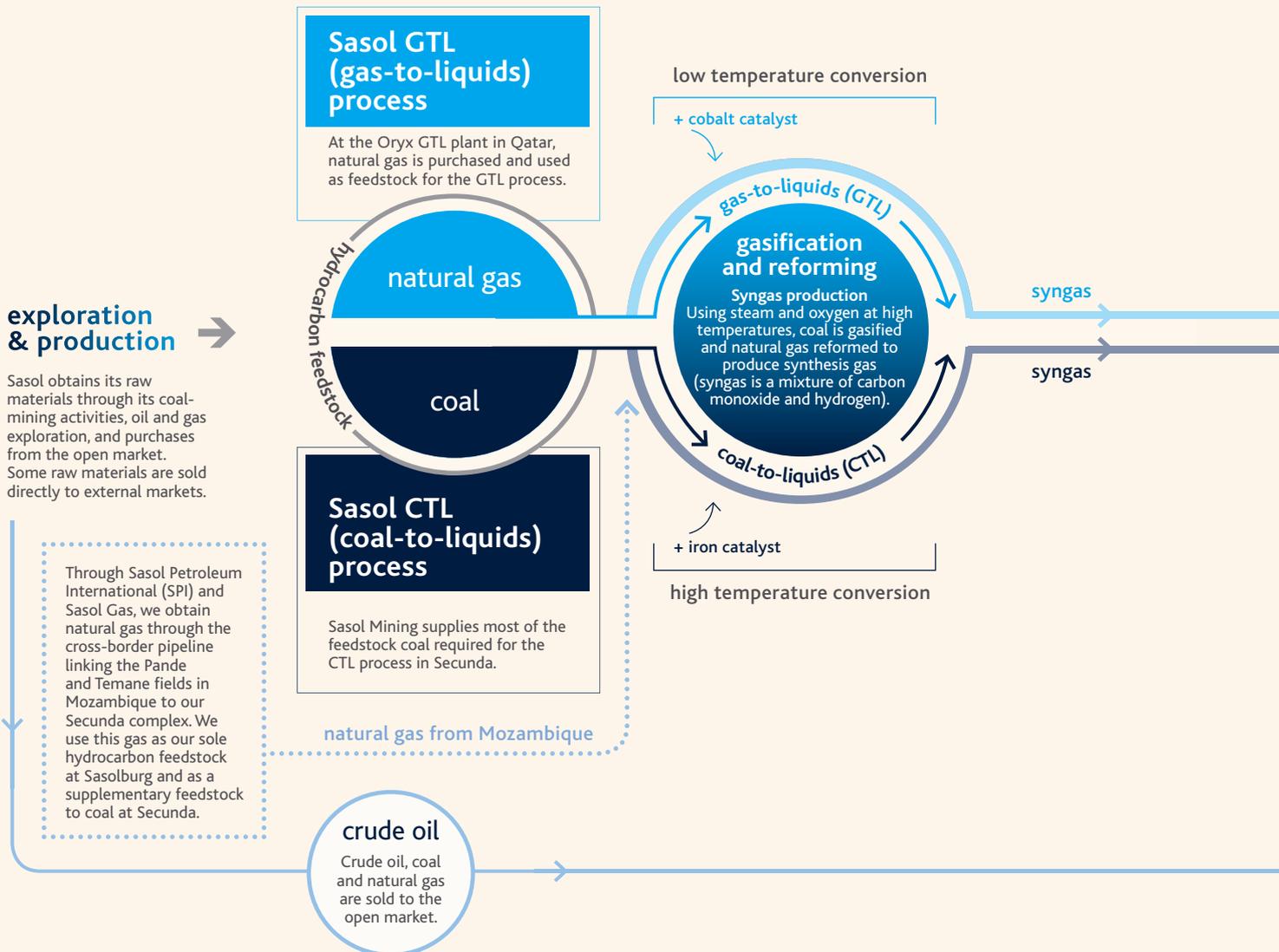


our integrated business model

Sasol's integrated business model is fundamental to our ability to create value using our proprietary technology and processes to produce liquid fuels and chemical products.



sustaining our integrated business model

Greenhouse gas (GHG) emissions

Coal is an important part of the world's energy mix, and Sasol will continue to produce transportation fuels from coal and gas. We are committed to substantially reducing our carbon emissions by developing more efficient production processes and investigating carbon capture and storage solutions. We have set several targets to reduce our greenhouse gas emissions intensity by 15% (on the 2005 baseline) in all our operations by 2020. The targets we have set for all our operations reflect not only our desire to be a responsible company, but also our awareness that a strong business case exists for sustainable development.

