

**3Q 2021**

***International CSRC Investment Holdings Co.***

***Investor's Conference***



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**01**

***Biotech Segment***



## Firmly Practicing the Humane



“This is not about a return on an investment! It’s about kids, kids with names, dreams, families that love them.”

– 《 Extraordinary Measures 》

**“Don’t hope for a miracle. Make one.”\***



**Hundreds of failures**

**Decade and a half of persistence**

**Millions of dollars investment unconditionally**

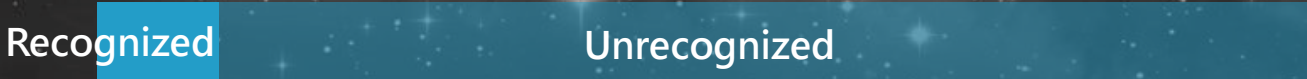
**Those save the life that was in the dark.**

# Impact on Royalty Revenue

 **Genzyme agreed to pay USD 180 million as a compromise of the amount in dispute.**

2019				2020				2021				2022				2023
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1

EU



US



Others



**02**

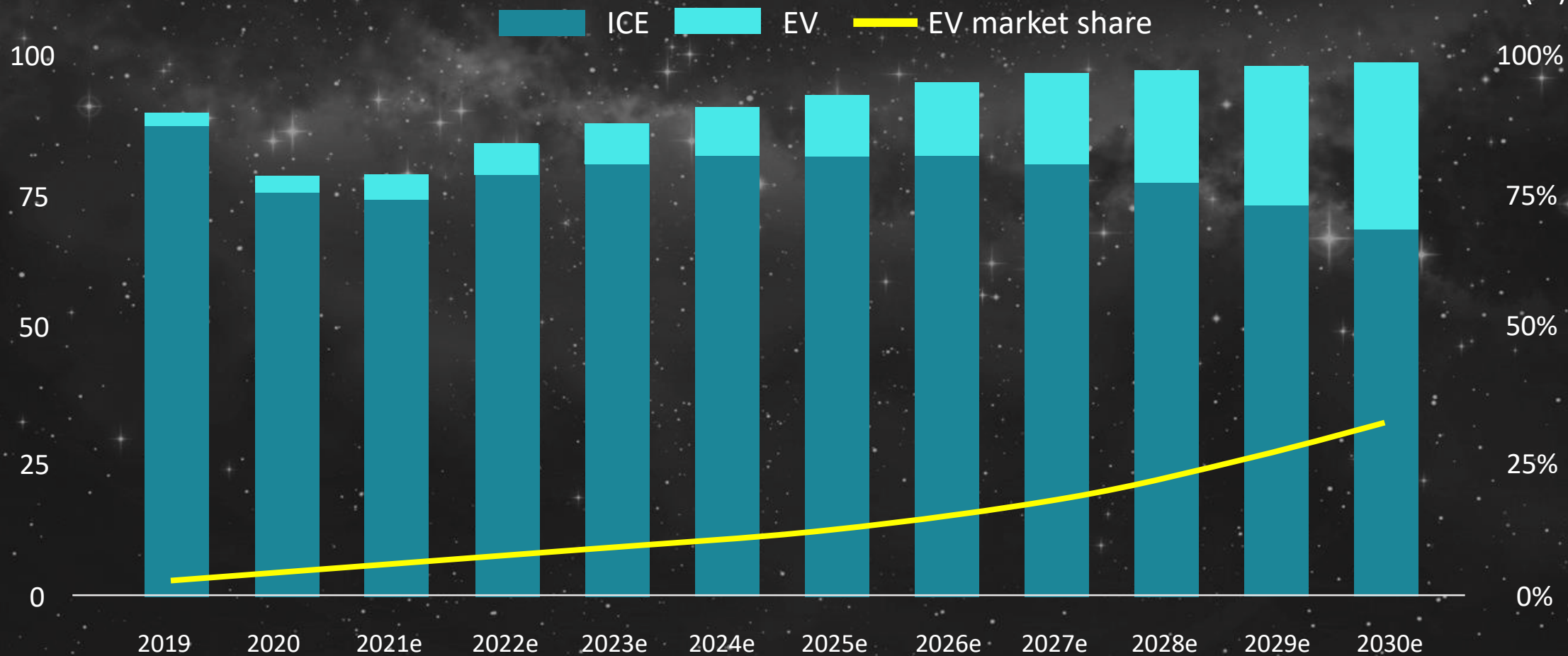
***Carbon Black Segment***



# World Auto Sales 2019-2030

Global passenger-car & light-duty vehicle sales  
(million units)

Global EV market share  
(%)





# EV Tire Requirement

	ICE	EV
Car length	465 cm	469 cm
Car width	180 cm	185 cm
Car height	140 cm	140 cm
Car weight	1,300 kg	<b>1,600-1,900 kg</b>
Torque	18 kgm	<b>40 kgm</b>

Source: U-Car



— ICE Tire  
— EV Tire

Low Rolling  
Resistance

Low Noise



High Wear  
Resistance

High  
Traction

# CSRC Carbon Black for EV Tires

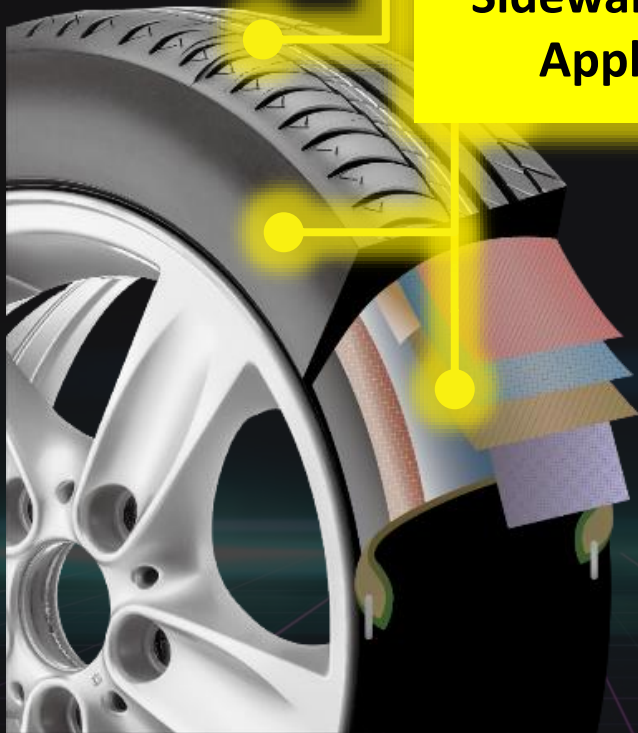
# CONTINEX

LH Series CB designed for EV Tires



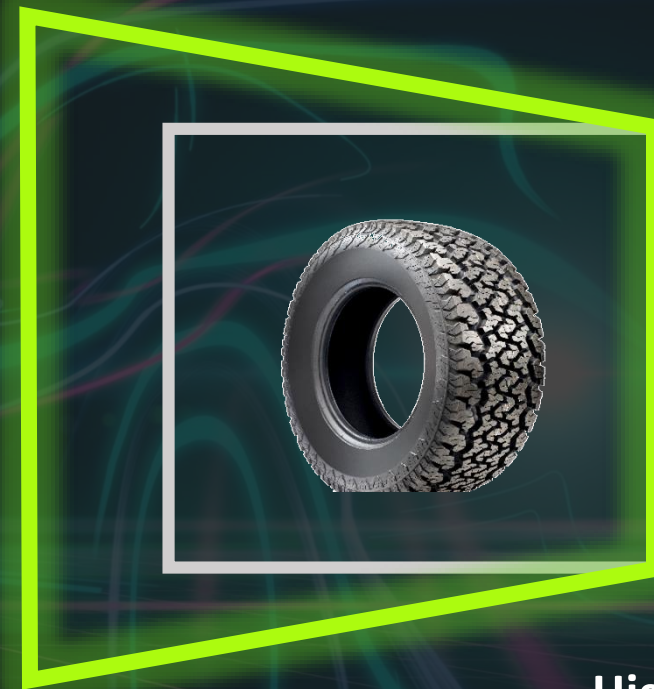
國家品牌玉山獎  
THE NATIONAL BRAND YUSHAN AWARD  
2021

