# **MOL GROUP** INVESTOR PRESENTATION

November 2023







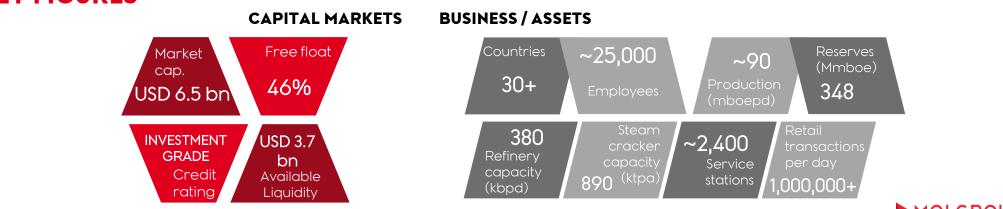
## MOL GROUP IN BRIEF INTEGRATED CENTRAL EUROPEAN MID-CAP OIL & GAS COMPANY



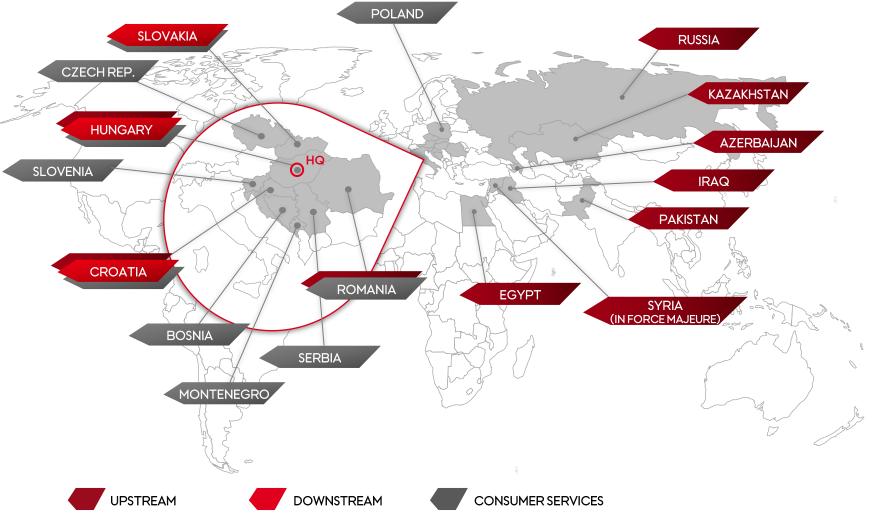
## CLEAN CCS EBITDA BY SEGMENTS IN 2022 (USD MN)

UPSTREAM	DOWNSTREAM	CONSUMER	GAS
2,212	2,240	320	163

**KEY FIGURES** 



## MOL GROUP GEOGRAPHY CEE-BASED INTEGRATED OPERATIONS AND INTERNATIONAL UPSTREAM



## AGENDA

## THE MOL GROUP EQUITY STORY

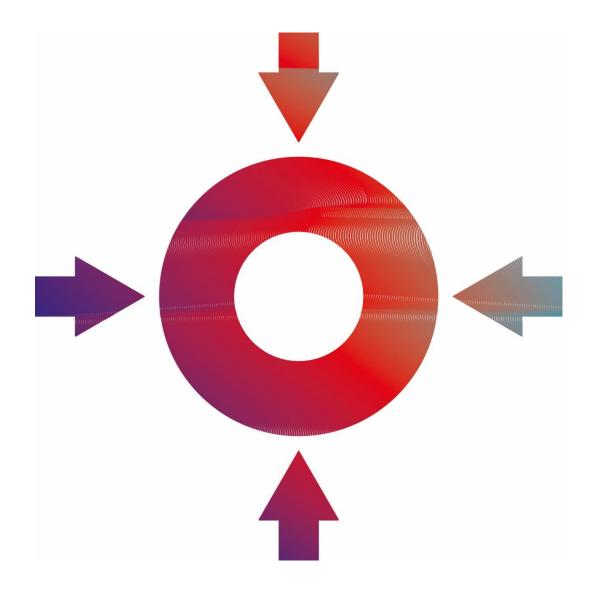
#### SUPPORTING SLIDES

Q3 2023 RECAP (LINK TO G2 2023 RESULTS)

