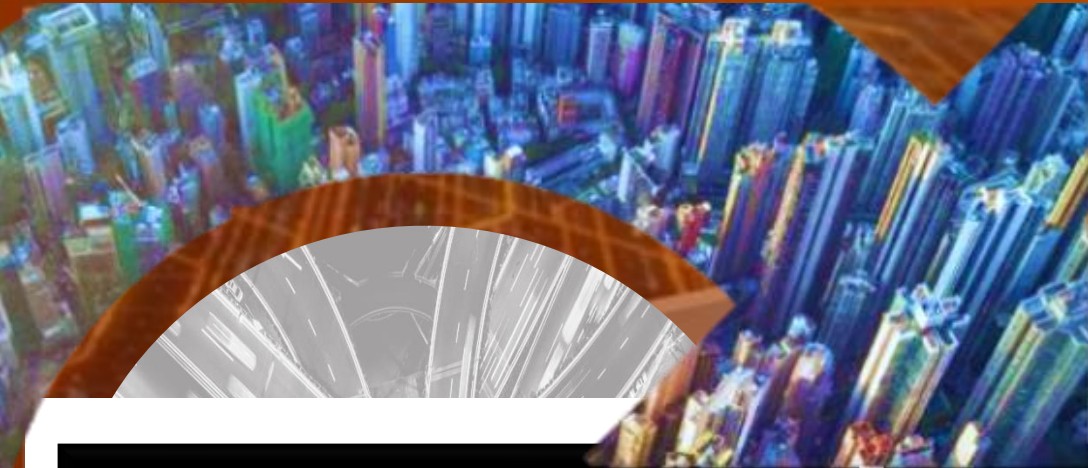


SUNRISE ABOVE THE CLOUDS

OIL DEMAND





 **RESET & RECOVER**

LEARN TO SURVIVE

**SUNRISE ON
A CLOUDY DAY**



RESET & RECOVER

LEARN TO SURVIVE

**SUNRISE ON
A CLOUDY DAY**

THE IMPACT OF LOCKDOWN

PRE-COVID



LOCKDOWN



POST-LOCKDOWN LIFE



GLOBAL COVID-19 IMPACTS

EMPLOYMENT



- **255** MILLION FULL-TIME EMPLOYMENT JOB LOSSES

POVERTY



- **88-93** MILLION PEOPLE PLUNGED INTO POVERTY IN 2020, HIGHEST SINCE THE ASIAN CRISIS IN 1998

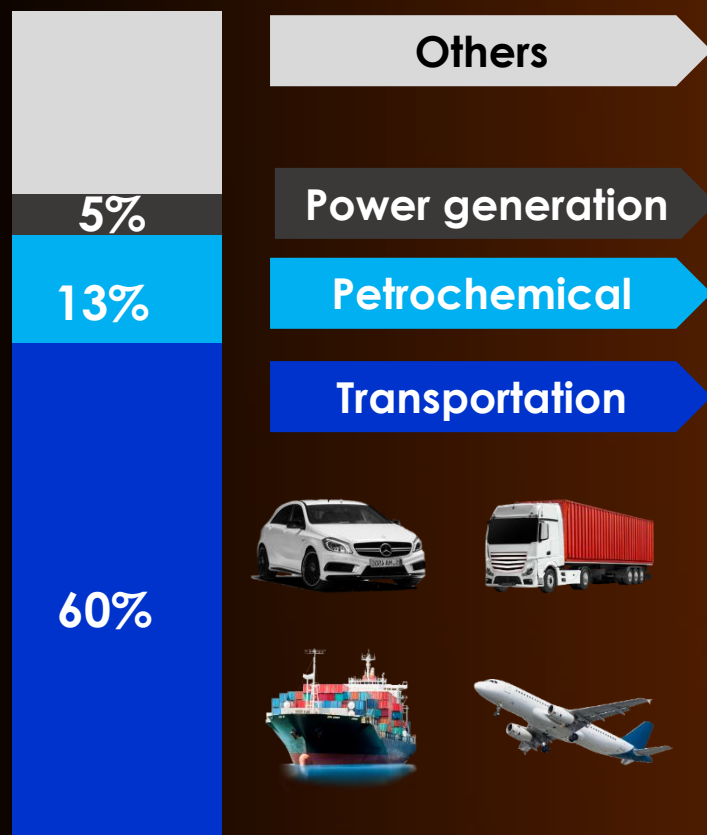
Note: Extreme poverty = income less than \$1.90 per day in 2011 prices

Source : World Bank

OIL DEMAND HAS RECOVERED?

