# PATHWAYS TO DIFOSSILIZATION AND INTERNATIONAL MARKETS FOR POWER TO SOMETHING

Regulatory Framework Needs from an Oil and Gas Major

# OUR INTEGRATED BUSINESS MODEL

## EXPLORE AND PRODUCE

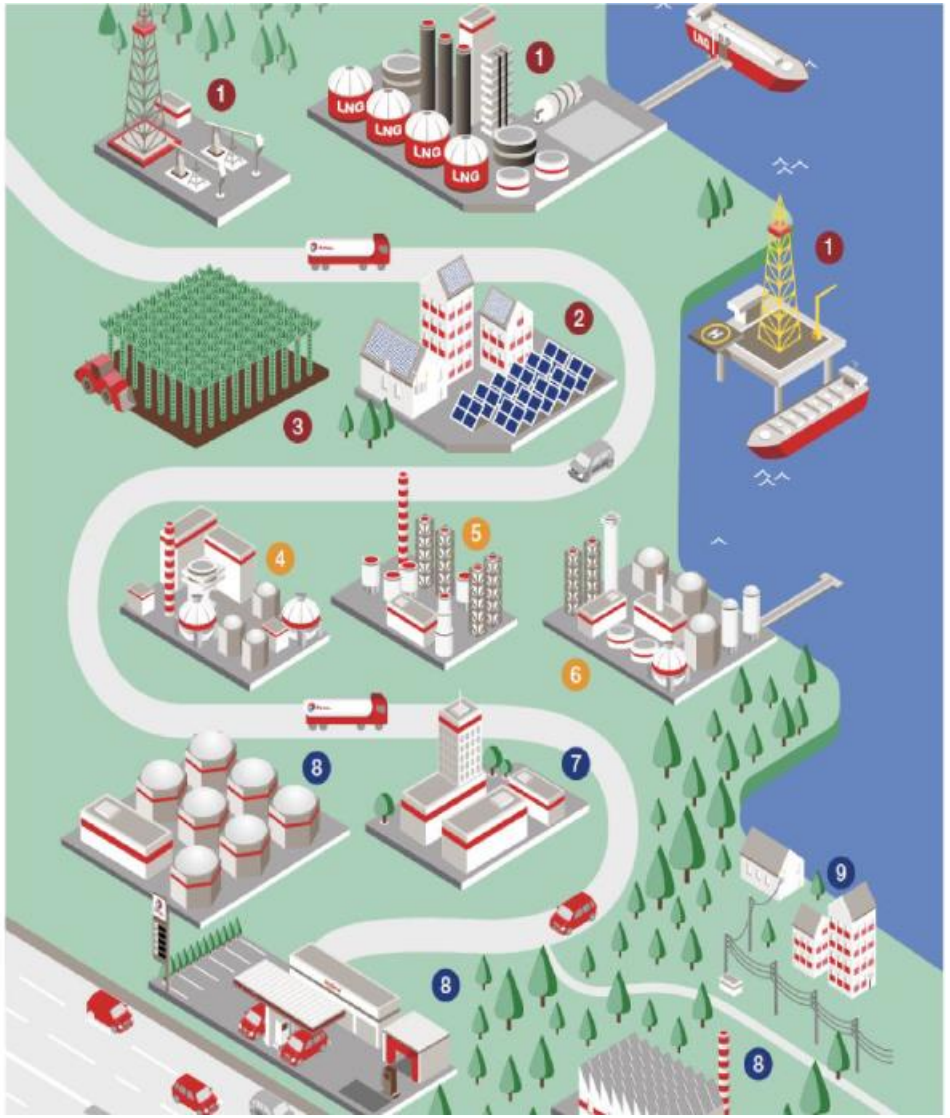
1. OIL AND GAS
2. SOLAR
3. BIOMASS

## PROCESS AND MONETIZE

4. SPECIALTY CHEMICALS
5. POLYMERS
6. REFINING & PETROCHEMICALS

## TRANSPORT AND MARKET

7. TRADING & SHIPPING
8. PRODUCTS & SERVICES
9. GAS AND POWER MARKETING



# OUR KEY INDICATORS IN 2017






# TWO THESIS ON AN NET-ZERO-EMITTING SOCIETY

| | |
|---|---|
| An all-electric-transport doesn't work | Some transports can‘t be electrified mid term |
| | Shot term possibilities may not have an effect in existing car park’s emission |
| Need a mix of energy carrier with lowest possible emission | Not emissions in 2050 count but those until 2050 |
| | Bio based fuel components are low emitting once |
| | Synthetic fuel components can achieve net zero emission |

# NEEDS IN REGULATORY FRAMEWORK

| | |
|---|---|
| Refiner‘s view | Co-processing of not crude based streams has to be enabled in perpetuity and technologically unlimited |
| | No feedstock limitation in low fossil fuel production |
| | Enable electricity via grid |
| | Simple and traceable reporting system |
| | Credit all pathways against the GHG-abatement obligation |
| | Not tighten EU-regulations |
| | Uniform EU-wide regulation |