Series of Carbon  
Black for Tread,  
Sidewall & Carcass  
Applications



Low Rolling  
Resistance **20%↑**

Low Noise



— ASTM  
— Continex LH

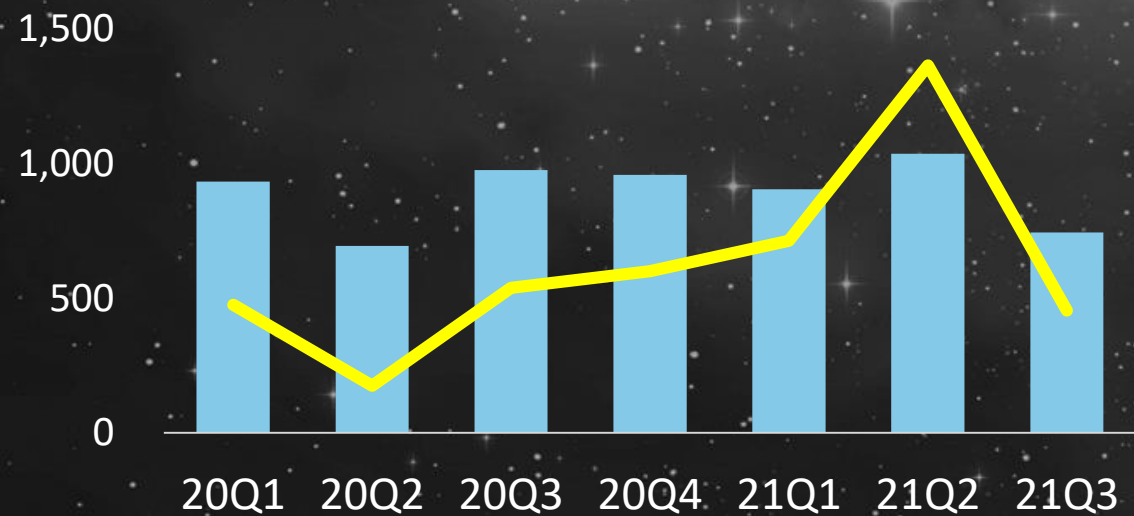
High Wear  
Resistance **10%↑**

High Traction

# Passenger-Car Sales by Region

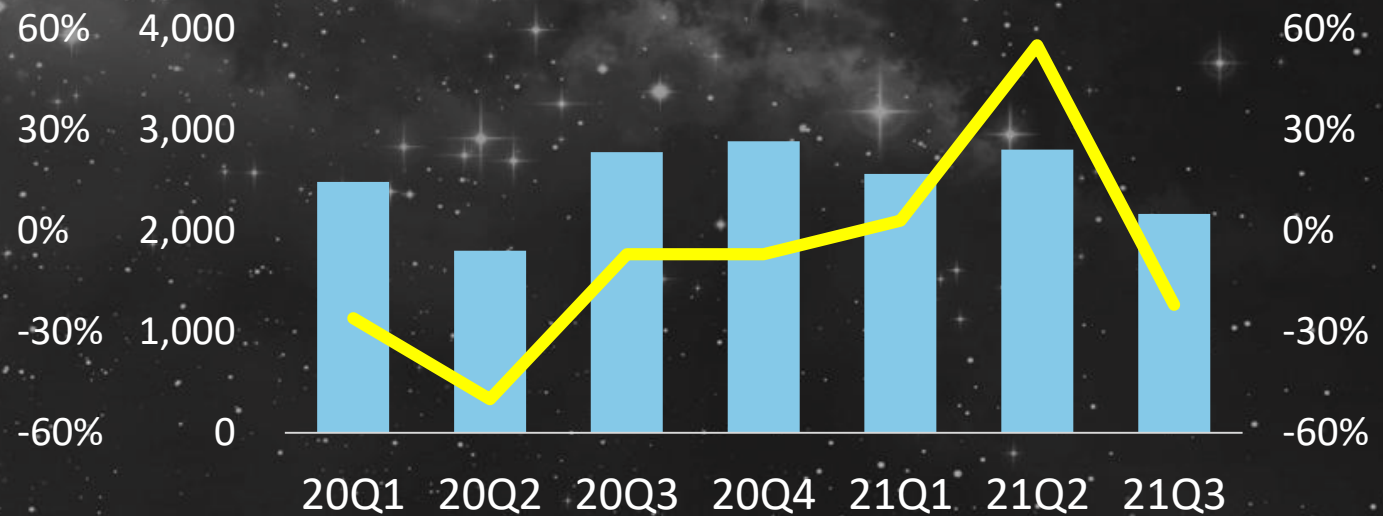
## US Passenger-Car Sales

Sales ('000 units) YoY change (%)



## EU Passenger-Car Sales

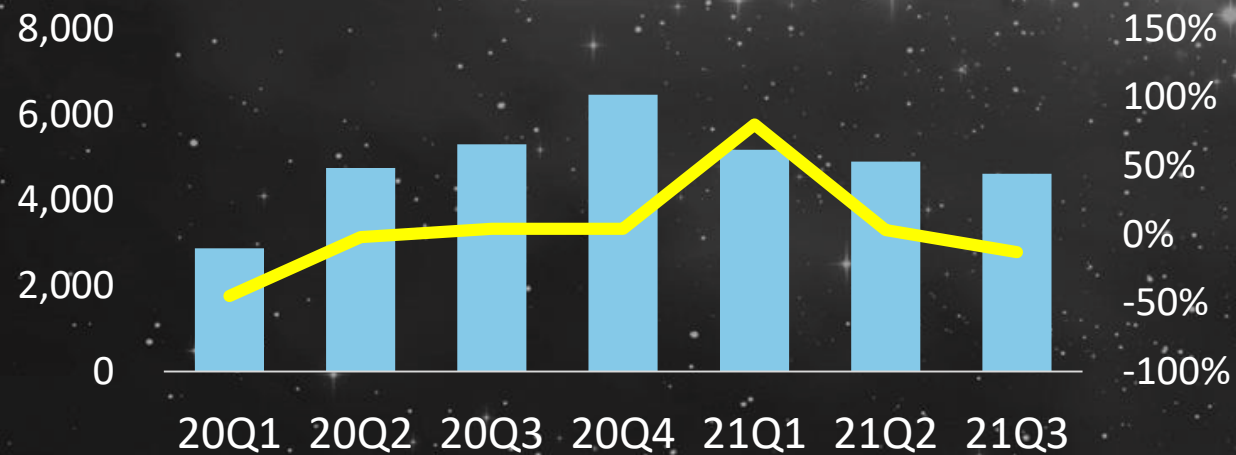
Sales ('000 units) YoY change (%)



# Passenger-Car Sales by Region

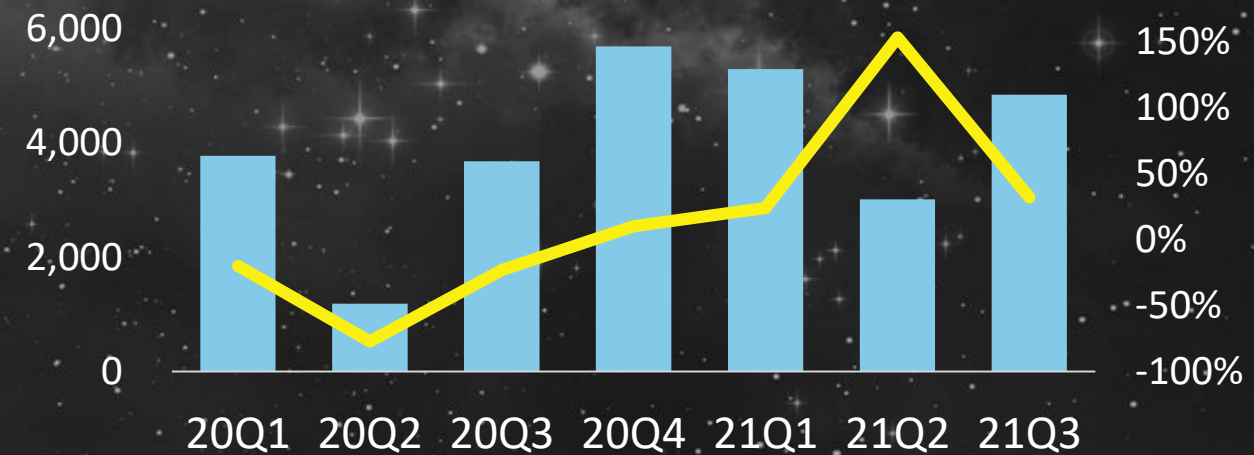
## Mainland China Passenger-Car Sales

Sales ('000 units) YoY change (%)