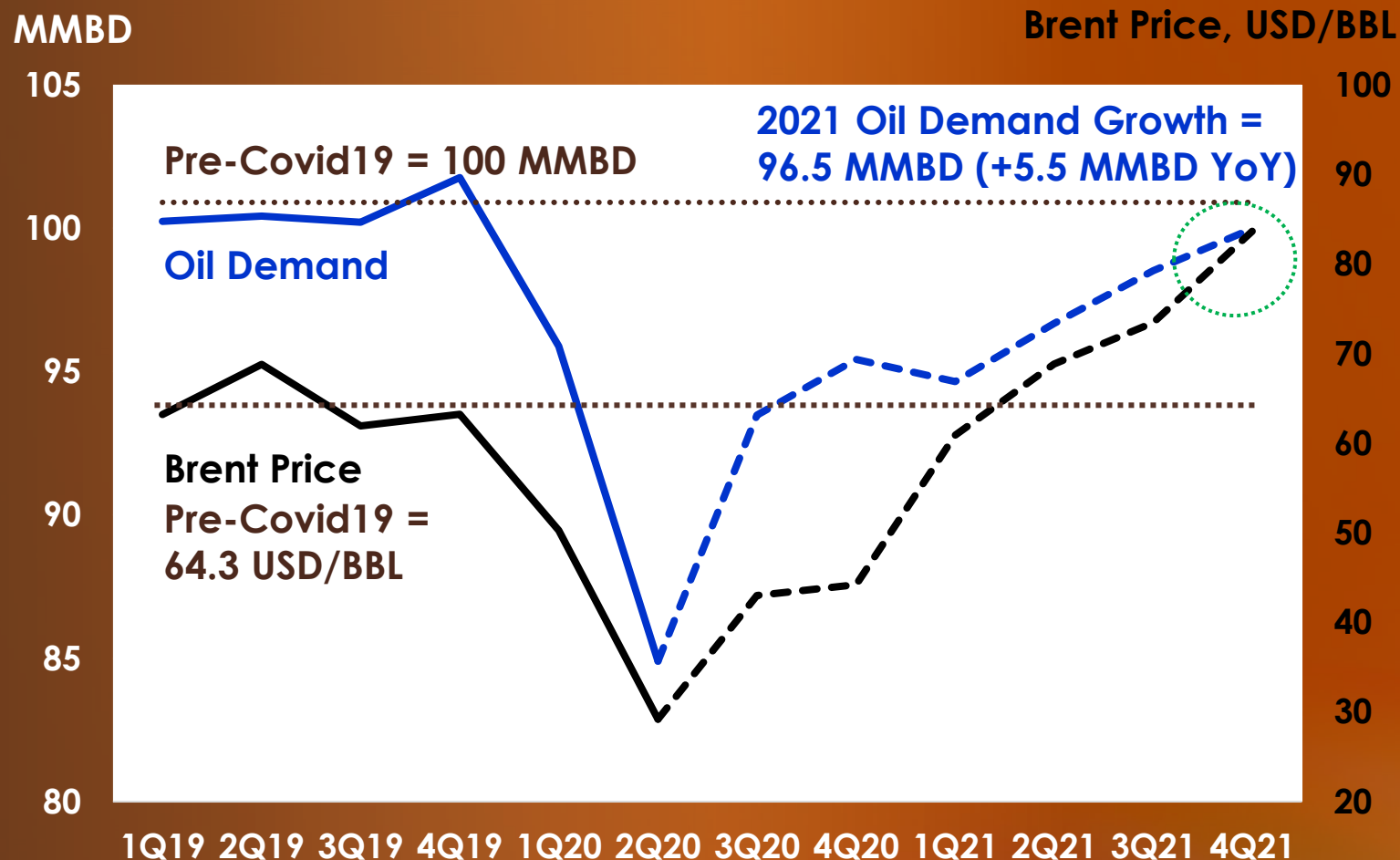
World activity and mobility gradually resume, recovery in fuel demand from the bottom continues