	DOWNSTREAM	12	
	CONSUMER SERVICES	31	
_	EXPLORATION AND PRODUCTION	45	
_	WASTE MANAGEMENT	54	
	FINANCIALS, GOVERNANCE AND OTHERS	61	

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# THE MOL GROUP EQUITY STORY







# DELIVER TODAY, SHAPE TOMORROW

MOL 2030+: unchanged direction however security of supply plays a key role in the current environment

ESG:

- Climate: 30% reduction of Scope 1 and 2 emissions by 2030, net zero emissions by 2050
- EU taxonomy aligned CAPEX: targeting 50% threshold by 2030
- Downstream: increasing EBITDA to cover "fuel to chemicals" transformation
- **E&P**: net zero by 2030, outstanding profitability funding the transformation
- Consumer Services: further improving profitability, whilst becoming a digitally-driven consumer goods retailer and complex mobility service provider
- Gas Midstream: stable, non-cyclical cash flows
- Waste management: efficiency improvement and expansion in circular economy by boosting recycling in municipal waste management
- Financials: fully funded investments (incl. transformation) and base dividend even against a ~50 USD/bbl oil price environment

## MOL 2030+: UNCHANGED DIRECTION, UNFOLDING TRANSITION WHILST ALSO MAINTAINING SECURITY OF SUPPLY



## **KEY DIRECTIONS UNCHANGED...**

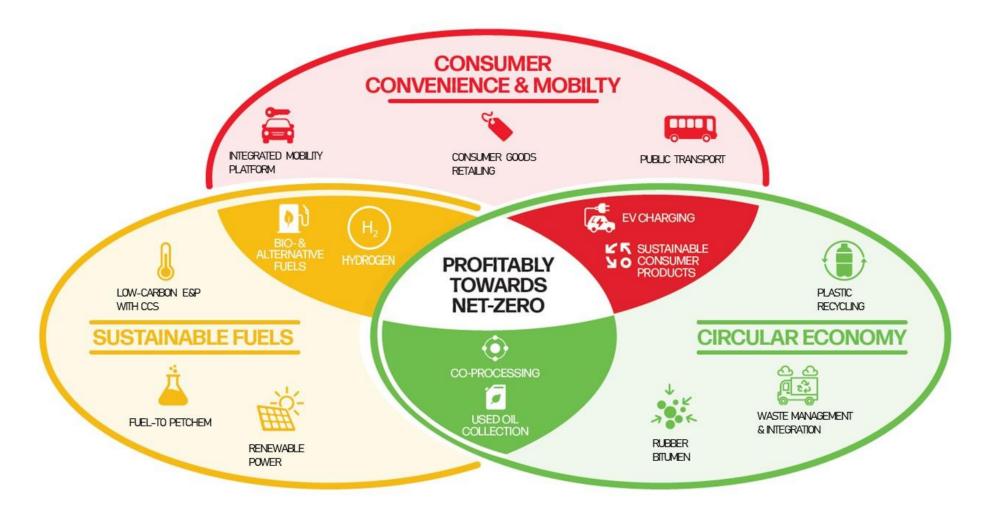
- Downstream transformation: Fuel-to-chemicals conversion to reduce motor fuel yields and output
- Consumer focus: to become a consumer goods retailer and mobility services provider
- Upstream: a key pillar to fund the transformation

## ...WITH ADDITIONAL FOCUS ON

- Transformation of the traditional oil & gas businesses
- Sustainability/CO2 reduction targets
- Investing in low-carbon, circular economy to become a key player in CEE