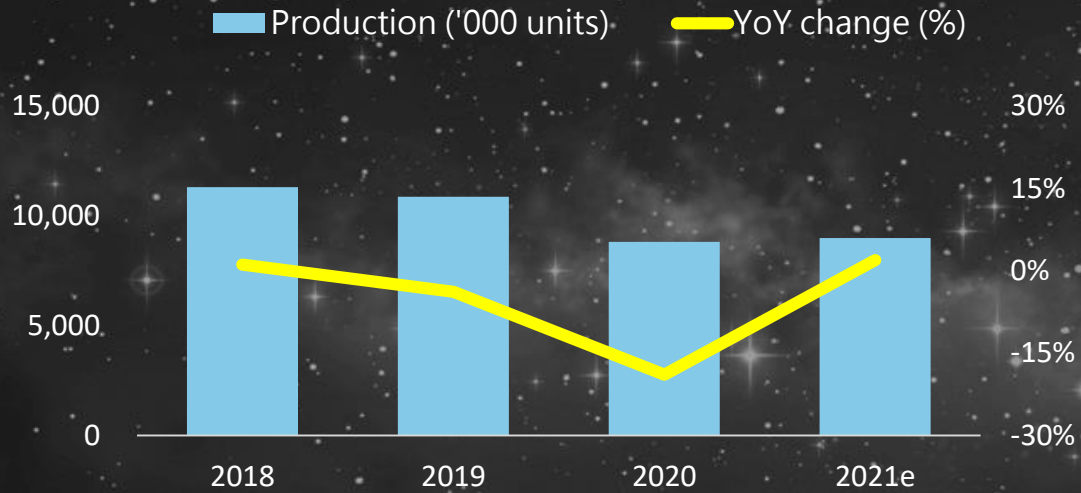
## India PC & 2-3 Wheeler Sales

Sales ('000 units) YoY change (%)