2021 OIL DEMAND BY SECTORS



Recovery Demand led by Transportation and Petrochemical Sectors

GLOBAL OIL DEMAND AND OIL PRICE



Source: S&P Global Platts, IEA, EIA, OPEC

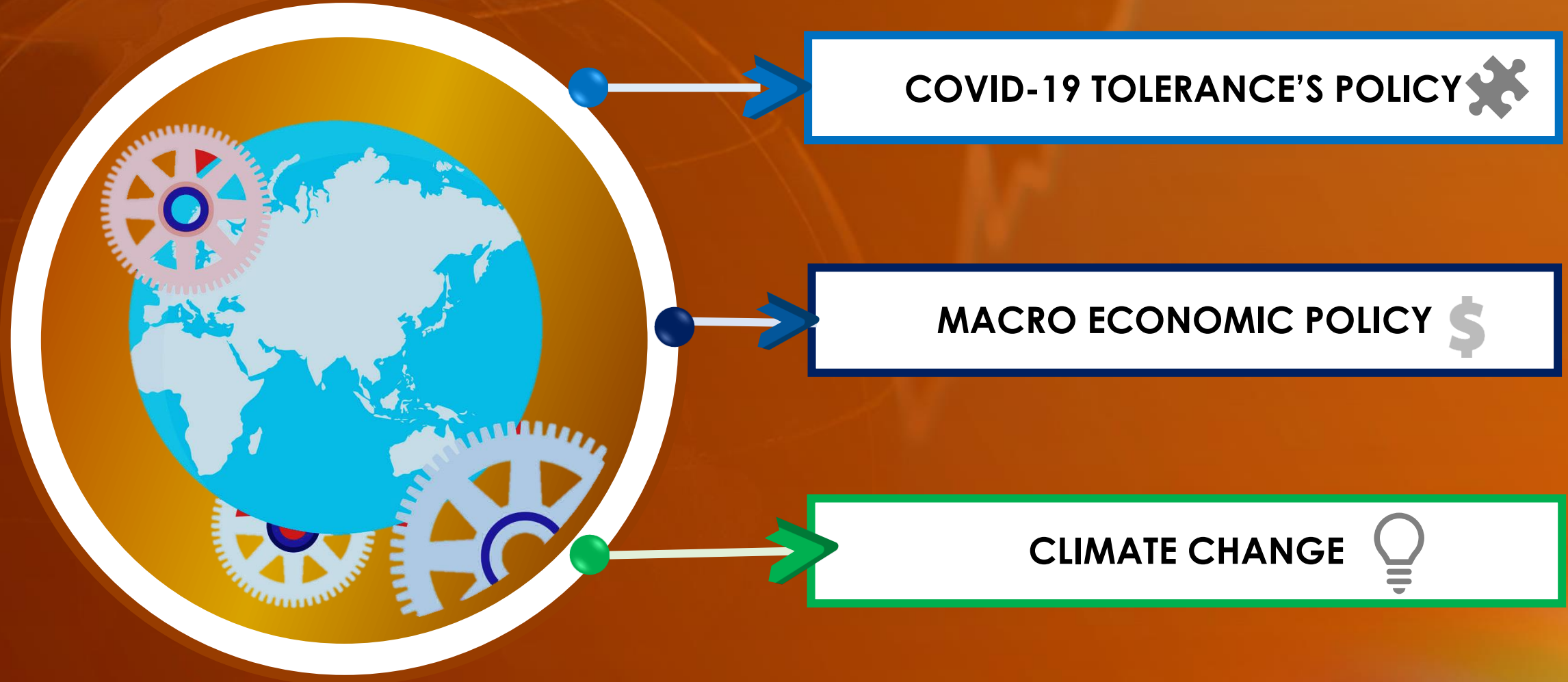
RESET & RECOVER



LEARN TO SURVIVE

SUNRISE ON
A CLOUDY DAY

KEY DRIVERS OF OIL DEMAND

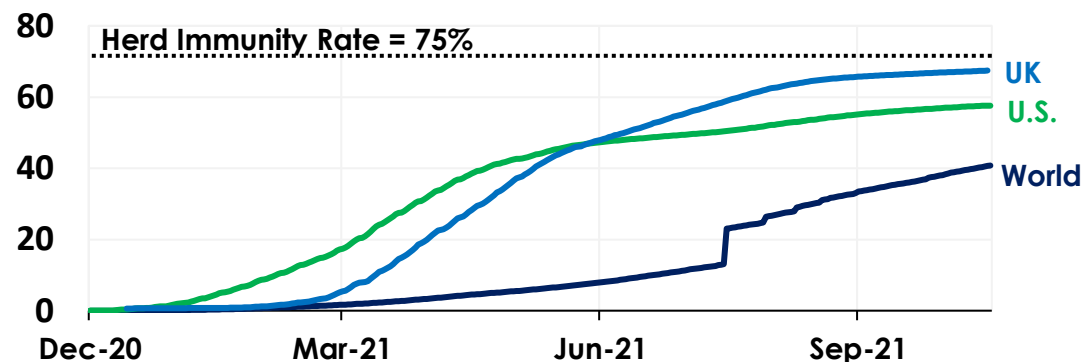


DRIVER 1: COVID-19 TOLERANCE'S POLICIES

Healthcare development

