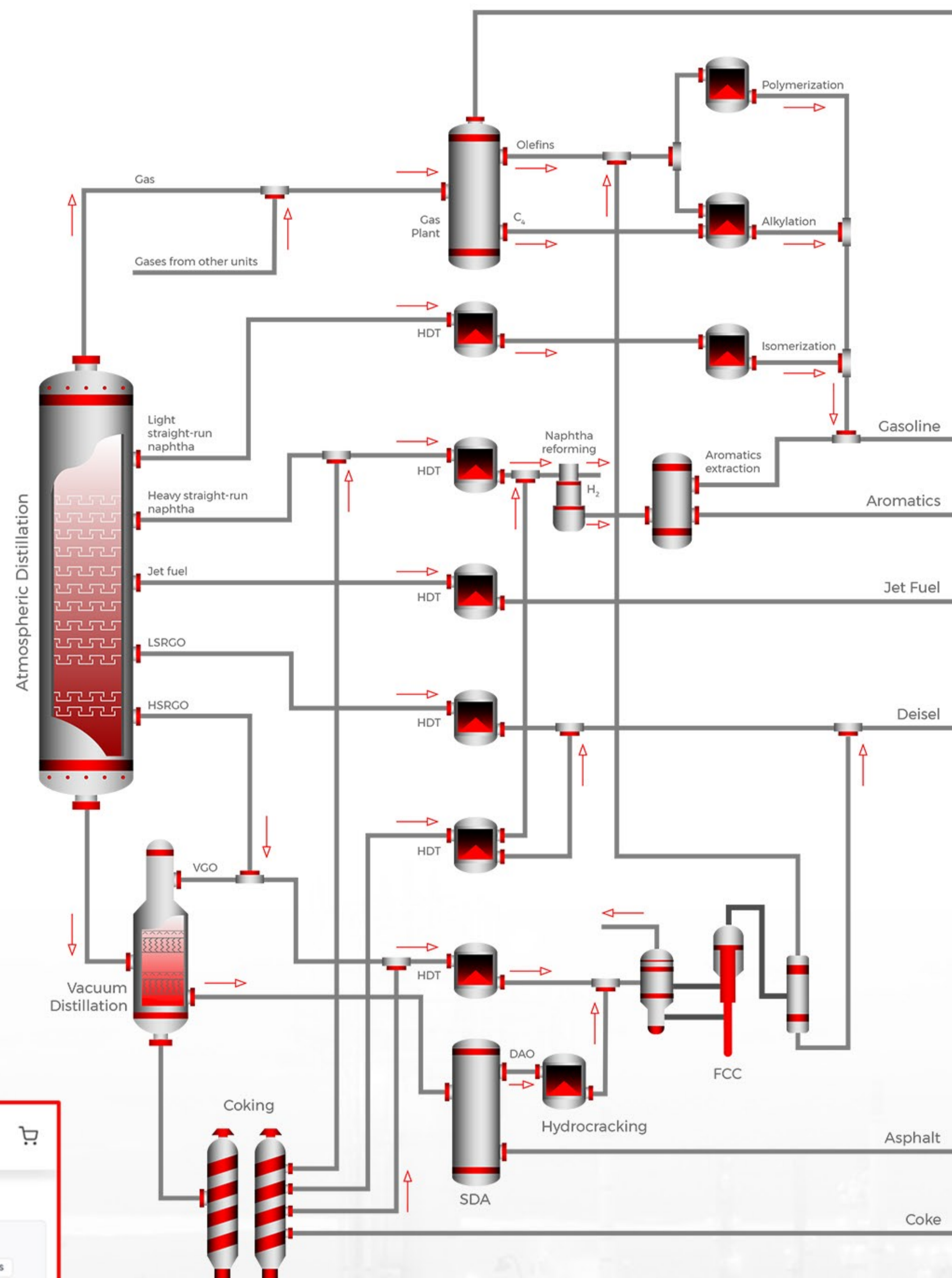# MEET REFINERY CALC

we are your refinery, petrochemical, industrial gas, bench marking, crude trading, power, natural gas and energy intelligence supplier. The **REFINERY CALCULATOR** is a cloud-based refinery optimization software package that enables users to create actionable intelligence for any refinery or refining region around the world.