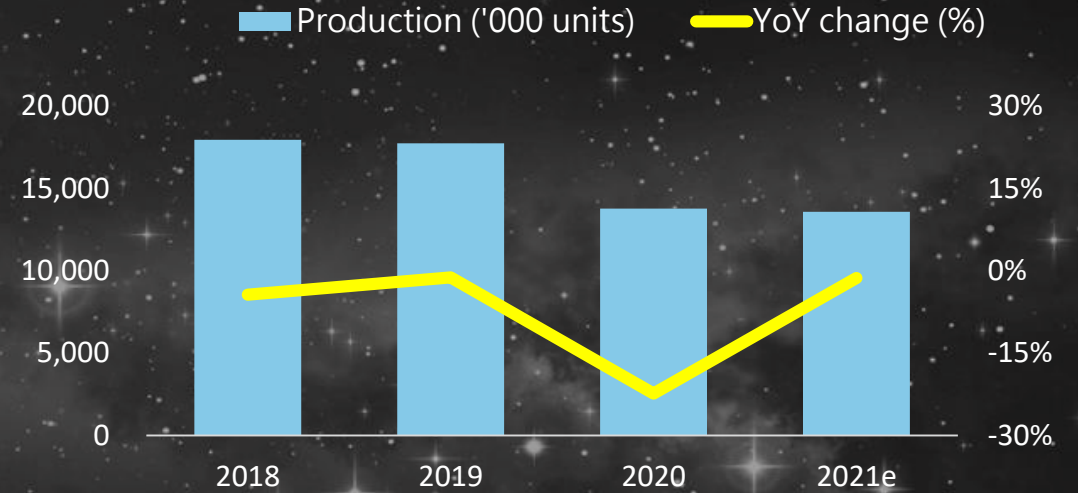


# Motor Vehicle Production by Region

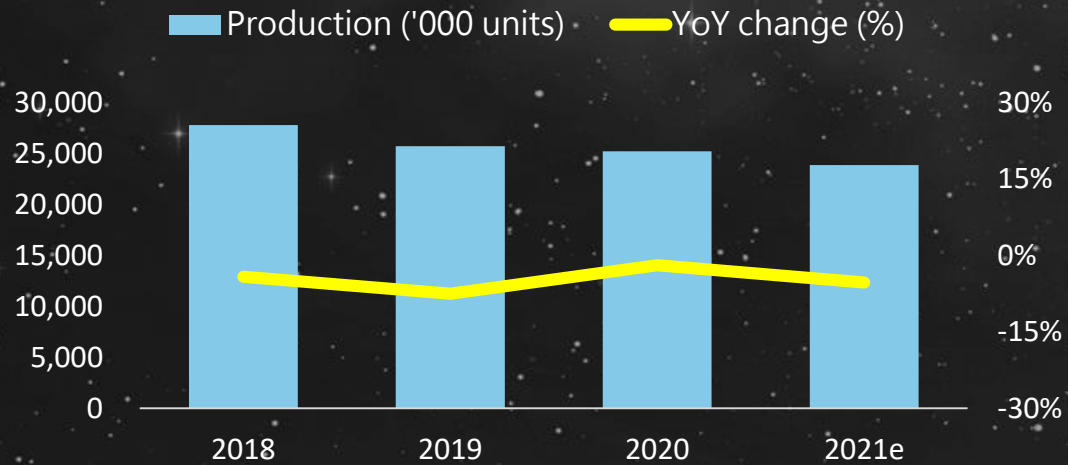
## US Motor Vehicle Production



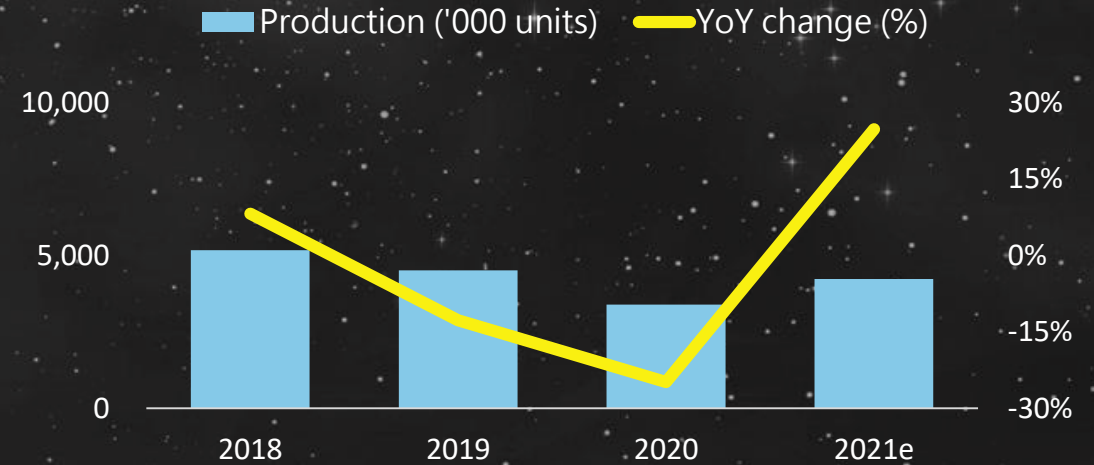
## EU Motor Vehicle Production



## Mainland China Motor Vehicle Production

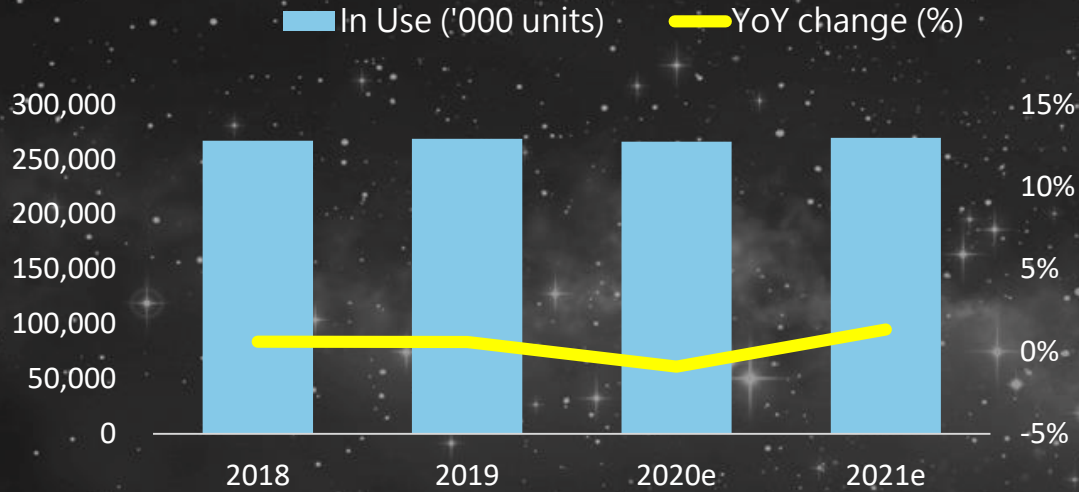


## India Motor Vehicle Production

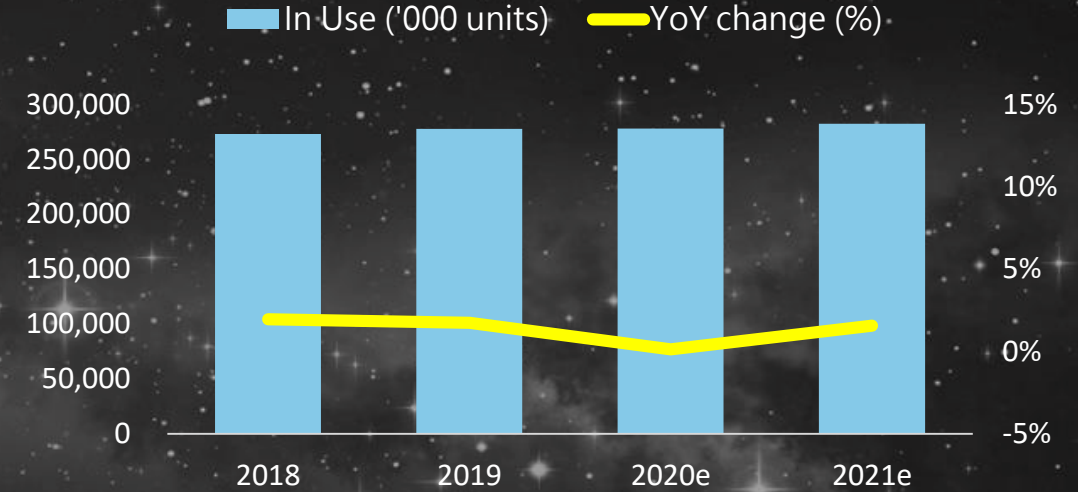


# Vehicles in Use by Region

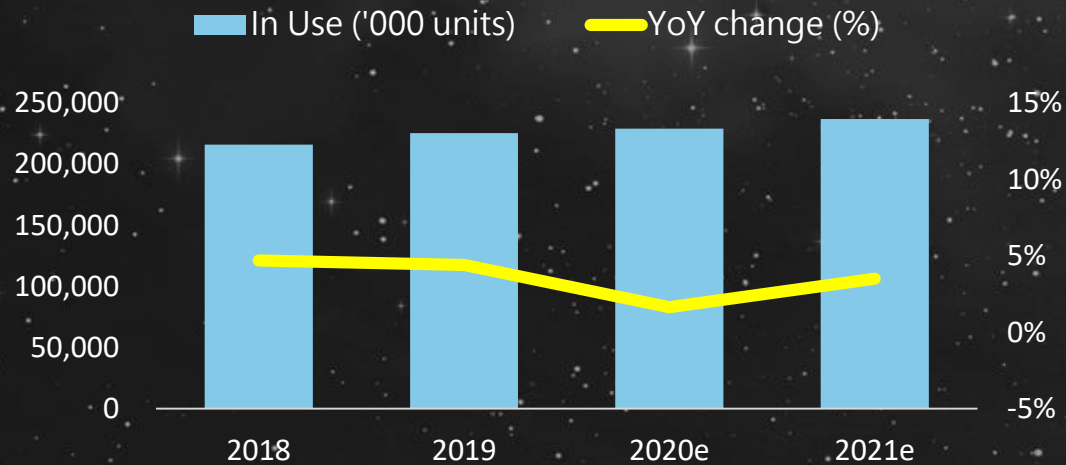
## US Vehicles in Use



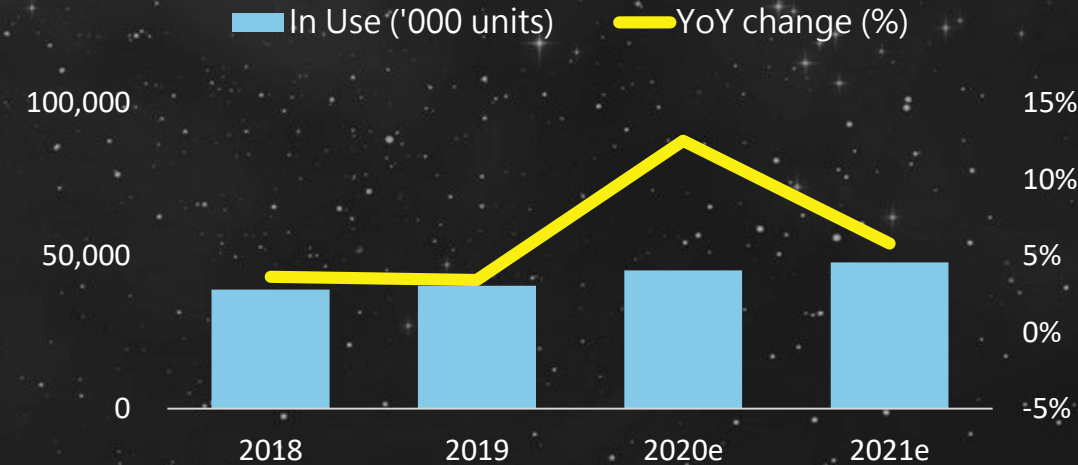
## EU Vehicles in Use



## Mainland China Vehicles in Use

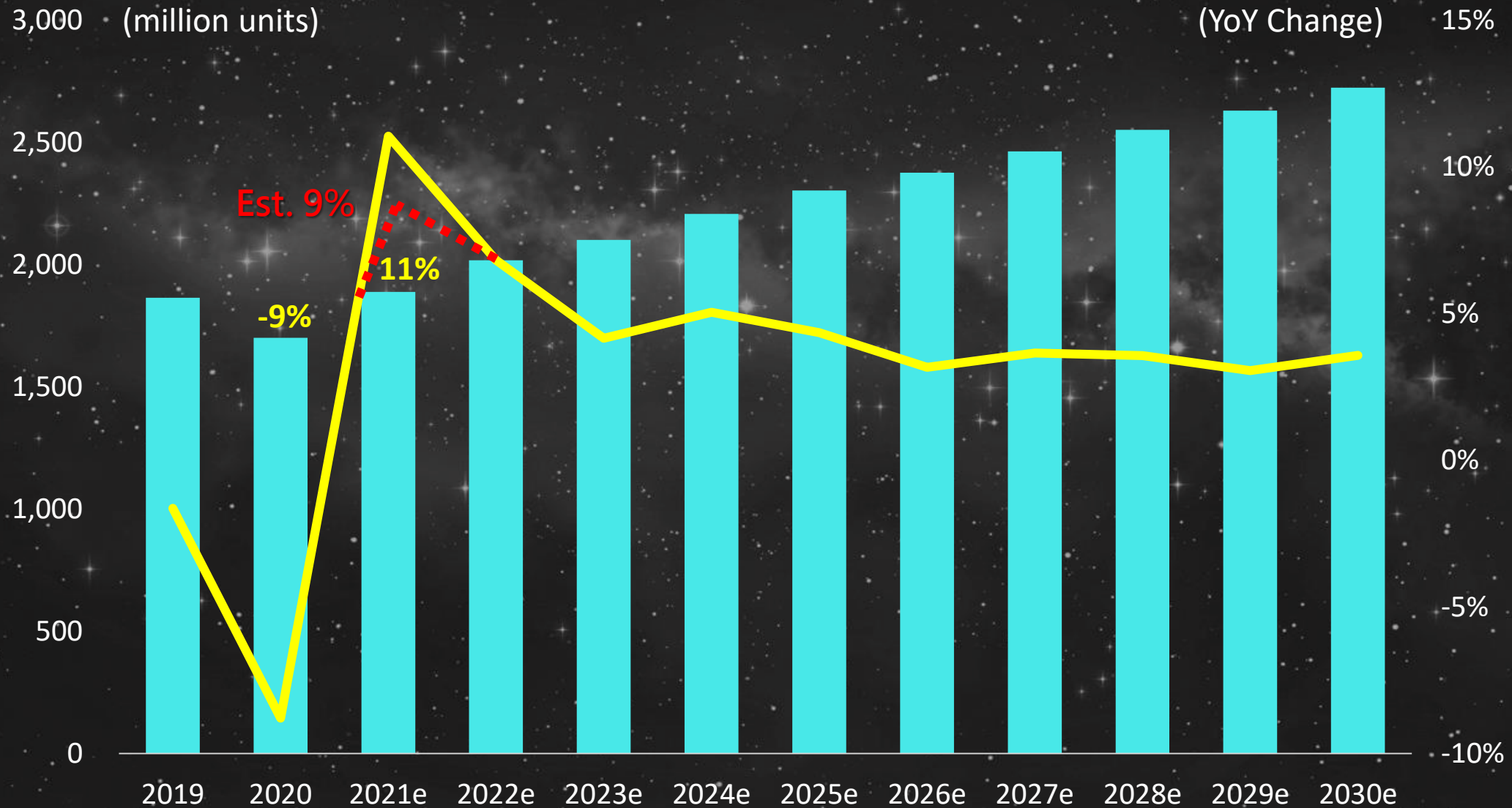