HIGH VACCINATION RATE BRING DOWN DEATH RATE

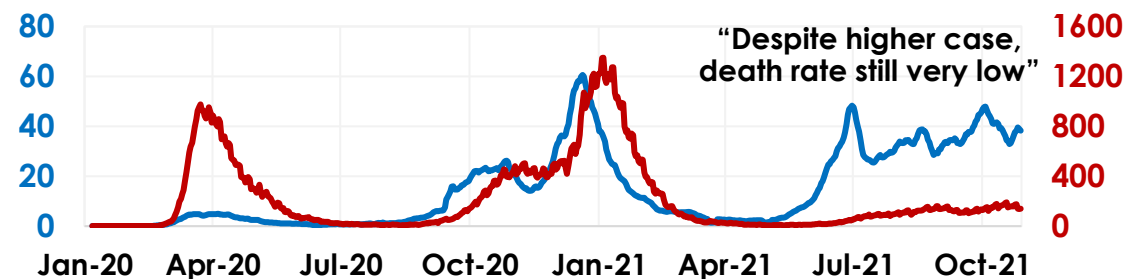
% Progress in vaccinations against COVID-19



UK COVID-19 Case and Death Rate

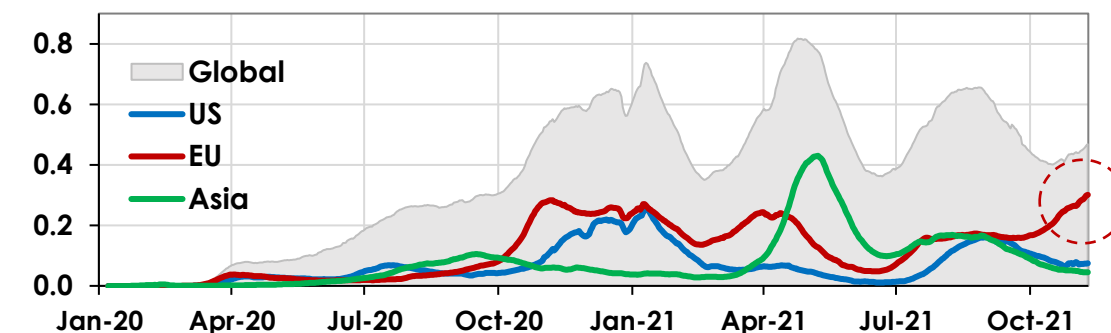
COVID-19 Thousand cases

COVID-19 Death Rate



Daily New COVID-19 Cases

Mil. cases



"European Covid cases surge, more rules for unvaccinated people and PARTIAL lockdowns instead"