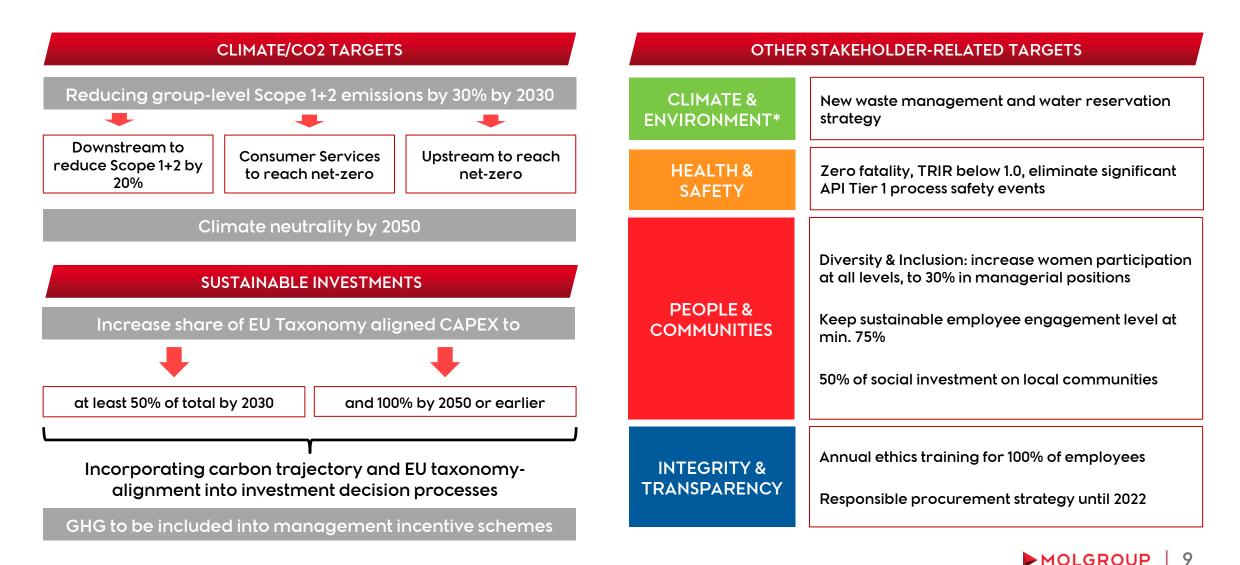
# MOL 2030+: PROFITABLY TOWARDS NET-ZERO

ACCELERATED LOW-CARBON TRANSITION



# ESG: CLIMATE/CO2 IN FOCUS, BUT ALL STAKEHOLDERS MATTER

## AMBITIOUS TARGETS ON SUSTAINABLE INVESTMENTS

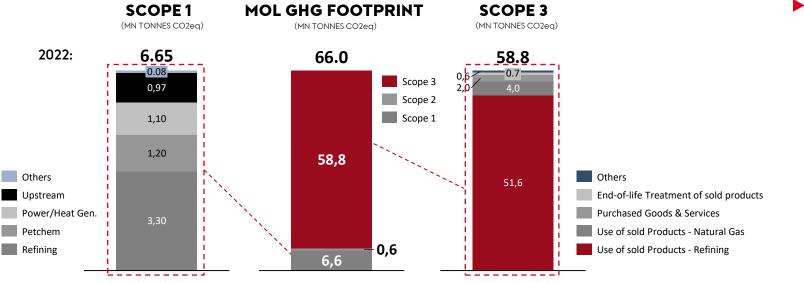


# GHG: DOWNSTREAM AND FUEL SALES BIGGEST CONTRIBUTORS

## SCOPE 1+2 IS 11% OF MOL'S TOTAL GHG FOOTPRINT

## TOTAL GHG EMISSIONS SCOPE 1, 2 AND 3

- Scope 3 accounts for 89% of MOL Group's total GHG emission footprint
- Downstream accounts for 85% of MOL's Scope 1 emissions, Upstream for 15%
- Around 86% of all MOL Group Scope 1 falls under ETS (99% of DS under ETS)
- Use of sold products (mainly diesel, gasoline) accounts for 95% of reported Scope 3



## **REPORTING AND DISCLOSURE**

- Climate related disclosures produced in accordance with the core elements of the TCFD
- Full Scope 3 emissions breakdown of all 15 categories in Annual Report
- Calculation and reporting of GHG Emissions Scope 1, 2 and 3 consistent with the following standards:

TASK FORCE ON CLIMATE-RELATED FINANCIAL

TC

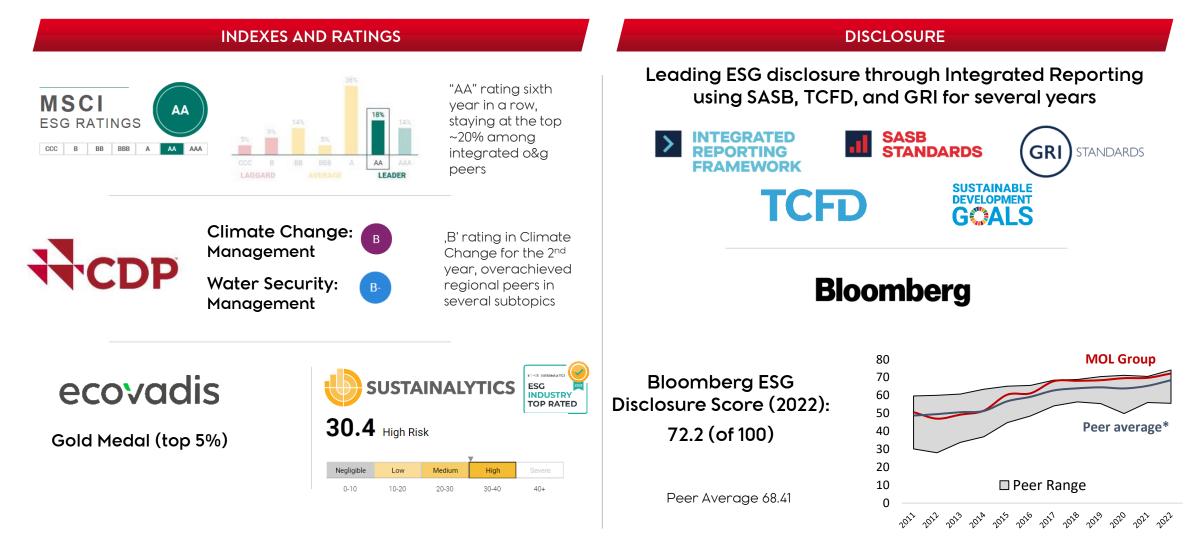


GREENHOUSE GAS PROTOCOL

> Association of Oil & Gas

# ESG: SECTOR-LEADING RATINGS AND DISCLOSURE

## TOP POSITIONS ACROSS LEADING ESG RATINGS



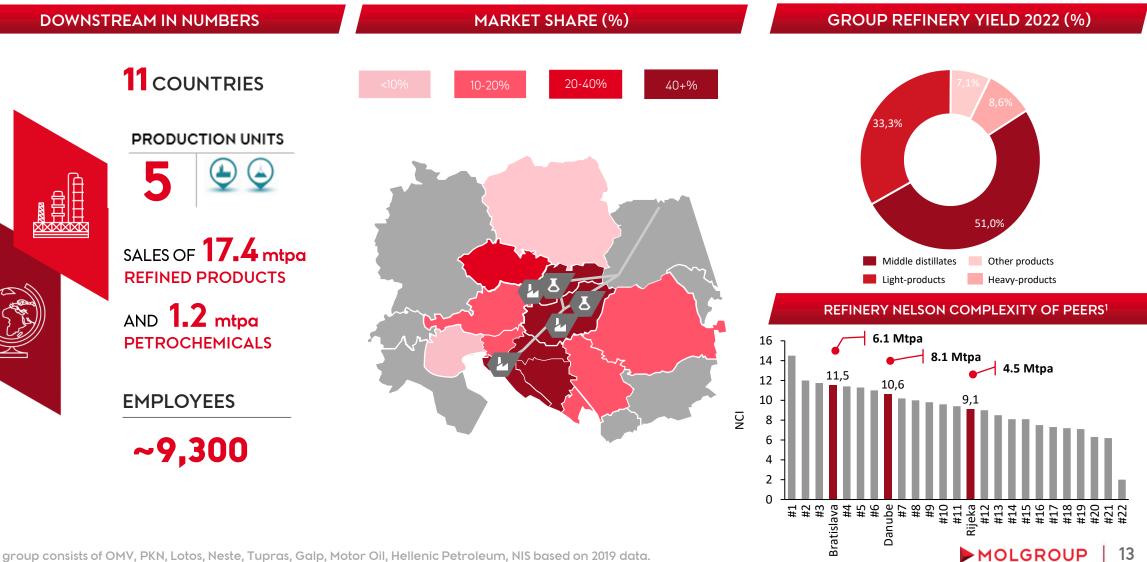
# DOWNSTREAM





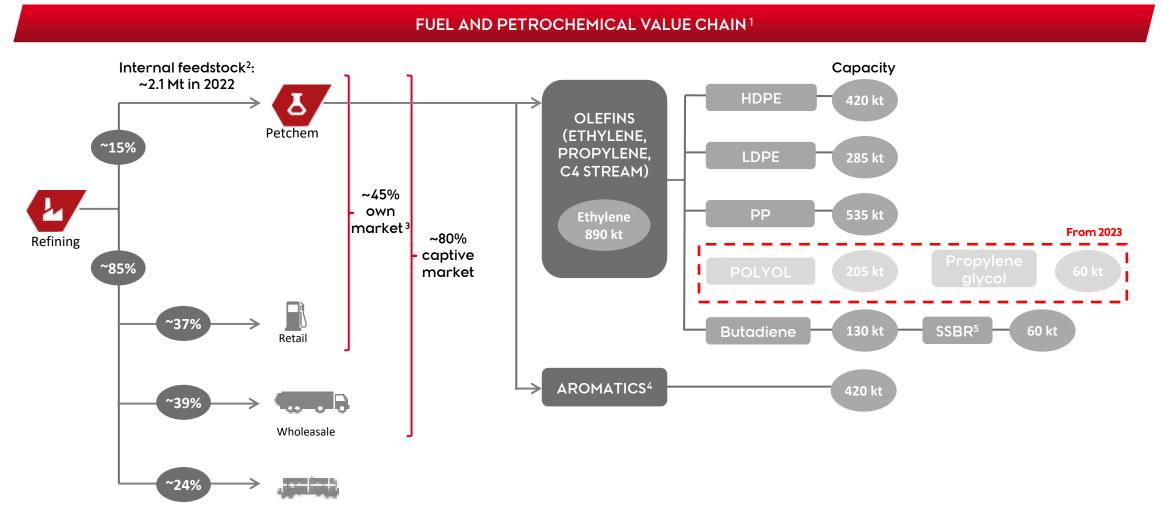


# **INTEGRATED DOWNSTREAM MODEL IN CEE**



<sup>1</sup> Peer group consists of OMV, PKN, Lotos, Neste, Tupras, Galp, Motor Oil, Hellenic Petroleum, NIS based on 2019 data.