The **REFINERY CALCULATOR ENGINE** has proprietary process yield correlations and configurations for nearly every complex refinery in the world. The tool is powerful, robust, reliable and fast! It performs thousands of calculations to maximize the profitability of a refinery within seconds. Make simple selections, toggle units on or off, change capacities, prices or even build your own custom refinery and obtain the information you desire. Further, our commercial proposal is simple: no upfront software license fees and yearly maintenance fees, no lengthy installations or training sessions, no special pc or mac requirements. All you need is an internet connection and a subscription package and actionable refinery intelligence can be generated within seconds.
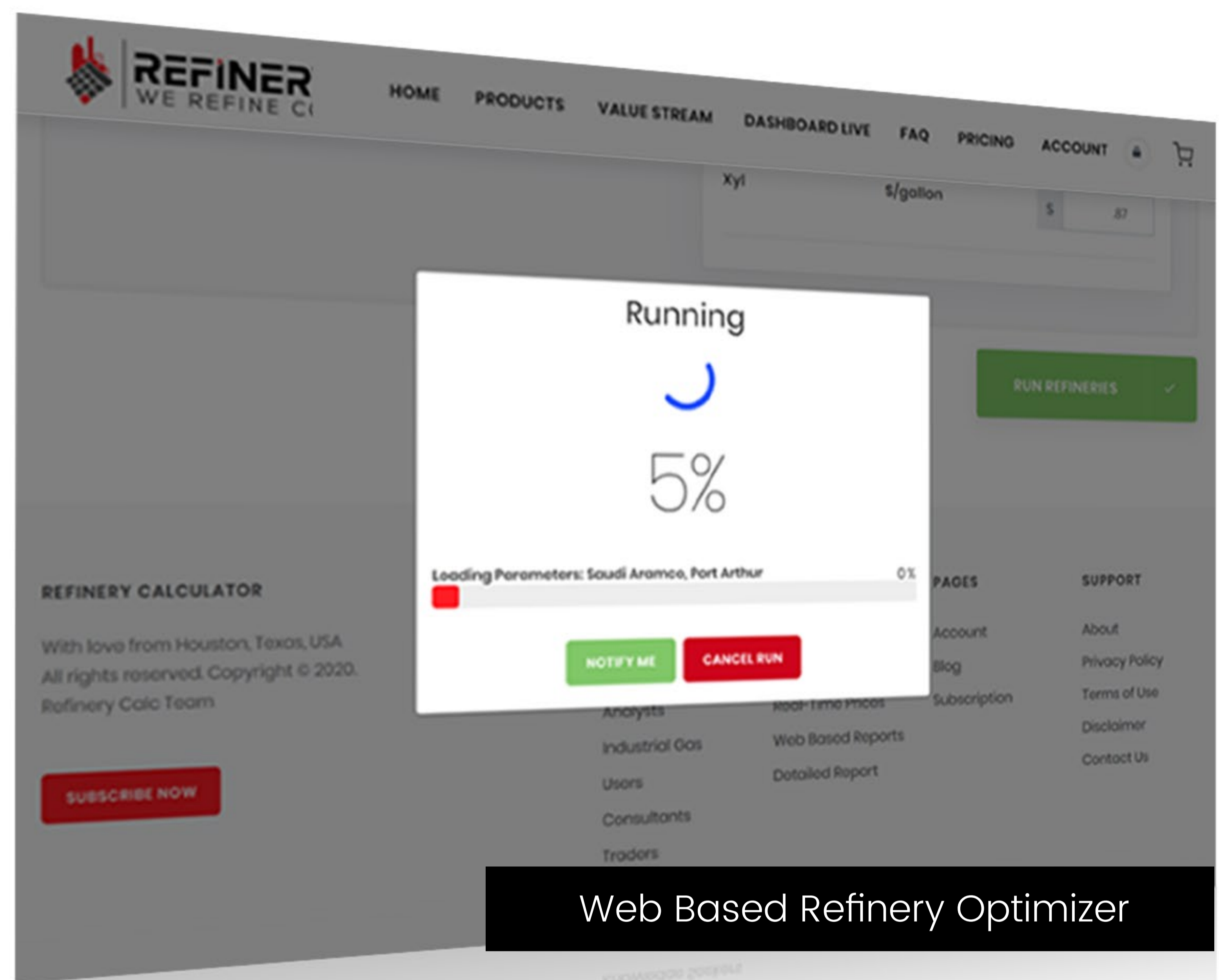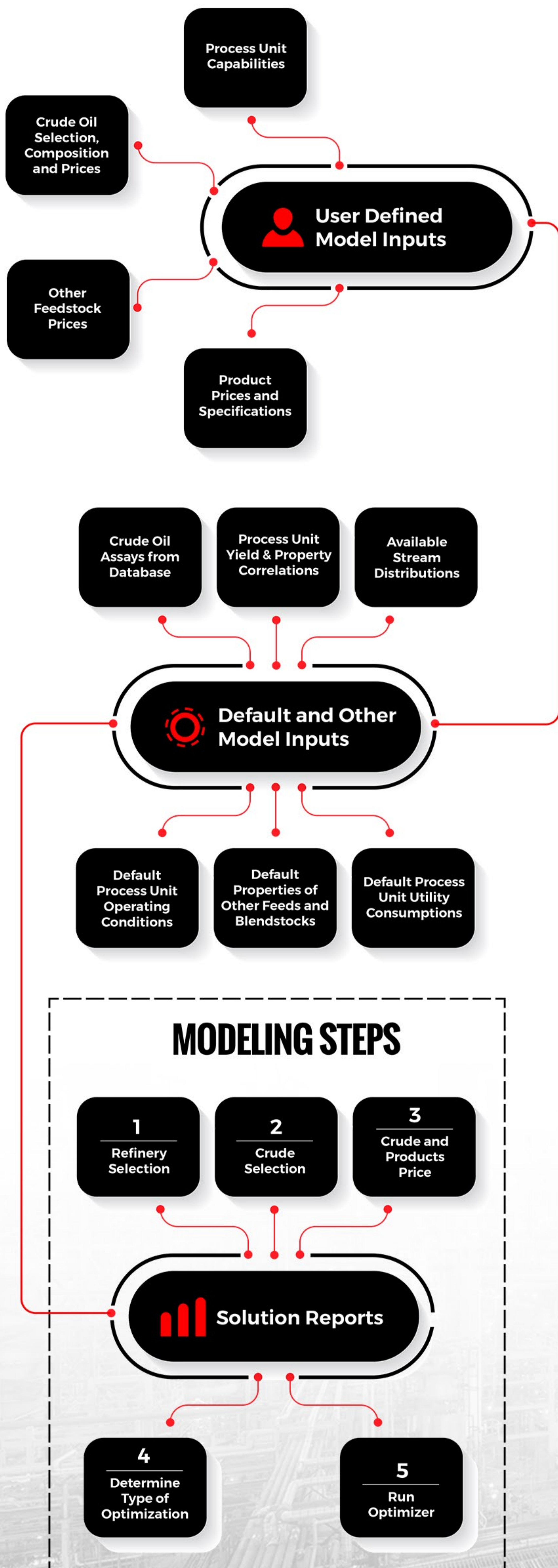
Web Inputs