FACTORS TO WATCH : COVID-19 PILLS



50%▼
Death Rate



89%▼
Death Rate



DRIVER 1: COVID-19 TOLERANCE'S POLICIES

COVID-19 TOLERANCE'S POLICIES



● LIVING WITH COVID-19

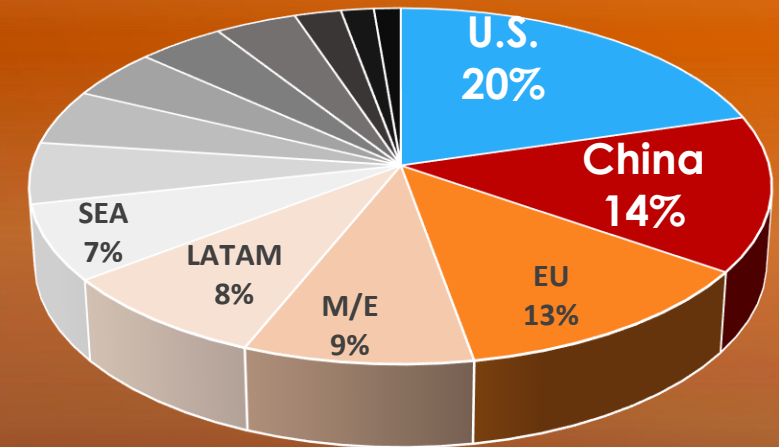
● ZERO COVID-19 STRATEGY

- China's vaccination rate = 77 %
- China not yet reopen country

OIL DEMAND BY COUNTRIES



CHINA IS THE 2ND TOP OIL DEMAND COUNTRY



DRIVER 1 : COVID-19 TOLERANCE'S POLICIES

Gradual reopening to raise flight movement

REOPEN COUNTRY DATE

UK

19 Jul' 2021



Thailand

1 Nov' 2021

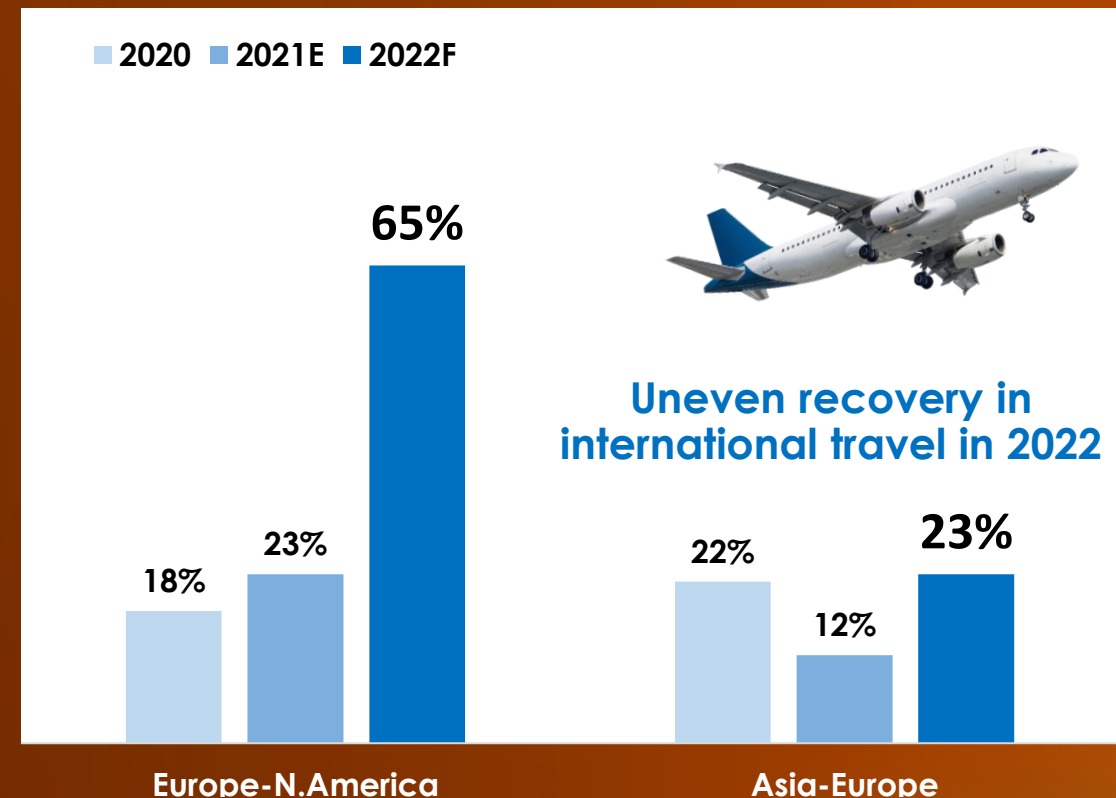


U.S.

8 Nov' 2021



MAIN INTERNATIONAL ROUTES (RPKs % OF 2019 LEVELS)

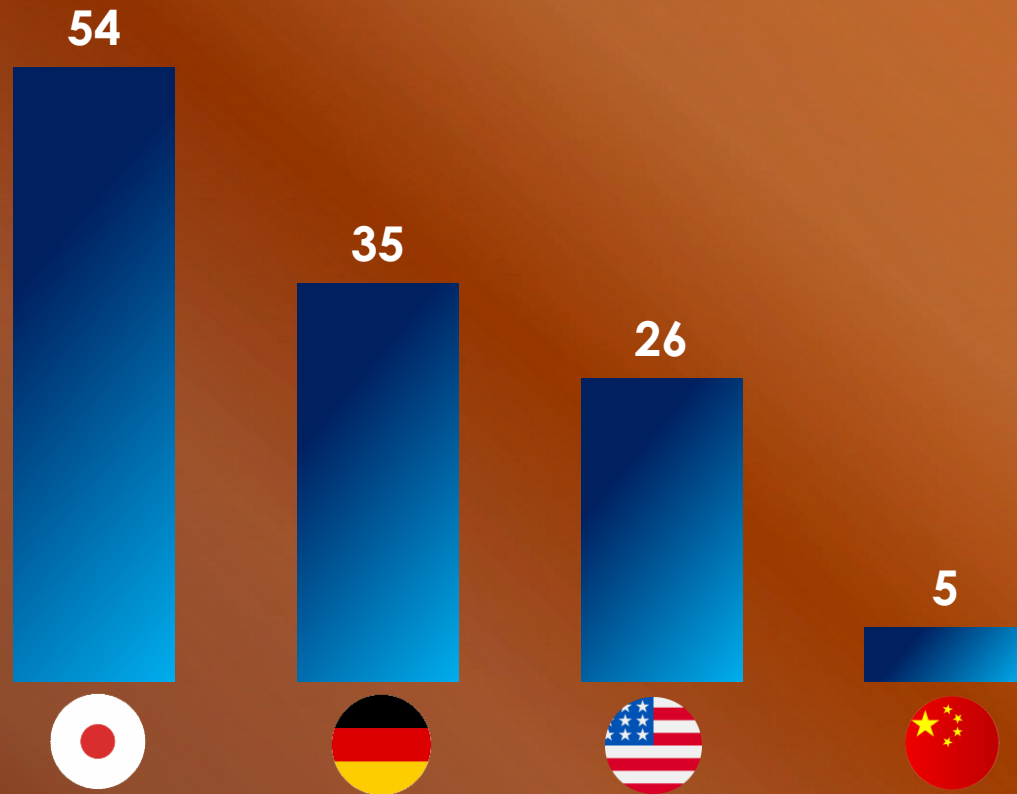


Note : RPKs (Revenue Passenger Kilometers)