## India Vehicles in Use

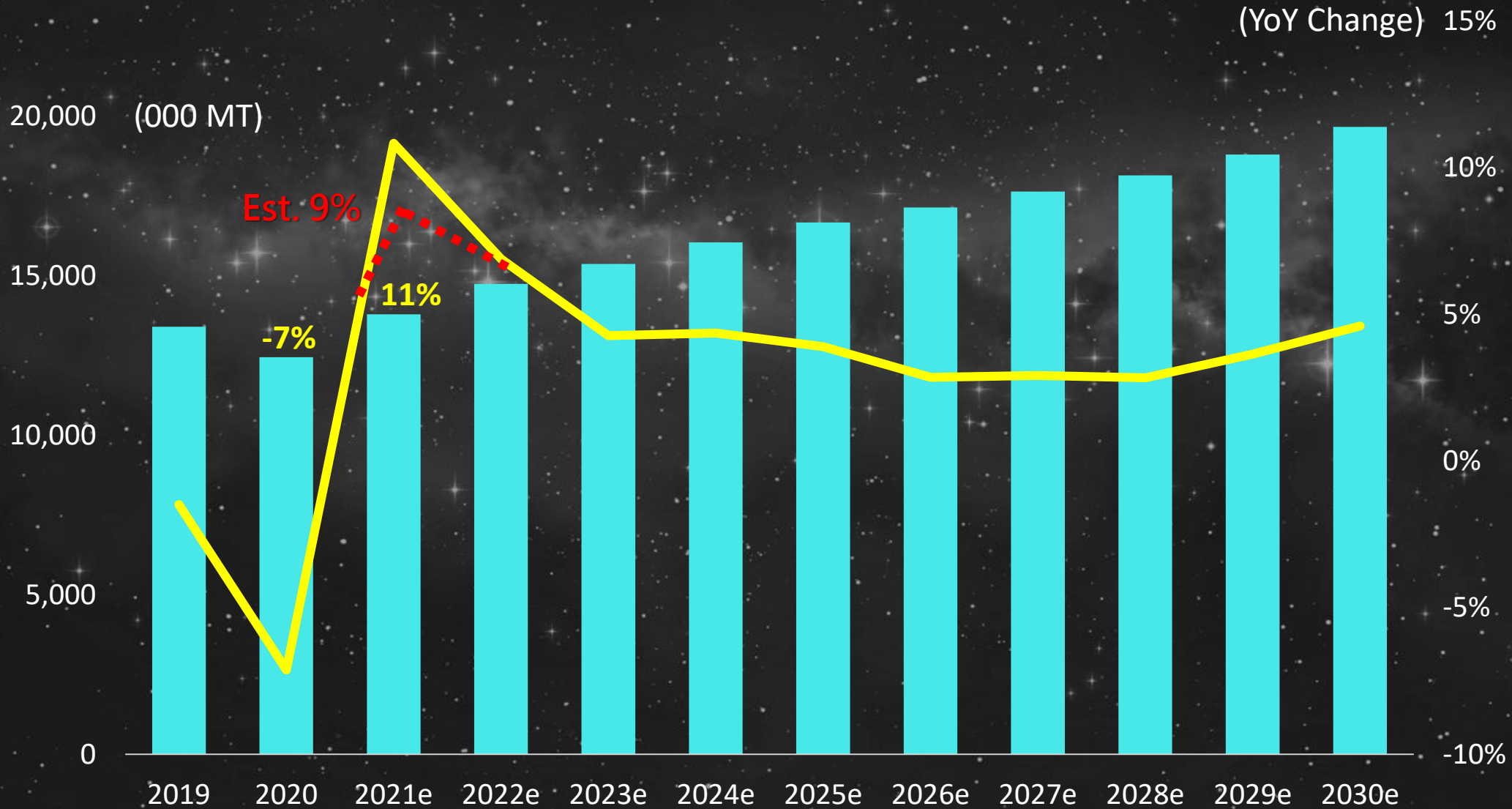


\*Light & Commercial Vehicles, Source: Nationmaster, ACEA, Notch

# World Tire Production 2019-2030

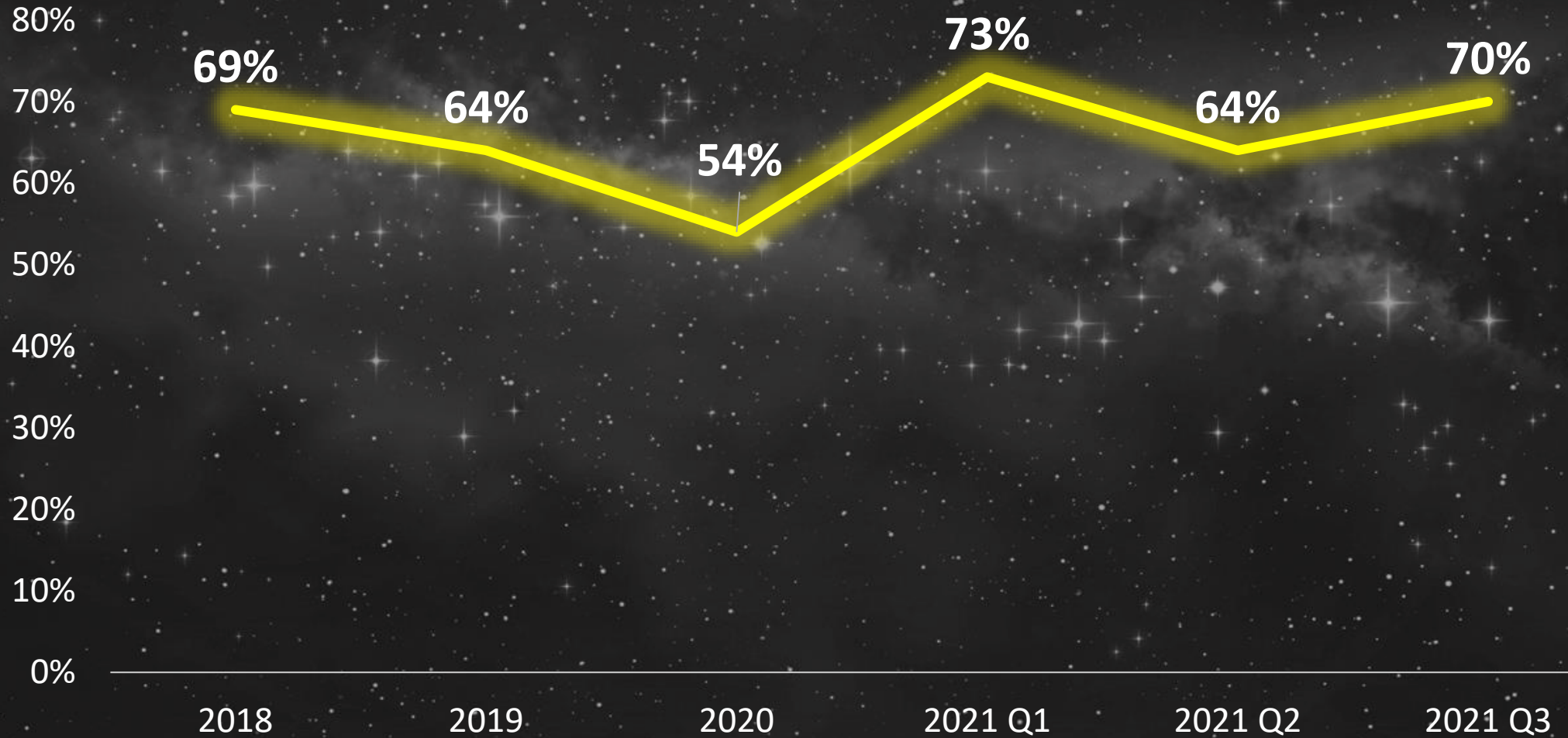


# World CB Demand 2019-2030

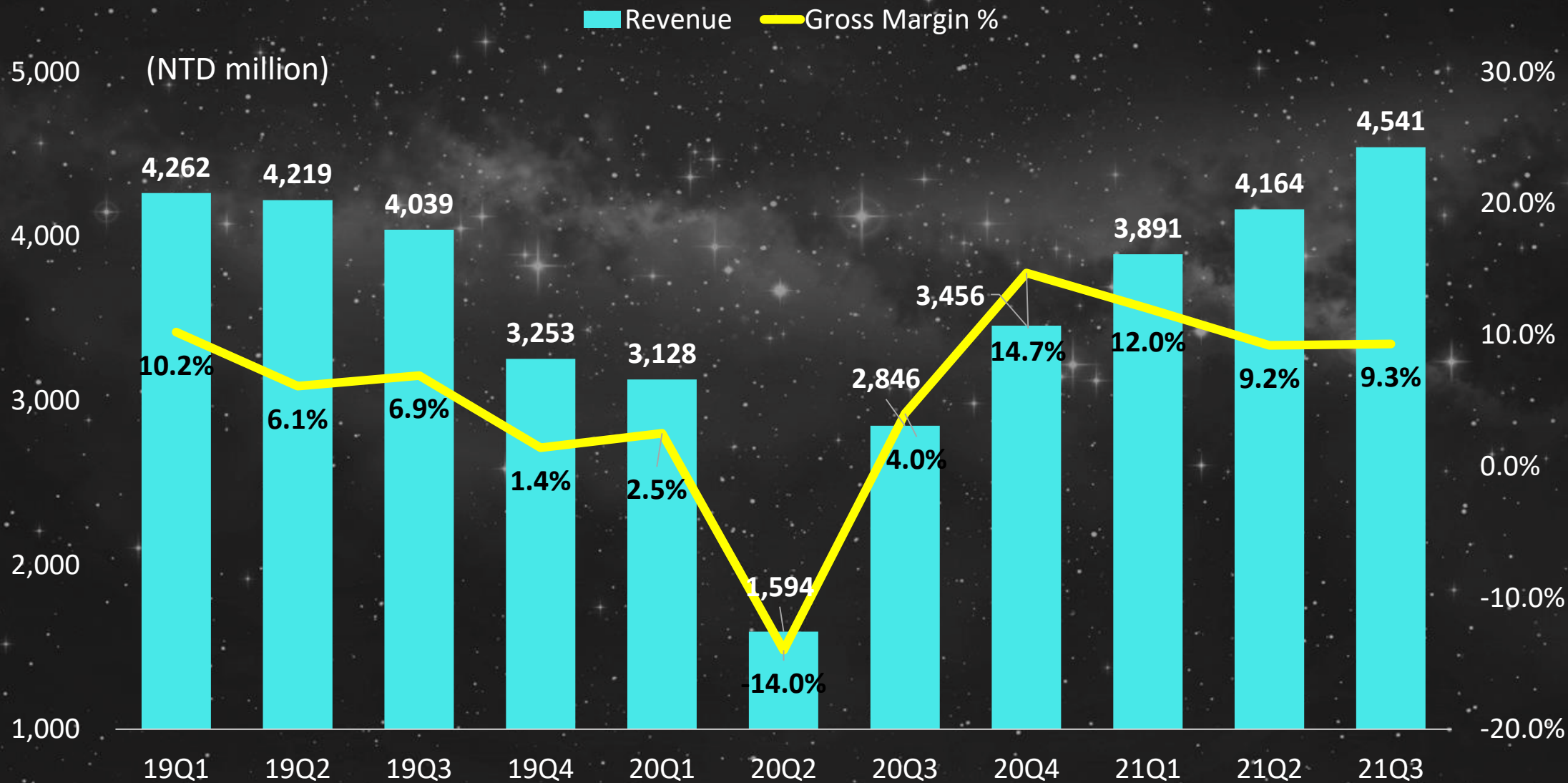




# CSRC CB Utilization Rate

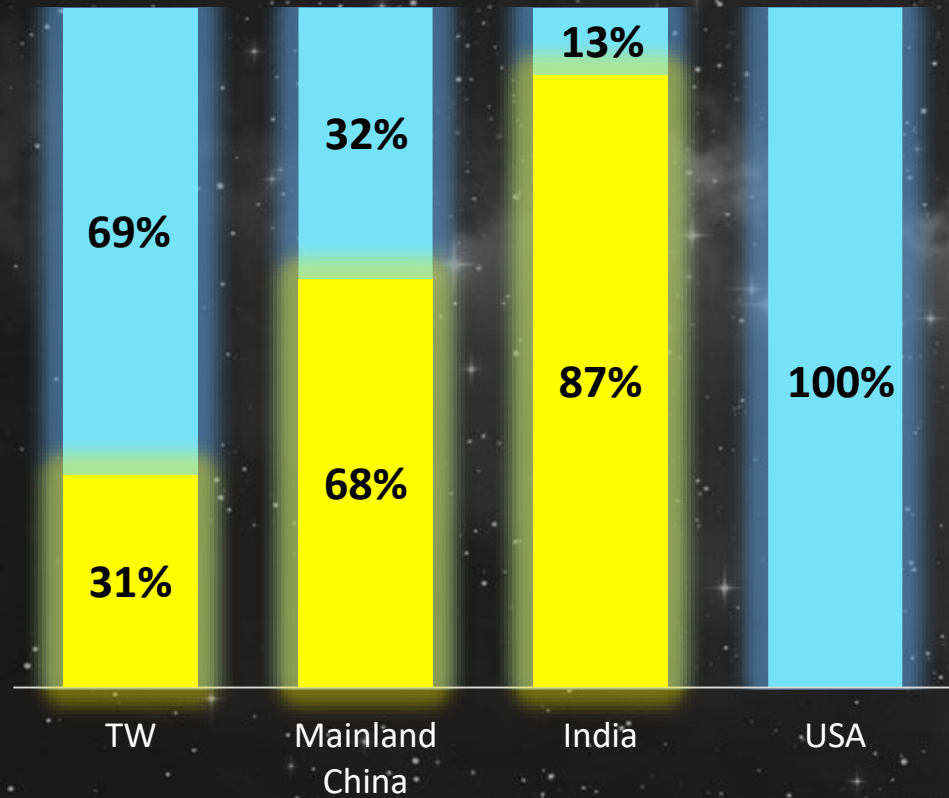


# CSRC CB Operating Results



# Harmony with Nature (1/4)

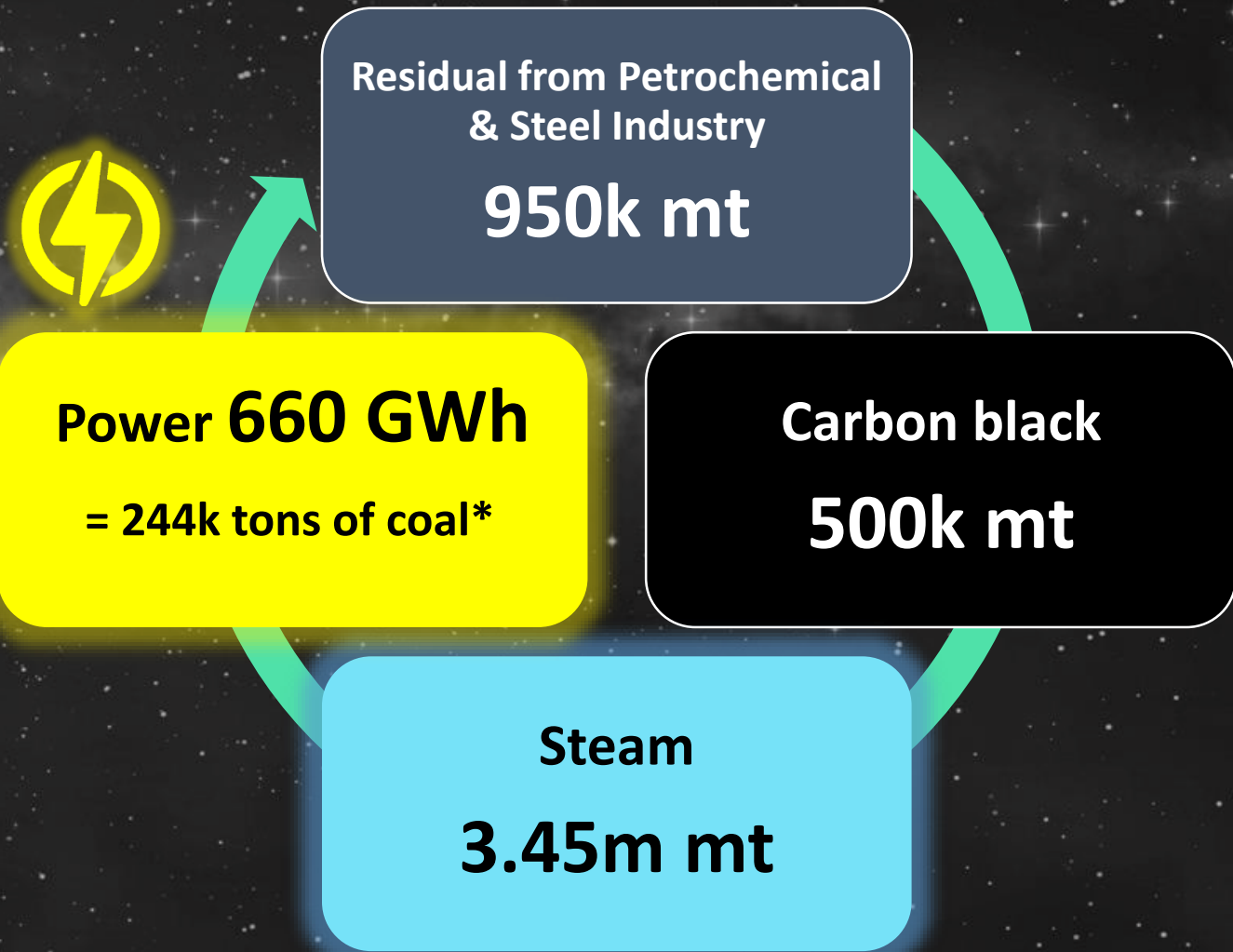
Steam produced from production



■ Steam to power   ■ Steam for internal use & export

Note: 2021 Q3 YTD figures