Web Based Refinery Optimizer

User Defined Model Inputs
- Process Unit Capabilities
- Crude Oil Selection, Composition and Prices
- Other Feedstock Prices
- Product Prices and Specifications

Default and Other Model Inputs
- Crude Oil Assays from Database
- Process Unit Yield & Property Correlations
- Available Stream Distributions
- Default Process Unit Operating Conditions
- Default Properties of Other Feeds and Blendstocks
- Default Process Unit Utility Consumptions

MODELING STEPS

1 — Refinery Selection
2 — Crude Selection
3 — Crude and Products Price

Solution Reports

4 — Determine Type of Optimization
5 — Run Optimizer

Customized Actionable Intelligence Solutions

We can use the Refinery Calculator to create customized refinery market intelligence for your future sales plan, case study, feasibility study or analysis according to your specific needs. We can generate actionable intelligence at the regional level, country level, or global level. Partner with us to create actionable market intelligent solutions such as :

- ✔ Product Yields (gasoline, Jet, Kerosene, Diesel)
- ✔ Refinery Margins
- ✔ Refinery Utilization
- ✔ Forward Price Curves for Refined Products
- ✔ Price Elasticity Curves for Refined Products
- ✔ Prediction and Forecasting of Future Refined
- ✔ Product Prices
- ✔ Demand Side Economic Projections of
- ✔ Refined Products