DRIVER 2 : MACRO ECONOMIC POLICIES

Stimulus package as an economic growth driver

Stimulus package (% of GDP)



As of May 21

U.S. FISCAL PACKAGE



American Rescue Plan

\$1.9 Trillion : COVID-19 RELIEF MEASURES

Budget Plan

\$3.5 Trillion

- INFRASTRUCTURE BILLS
- LEGISLATION TO STRENGTHEN THE SOCIAL SAFETY

EU RECOVERY FUNDS

Next Generation EU 2021-2023

€806.9 billion : COVID-19 RELIEF MEASURES

JAPAN STIMULUS PACKAGE

Additional Economic Stimulus Package

\$488 Billion : HEALTHCARE SYSTEM IMPROVEMENT

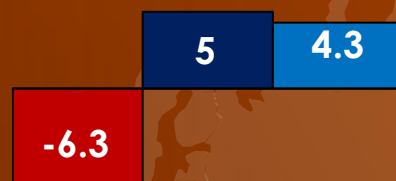


WORLD ECONOMY IS RETURNING TO PRE-PANDEMIC LEVEL

GDP GROWTH

2020 2021 2022

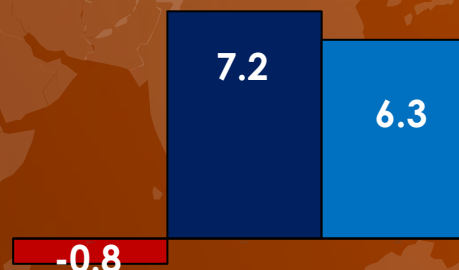
EURO AREA



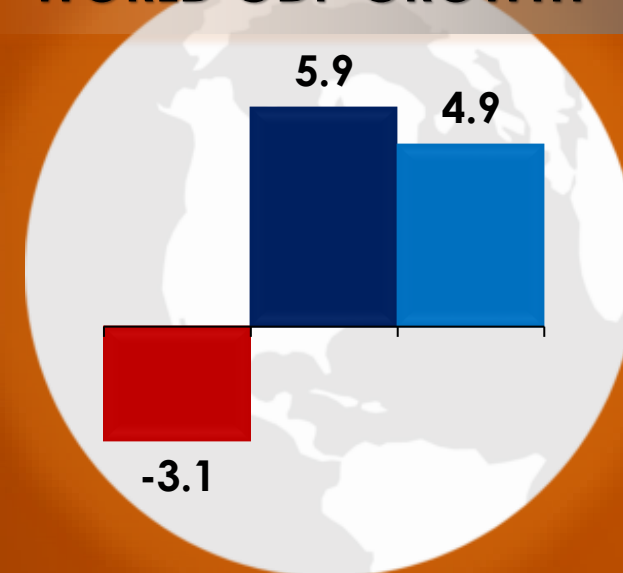
U.S.



EMERGING & DEVELOPING ASIA

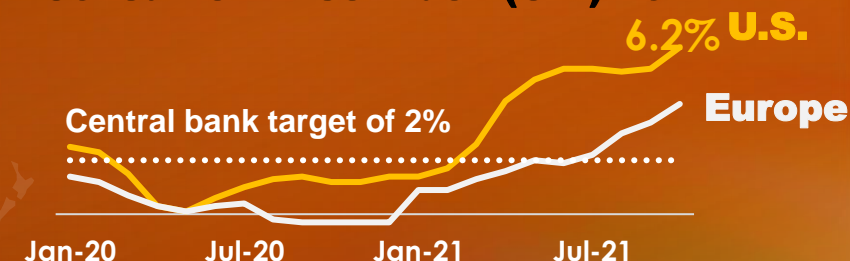


WORLD GDP GROWTH



Key Risk for Growth.....