# **DEEP DOWNSTREAM INTEGRATION**



#### <sup>1</sup>Group level data

<sup>2</sup> Considering steam cracker feedstock (naphtha & LPG) from Danube & Bratislava refineries only

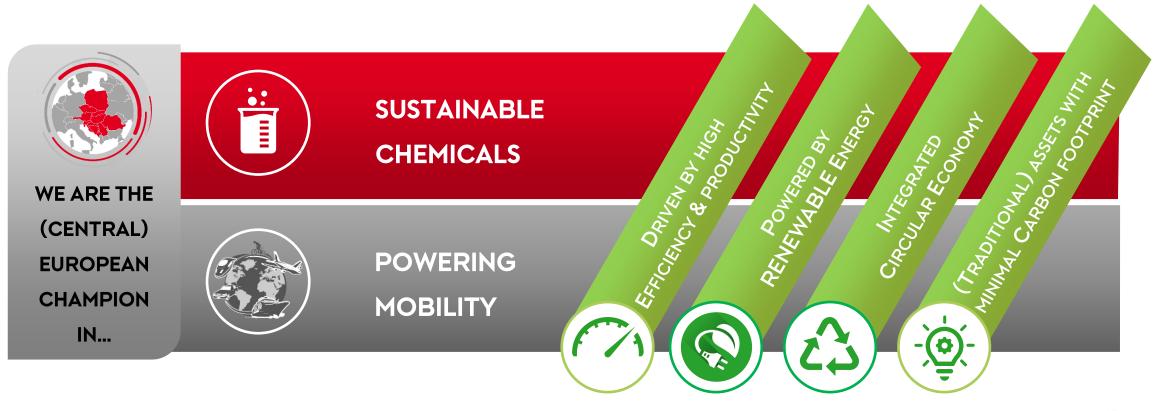
<sup>3</sup> Own market is calculated as sales to own petchem and own retail over own production

<sup>4</sup> Considering 2021 production

<sup>5</sup> SSBR: 49% MOL stake

# 2050 VISION: HIGHLY EFFICIENT, SUSTAINABLE, CHEMICAL-FOCUSED

WE HAVE A LONG-TERM VISION TO BECOME A SUSTAINABLE CHEMICALS COMPANY AND POWERING MOBILITY WITH AN AMBITION TO REDUCE CARBON FOOTPRINT AND STRIVING TO REACH NET ZERO EMISSION