\*Carbon emission coefficient of electricity=0.509 kg CO<sub>2</sub>e/kwh, 2,702 kilowatt-hours of electricity can be produced per metric ton of coal, according to R.O.C. Bureau of Energy



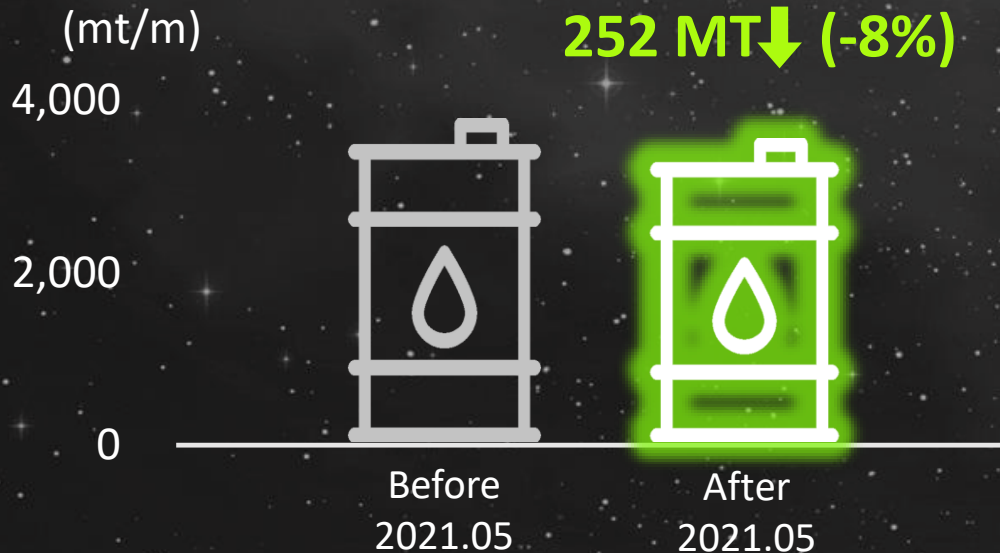
# India Gujarat Plant



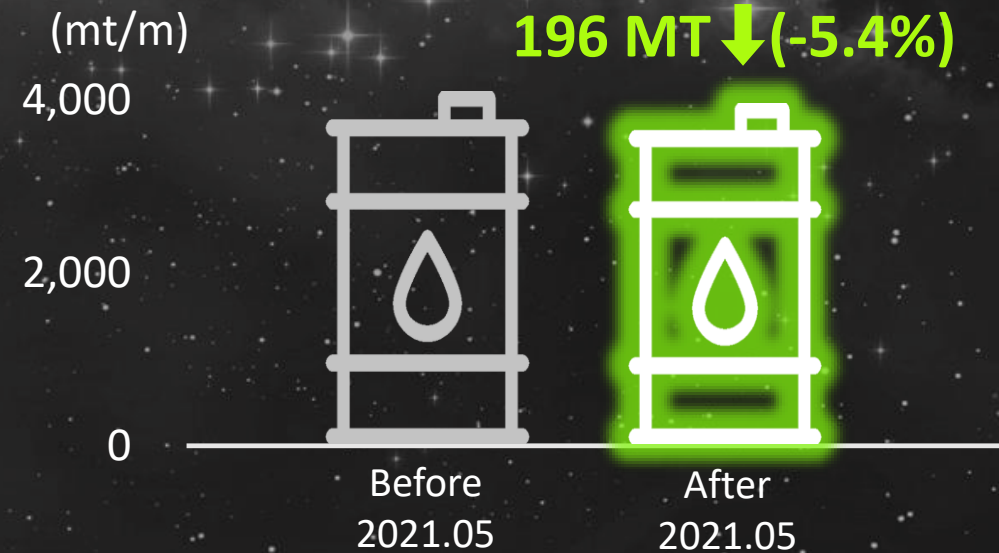
# Harmony with Nature (2/4)



### Linyuan N234 oil consumption



### Linyuan N330 oil consumption



Note: Oil volume saved = oil consumption/ton before improvement\*CB production after improvement-oil consumption after improvement  
Carbon emission coefficient of coal tar oil=2.6985 ton CO<sub>2</sub>e/ton

# Harmony with Nature (3/4)



- Optimize process
- Reduce oil consumption per unit carbon black production