Consumer Price Index (CPI) YoY



Near-Term Recovery Continues while the Pandemic Resurges

DRIVER 3 : CLIMATE CHANGE

Environmental concerns hiked extra energy demand

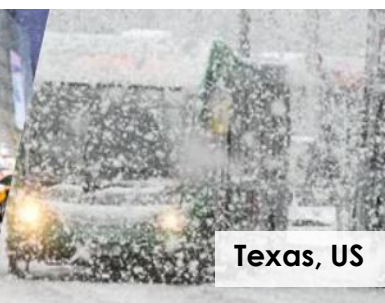
IMPACT OF CLIMATE CHANGE

Cold Snap



South Korea
Highest gas demand since 1997

Texas Freeze



Texas, US
Highest heating demand in 40 years

Drought



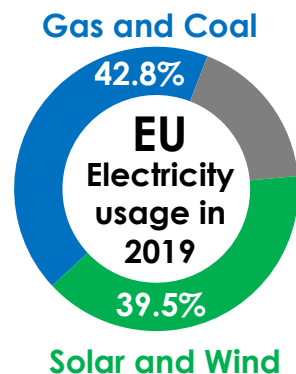
Brazil
Brazil's worst drought in over 90 years

ENERGY POLICY: EU'S RENEWABLE PLAN



INCREASE RENEWABLE ENERGY USAGE

- HIGH DEPENDENCE ON SOLAR AND WIND
- LOW WIND POWER GENERATION IN 2021



ENERGY POLICY: CHINA'S DUAL CONTROL



CARBON NEUTRAL BY 2060



CHINA'S ENERGY CONSUMPTION



- HIGH DEPENDENCE ON COAL
- LESS THAN 20% FROM RENEWABLE ENERGY

COAL: >60%



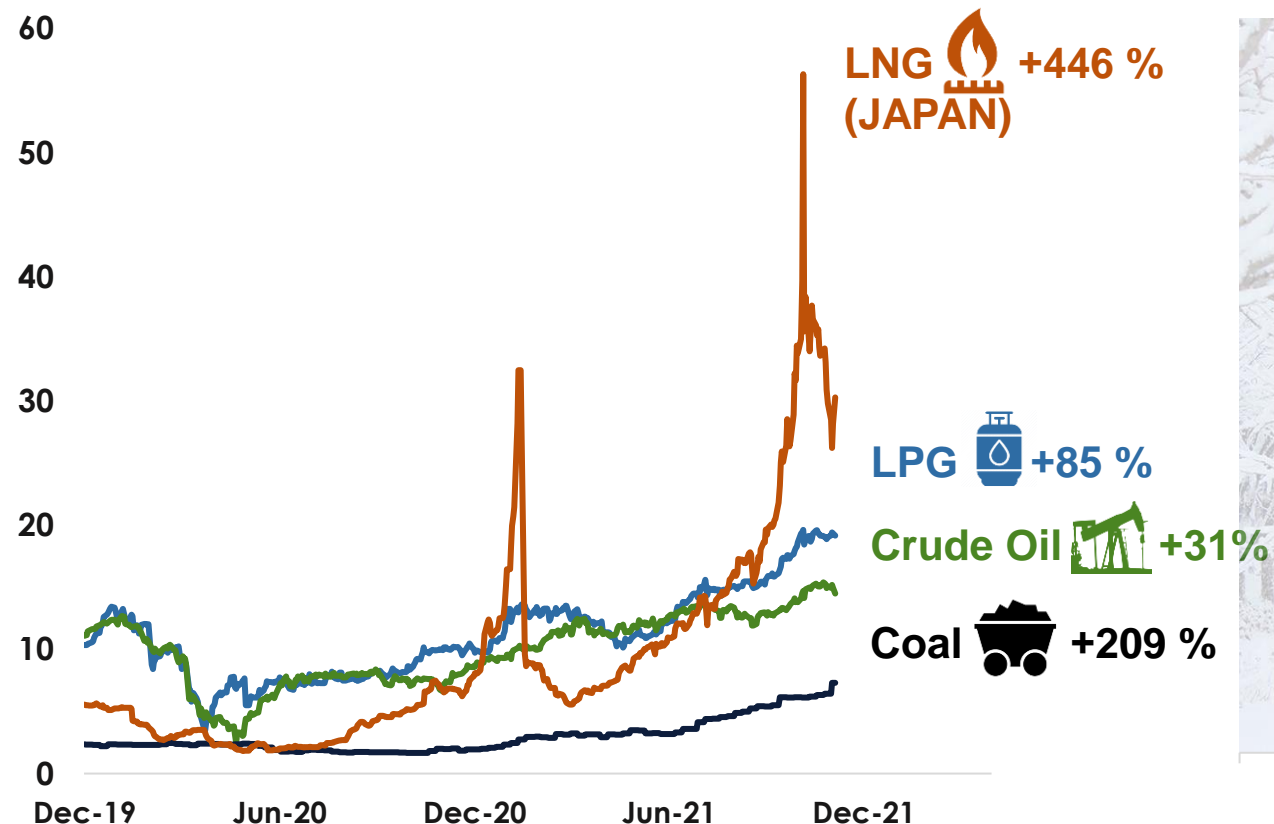
- LIMIT COAL USAGE
- LACK OF POWER ENERGY