REFINERY CALC REPORTS

Weekly US Refineries Profitability Report

This report provides users with the estimated profitability of all complex refineries in the US. The report is generated using the Refinery Calculator combined with current weekly crude and product prices and optimized for refinery margins ($/b).
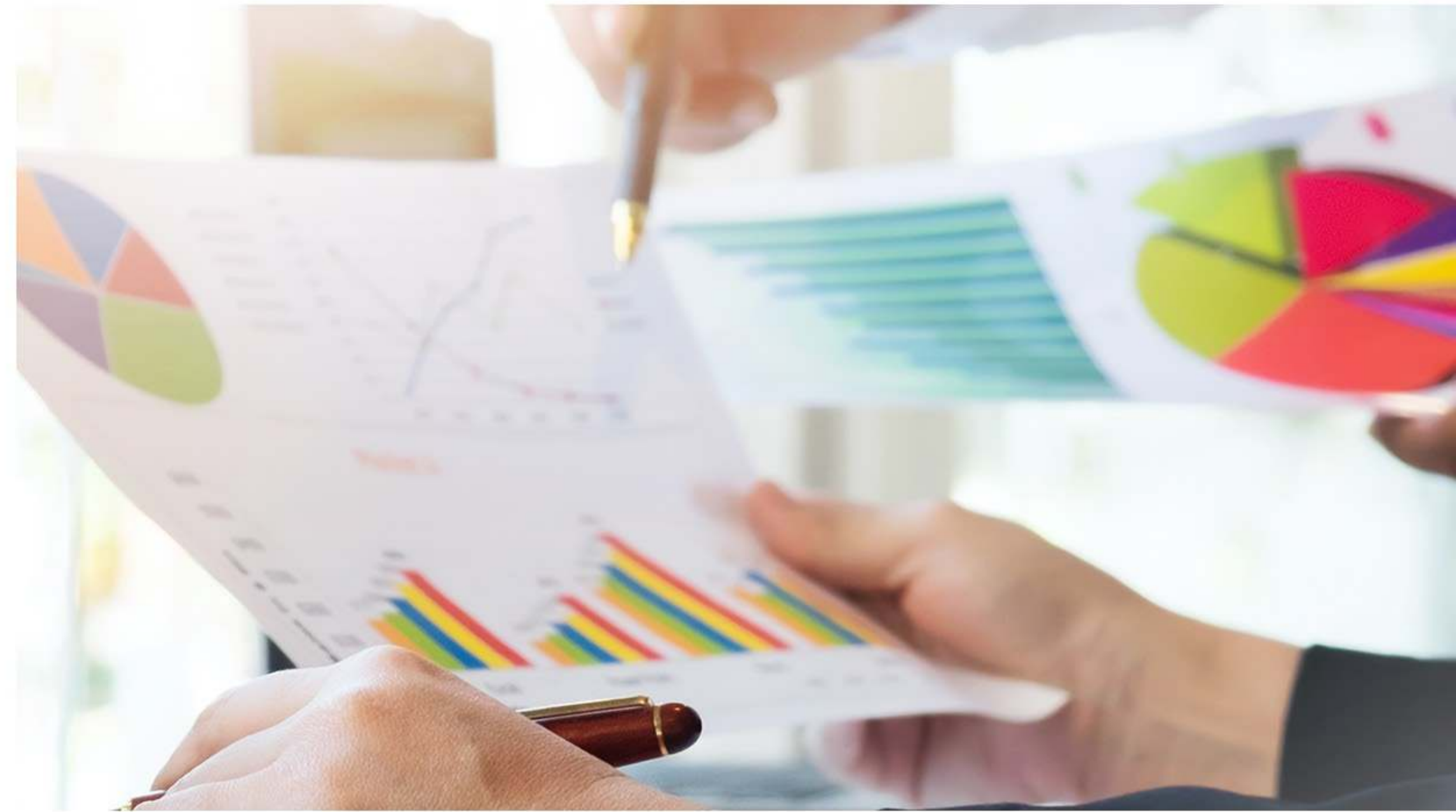
Weekly US Refineries Energy Report:

This report provides users with the estimated energy consumption of all complex refineries in the US. The report is generated using the Refinery Calculator based on fixed or optimized crude run rates.

