Africa. The company's commitment to sustainable development is evident in its ongoing investments in environmental technologies aimed at minimizing its environmental footprint. MOH stands as a significant contributor to Greece's economic well-being and plays a pivotal role in ensuring the country's energy security.



In addition, MOH is consistently striving to enhance the efficiency and productivity of its Corinth refinery. By embracing digital technologies, MOH is paving the way for a future that is characterized by enhanced safety, optimized processes, and sustainable practices. Advanced automation systems, big data analytics and artificial intelligence technologies are the cornerstones of the digital transformation at MOH. These technological advancements enable the refinery to operate with precision, monitor performance in real-time, and leverage data-driven insights to optimize its operations. MOH's commitment to digital transformation is solid, and the company continues to explore innovative technologies that could further optimize operations and contribute to a greener future.

In FAME, MOH aims to evaluate the quality and monetary value of its industrial data assets, particularly those collected from various sensors in oil refineries. One of the key objectives is to utilize the information gathered to estimate data assets' value leveraging the FAME marketplace for pricing and trading. The pilot consisting of 5 compressor machines focuses on two main use cases.



UC1 involves the quality assessment and pricing of industrial data assets, including raw sensor datasets, pre-processed datasets, and predictive models. This assessment includes auditing the assets against various characteristics, assigning quality

scores, and establishing pricing schemes based on the assets' quality and the efforts invested in enhancing them.

UC2 centers on data analysis and the production of value-added assets using FAME tools. The project utilizes analytics tools, such as explainable artificial intelligence (XAI) and energy-efficient analytics, to develop new machine learning models on top of existing data. These new assets will then be available in the marketplace as trusted and energy-efficient assets, allowing for pricing, trading, and comparison to showcase their value in terms of trustworthiness and energy efficiency. Overall, the pilot aims to provide MOH with crucial insights for informed decision-making regarding data management and monetization strategies.