DRIVER 3 : CLIMATE CHANGE

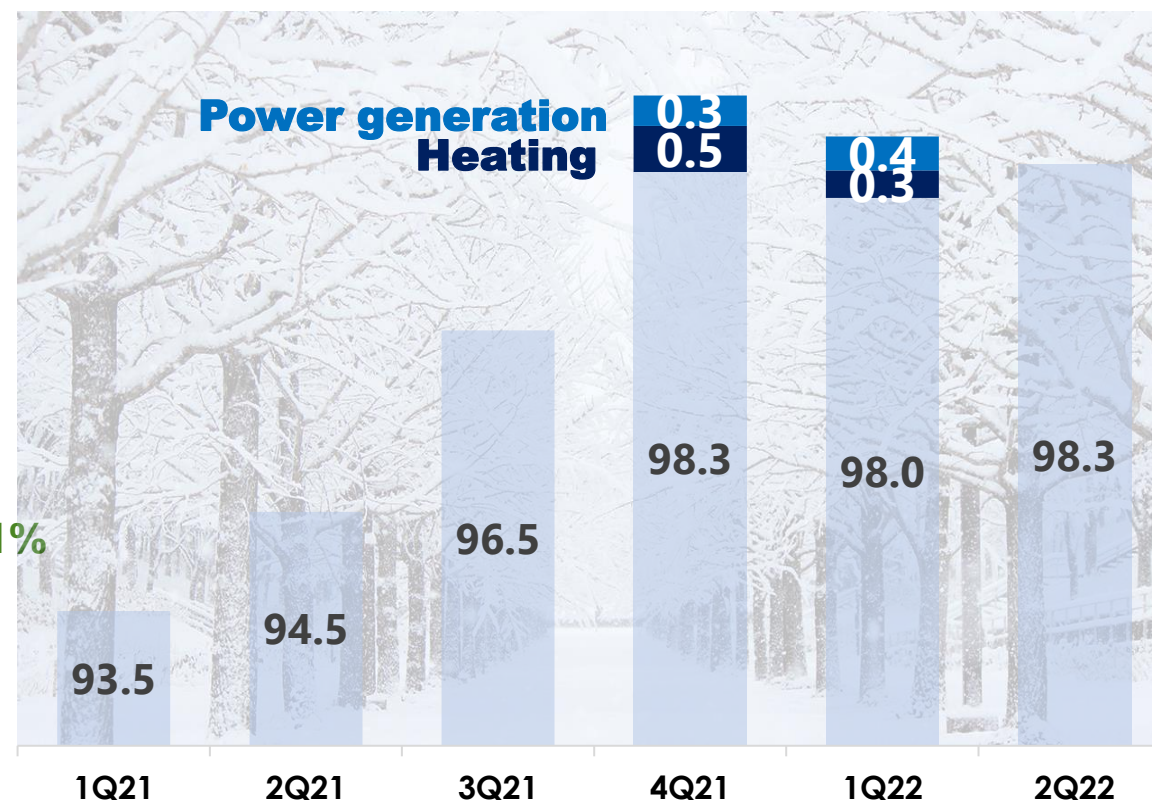
SHIFTING DEMAND FROM GAS TO OIL AROUND 0.5-0.8 MMBD DURING Q4'21 TO Q1'22

\$/MMBTU

Energy Prices



Global Oil Demand (Unit : MMBD)



AGENDA

An aerial photograph of a city at sunrise. The sun is low on the horizon, creating a bright orange glow and lens flare. A mountain is visible in the background. The city below is densely packed with buildings. The overall color palette is warm and orange.

OIL DEMAND:

SUNRISE ON A CLOUDY DAY

OIL DEMAND GROWTH



2022 GLOBAL OIL DEMAND GROWTH + 3 MMBD YoY
Strong GDP growth at 4.9% YoY



IMPROVED VACCINATION RATE & THERAPIES

INCREASING INTERNATIONAL TRAVEL & MOBILITY

EXTREME WEATHER HIKES ENERGY DEMAND

LIVING WITH THE COVID-19 PANDEMIC

KEY UNCERTAINTIES

UPSIDE

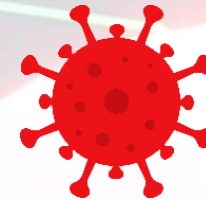


**Higher-than-expected
Pent Up Traveling Demand**



Breakthrough Covid-19 Cure

DOWNSIDE



**New Covid-19 Variants
& Lock Down**



**Unsustainable Economic
Recovery From High Inflation**

SUNRISE ABOVE THE CLOUDS OIL DEMAND