Water

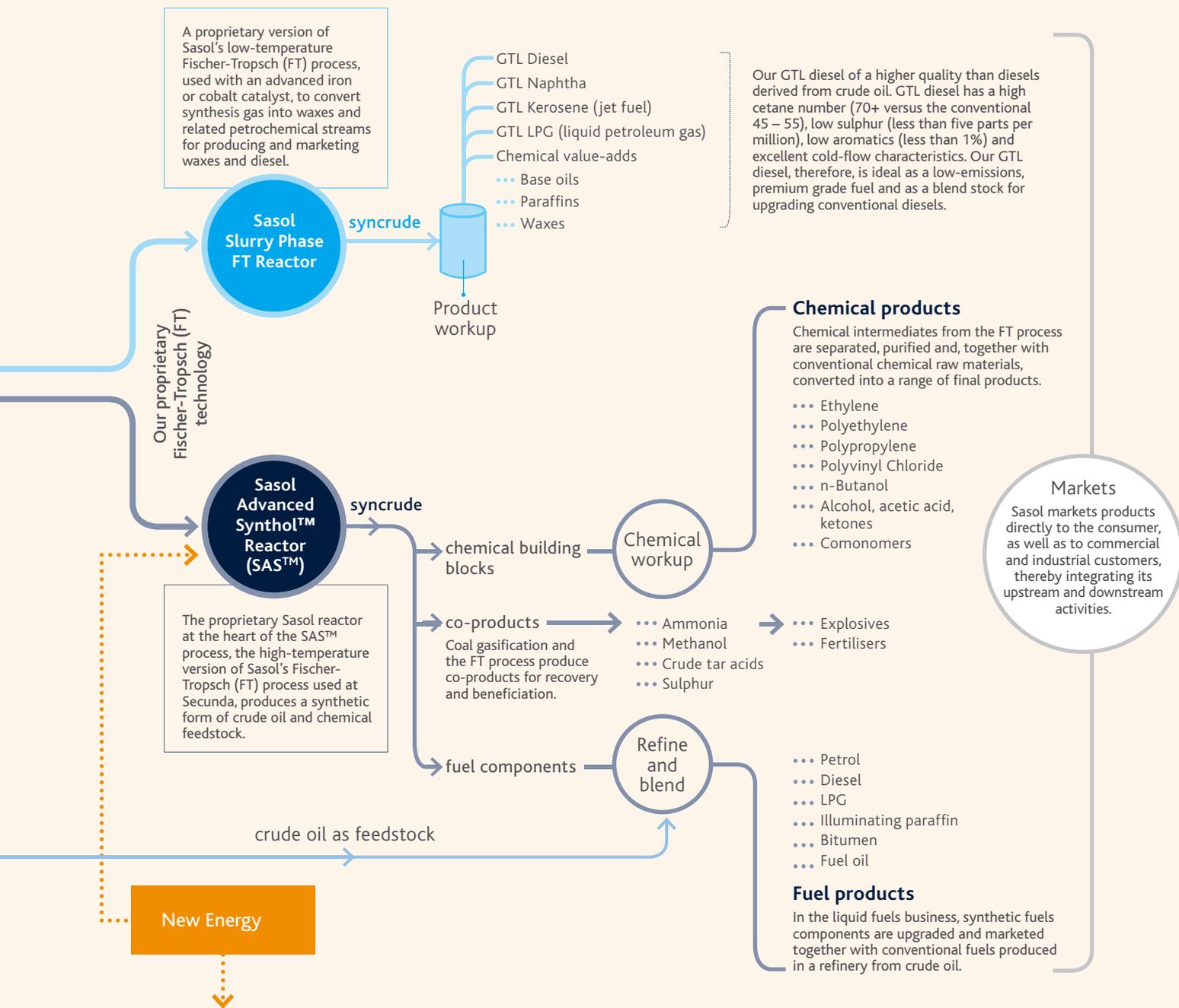
Various technological advancements in effluent recycling, cooling, pre-treatment of water for steam generation and solids handling are paving the way for significantly improved zero liquid effluent discharge designs, which are being developed irrespective of water availability or pricing.

Corporate governance

Sound corporate governance structures and processes are applied at Sasol and are considered by the board to be pivotal to delivering on sustainable growth in the interest of all stakeholders.



Refer to our key performance indicators for more details on our performance against targets and page 78 for details on our energy efficiency initiatives.



A proprietary version of Sasol's low-temperature Fischer-Tropsch (FT) process, used with an advanced iron or cobalt catalyst, to convert synthesis gas into waxes and related petrochemical streams for producing and marketing waxes and diesel.

Our GTL diesel is of a higher quality than diesels derived from crude oil. GTL diesel has a high cetane number (70+ versus the conventional 45 – 55), low sulphur (less than five parts per million), low aromatics (less than 1%) and excellent cold-flow characteristics. Our GTL diesel, therefore, is ideal as a low-emissions, premium grade fuel and as a blend stock for upgrading conventional diesels.

Our proprietary Fischer-Tropsch (FT) technology

The proprietary Sasol reactor at the heart of the SAS™ process, the high-temperature version of Sasol's Fischer-Tropsch (FT) process used at Secunda, produces a synthetic form of crude oil and chemical feedstock.

New Energy

New Energy

Sasol New Energy (SNE) was created to focus on new technologies that can be integrated with our core technologies to reduce our GHG footprint. As part of our commitment to reduce production of carbon dioxide in our operations and integrate new technology into our FT processes, SNE will look into renewable and lower-carbon energy options such as solar, biofuels and biomass, as well as nuclear, hydro and natural gas.

Innovation

In downstream chemical process technology, we have developed several proprietary processes for recovering and processing a range of solvents, waxes and phenolics for the world market. We have also developed and patented several base-metal catalysts for our FT synthesis processes. We have been innovative in coal exploration and mining, where Sasol Mining (sometimes in partnership with technology suppliers) has developed high-extraction mining methods, advanced directional drilling techniques, roof-bolting systems, continuous miner systems and a virtual-reality training system for continuous miner operators, among other cost-saving innovations.

Research

Besides the research and development and new-product formulation and testing work we do at Sasolburg through Sasol Technology's fuel research group, we conduct further fundamental research at the Sasol Advanced Fuels Laboratory (SAFL), in collaboration with the University of Cape Town, and the Sasol Fuels Application Centre (SFAC). SFAC enables us to conduct sea-level engine and fuel research and tests in line with international trends.