## Maanshan plant GHG emission

-25%

2025  
Original goal

**-43%**

**2020**

\*Take 2016 as the emission benchmark  
In 2021 the target is raised to 55% due to reaching the target ahead of schedule in 2020.



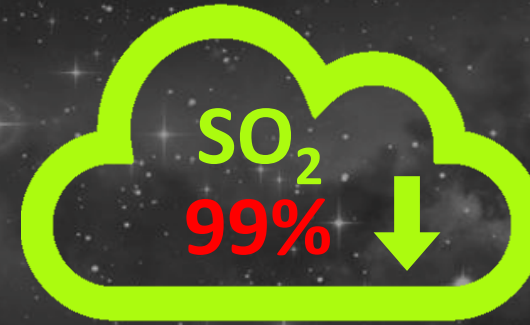
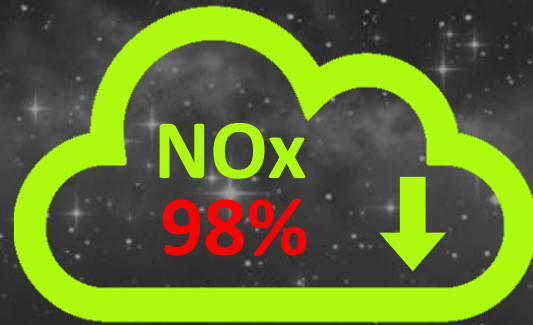
- Recover heat to generate steam and electricity
- Self-generated electricity is greater than self-consumption



Eliminate and upgrade high-energy-consuming equipment

# Harmony with Nature (4/4)

Maanshan plant completes the "ultra-clean emission" target



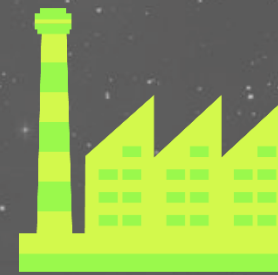
EBF desulfurization and denitrification equipment