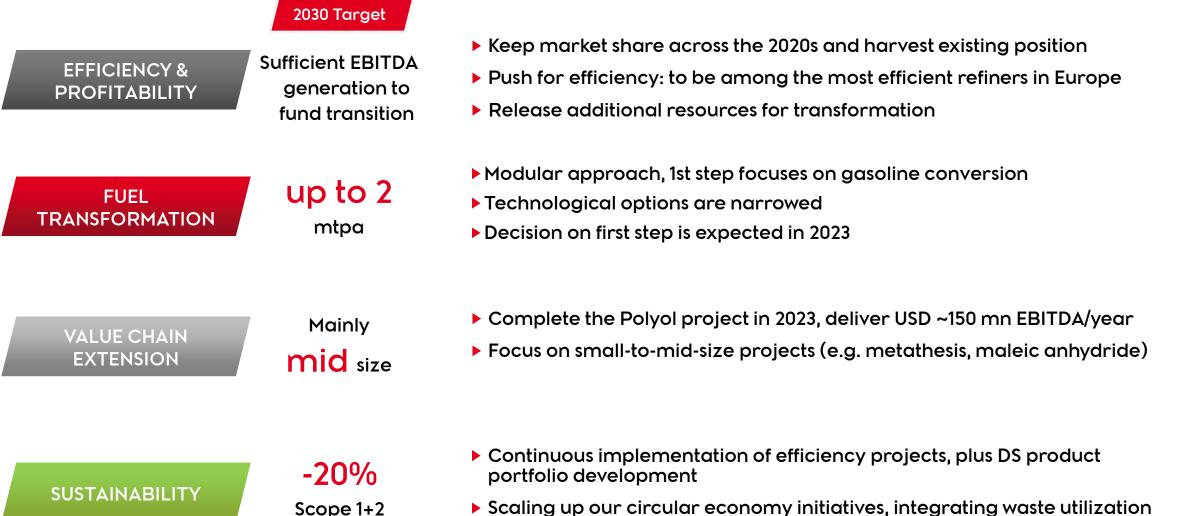
# INTEGRATING DIO, AND WASTE BASED STREAMS IN PRODUCTION AND SCALING UP DECYCLING

INTEGRATING BIO- AND WASTE-BASED STREAMS IN PRODUCTION AND SCALING UP RECYCLING



# 2030 DIRECTIONS STILL VALID, SUSTAINABILITY IN FOCUS

## **KEY PILLARS OF THE 2030 STRATEGY REMAIN INTACT**



 Scaling up our circular economy initiatives, integrating waste utilization into our value chain
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# BOOSTING EFFICIENCY TO BE AMONG THE BEST REFINERS IN EUROPE

FOSSIL FUELS WILL REMAIN PROFITABLE IN THE 2020S

HARVEST MARKET	1 <sup>st</sup> quartile in NCM <sup>1</sup>	

- Fossil fuels to be dominant and profitable across the 2020s
- Defend market share and profitability on our core markets
- Maximize profitability of our refineries (e.g. Rijeka Refinery Upgrade project)

MINIMIZE ENERGY CONSUMPTION



- Significant improvement vs current situation
- Identified several small-to-mid-size projects (USD ~50 mn/year<sup>3</sup>)
- Support the reduction of CO2 emission and energy costs



- Additional resources to further accelerate transformation
- Special focus on productivity improvement, maintenance, reliability, energy management and efficiency
- Enable and invest in cross-country, cross-site collaboration

