

Increase profitability and reduce flaring using an affordable gas to liquids (GTL) solution.



Did you know that you can make

return on capital of 30% +

on an affordable gas to liquid
(GTL) solution while reducing
gas flaring costs and



**improving the environmental
impact by up to 85%**





Volume of flared and vented gas

5 trillion
SCF annually



Flaring could cost oil & gas companies

\$7.8 billion
in annual penalties

Current situation and challenges

'Zero Routine Flaring by 2030' (ZFR), ever tightening regulation, flare gas penalties of circa \$7.8 billion per annum, a massive shift in governmental and public opinion requires a raft of old and new technologies to navigate this aggressive landscape of transformation.

In particular commercialising small scale and stranded gas via gas to liquid plants (GTL) has until now been overly expensive with long capital payback periods and low returns on capital employed.

World Bank (ZRF) initiative has stimulated cooperation between governments, oil & gas companies and other stakeholders to restore the environmental damage of 400 million tons of CO2 equivalent released into the atmosphere of local communities around the world annually.

Oil and gas producers face demands to:

- Commercialise gas waste into an energy resource to support economic growth
 - Reduce CO² emissions and curb carbon emissions
 - Restore the health and environment of people living in effected communities
- or
- Pay \$ billions in penalties per year



In Nigeria alone...

247 billion SCF

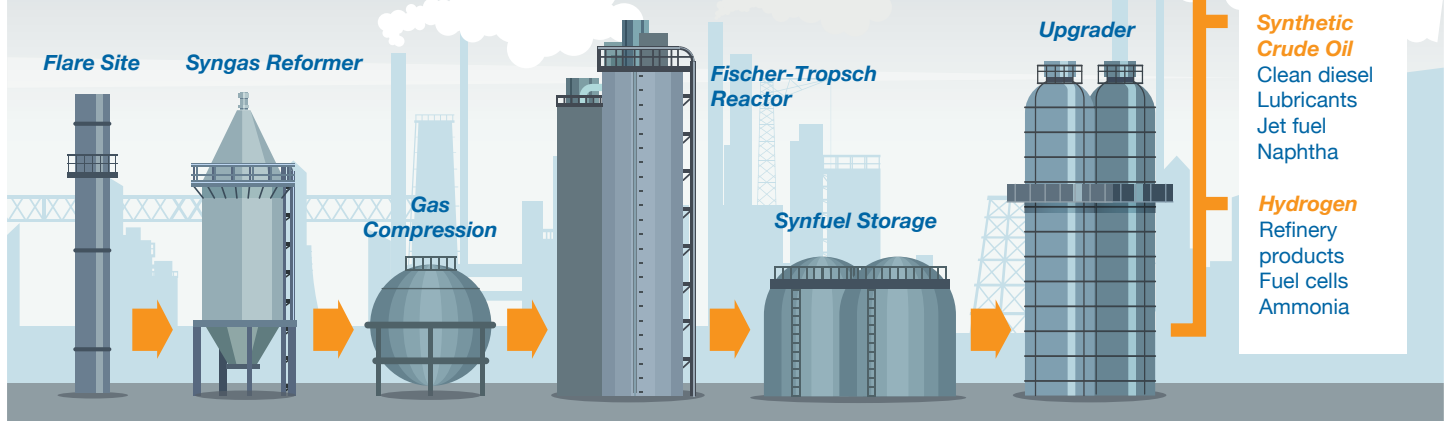
are still burnt annually as a result of flaring across 180 flare sites in the country. This volume could represent

\$500 million

in potential penalties to Nigerian operators.

ScanTech Gas to Liquid solution

With the cooperation of some of the biggest names in the gas to liquid (GTL) field of excellence we have gained access to the most advanced, efficient field tested and proven components (Syngas Reformers and Fischer-Tropsch Reactors) to engineer a profitable solution converting associated petroleum gas (APG) into Zero Sulphur Diesel, Synthetic Oils, Wax and diluent. With a modular design and small footprint, the solution can be deployed worldwide.



Some key aspects and benefits of ScanTech's Gas to Liquid solution:

- Small scale (1 to 5mmscf/d) and multiples
- Convert flared gas to synfuel (100 to 500 bbls/d) and multiples
- Small footprint self-contained generating its own power and utilities
- Modular design ISO style 40' x 8' skids and frames
- Improve CO₂ emissions reduction by 85%
- 20 Year design life
- Return on capital employed 30% plus
- Payback under 5 years

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