SCR-De NOx system



Low nitrogen burner Boiler



# CSRC Product Successful Application - Biodegradable Mulching Film

## *Carbon Black Goes Green*





# Global Customers

Cultivate Relationships with Global Customers &  
Develop High-Value Products to Meet Future Demand



# CSRC Sustainable Strategy

## Create Long-Term Value for the World

### High Value Products

Innovate and focus on high-value grades

### Global Accounts

Cultivate relationships with global customers

### Operation Management

Improve production efficiency & reduce CO2

### Harmony with Nature

Value natural resources & Reduce emissions

# Circular Economy Technology Forum & Carbon Black Workshop



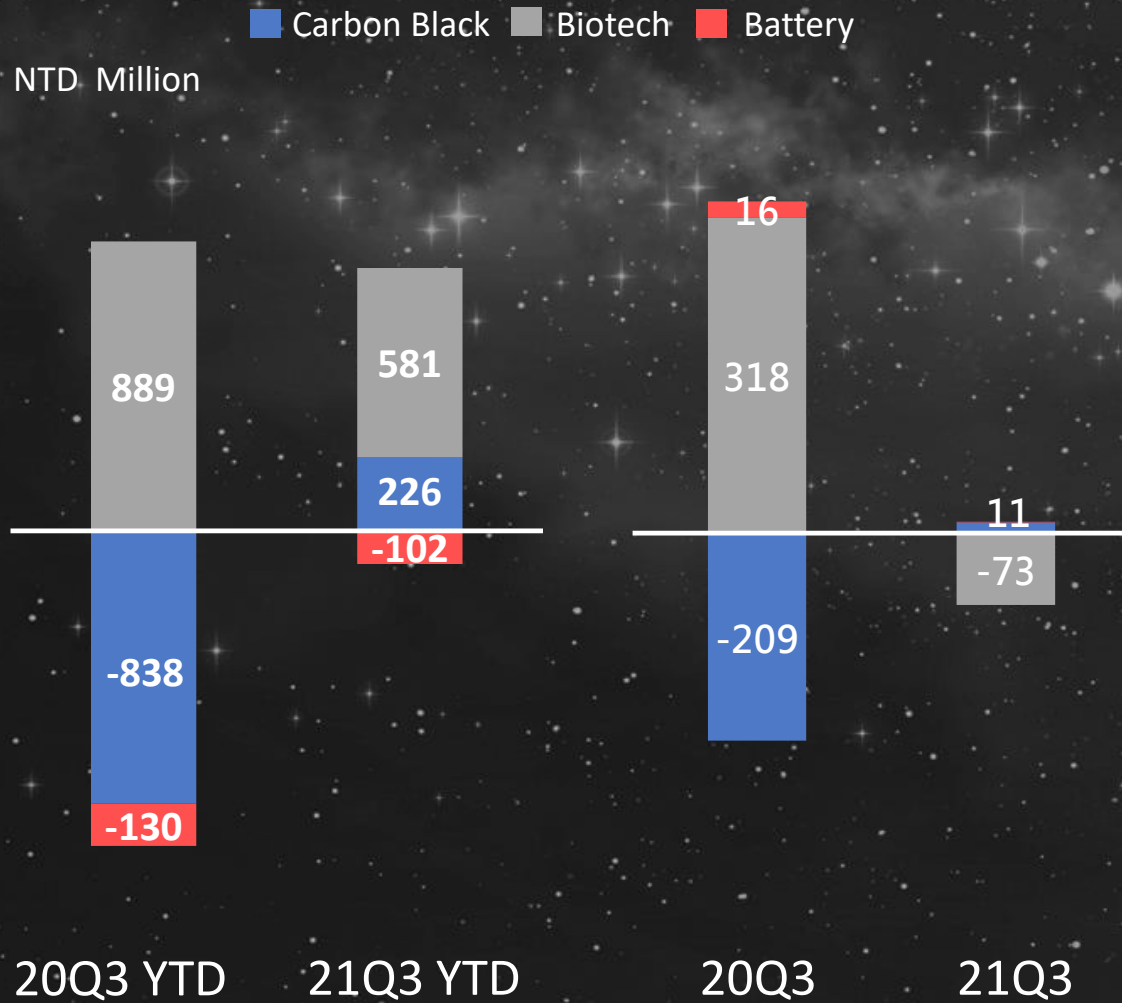
**03**

***Operating Results***

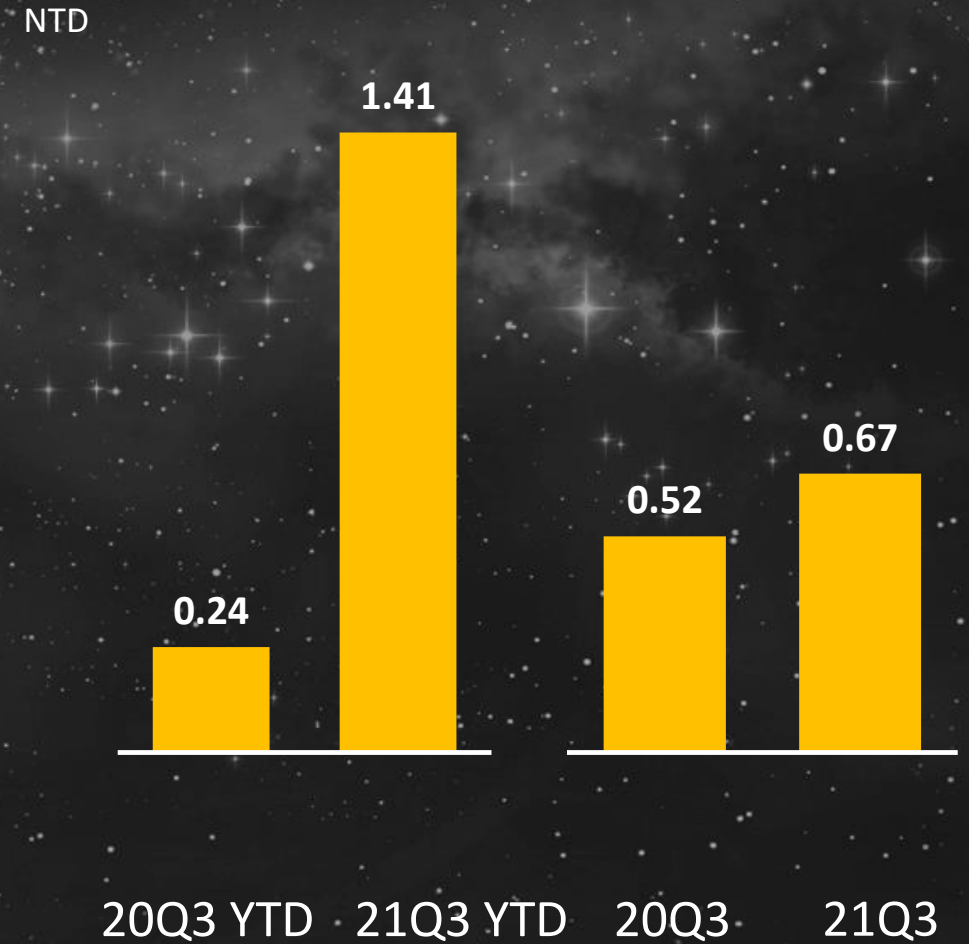


# Net Income by Segment & EPS

## Net Income by Segment



## EPS



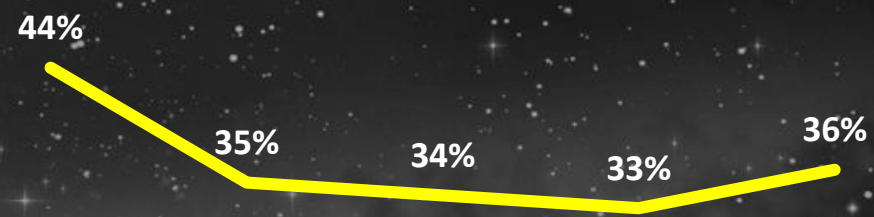
# Financial Structure

## Current Ratio



2017 2018 2019 2020 21Q3

## Debt Ratio (L/A)



2017 2018 2019 2020 21Q3

## Interest Bearing Debt/Asset



2017 2018 2019 2020 21Q3

## Book Value/Share



2017 2018 2019 2020 21Q3

## Disclaimer

The forward-looking statements contained in this presentation are subject to risks and uncertainties and actual results may differ materially from those expressed or implied in these forward-looking statements.

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***Thank You!***

[csrcir@csrcgroup.com](mailto:csrcir@csrcgroup.com)