Weekly US Refineries Sustainability Report:

This report provides users with the estimated water consumption, carbon dioxide emissions and sulfur production produced from all complex refineries in the US. The report is generated using the Refinery Calculator combined with current

North America Hydrogen Report:

This report provides users with the estimated hydrogen consumption by each major refinery processing unit, internal hydrogen production from the refineries hydrogen producing units, outside or "over the fence" hydrogen requirements, the economic value of "over the fence" supplied hydrogen and other related information. The report provides detailed hydrogen analysis for all complex refineries in the US.
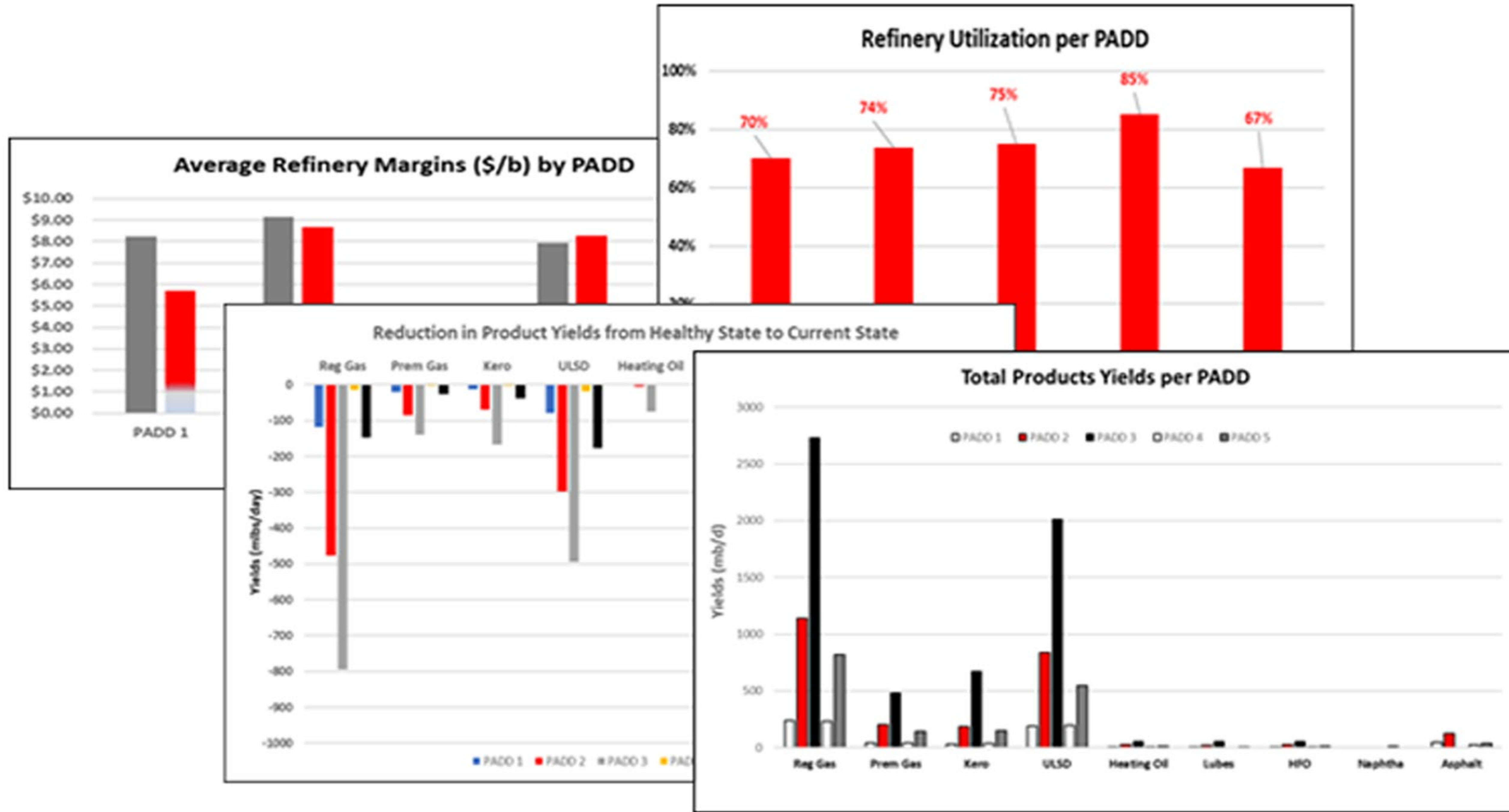
Weekly Global Refining Profitability and Energy Report:

This report provides users with the estimated profitability of all complex refineries in the world. This report will also provide users with rankings and projections of refineries at risk of shutting down or taking prolonged maintenance outages given the current economic conditions. The report is generated using the Refinery Calculator combined with current weekly crude and product prices.

REFINERY CALC SCREENSHOTS

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www.refinerycalc.com

Market Inteligence
Custom Solution
Energy Partner

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WE REFINE COMPLEXITY