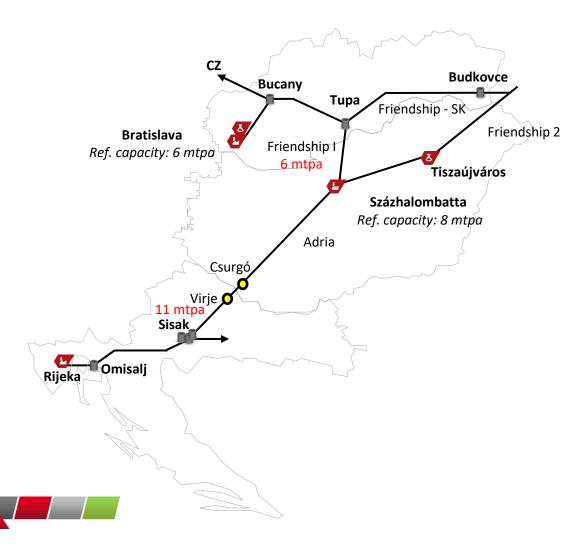




# ADRIA PIPELINE PROVIDES ALTERNATIVE CRUDE SUPPLY

# PRELIMINARY ESTIMATES SUGGEST UP TO USD 500-700MN INVESTMENT WOULD BE NEEDED FOR FULL DIVERSIFICATION

## ALTERNATIVE CRUDE SUPPLY ROUTE THROUGH THE ADRIA



## CURRENT CAPABILITIES

- We have spent USD 170 mn on crude supply diversification pre-war
- Ca. 30% non-REB intake capability built out already in landlocked refineries (Bratislava and Százhalombatta)
- Adria pipeline technically capable of supplying ~80% of landlocked refineries' crude intake

## INVESTMENTS

- We have mapped what further investments are needed, and we are progressing according to the schedule with the transition
- Investments up to USD 500-700mn targeting crude blending, treatment and refinery debottlenecking would significantly increase MOL's ability to further diversify from Ural oil
- Investment plan for 2024 and beyond to be finalised by the end of 2023

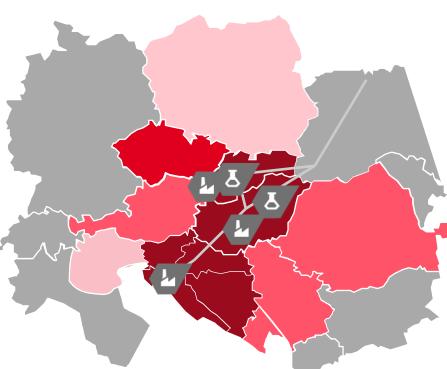
## TURNING THE CHANGING LANDSCAPE INTO AN OPPORTUNITY WHILST HARVEST MARKET POTENTIAL

## **DEMAND INCREASE**

- Regional fuel markets stagnating / slightly growing in the coming ~10 years
- Diesel peaking later than gasoline

## SUPPLY SECURITY

- Ensuring alternative crude routes via crude diversification program
- HC Logistics investment ideas: pipelines, depots



## SUPPLY DECREASE

- EU sanctions due to the Russian invasion of Ukraine
- EU ban on import of oil products of Russian origin, and export of products produced from Russian crude oil

## NEW OPPORTUNITIES AND CHALLENGES

 Market trends showing west to east push: Germany to CEE, CEE to Ukraine and Balkan region

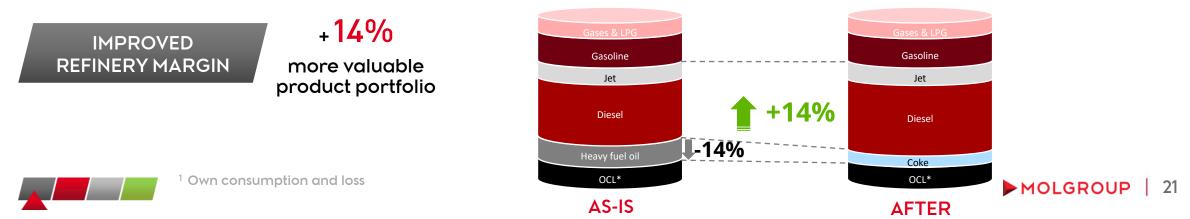
## CONTINUING RIJEKA REFINERY UPGRADE

## INSTALLATION OF A DELAYED COKER UNIT (DCU) ENABLING FULL CONVERSION AND UTILIZATION



- Rijeka Refinery Upgrade Project is the largest single investment project in INA's history
- Engineering and purchasing completed
- Port and related logistics enabling sale of new product (petroleum coke)
- Mechanical completion planned for 2024





# THE POLYOL PROJECT REPRESENTS AN IMPORTANT MILESTONE FOR STEPPING FORWARD IN THE PROPYLENE VALUE CHAIN

LARGEST ORGANIC INVESTMENT IN MOL GROUP HISTORY

#### **POLYOL PROJECT** MARKET Moving from commodity (polypropylene) In CEE there is still gap in supply-demand R. DRIVER to semi commodity POLYOL UNITS & SUPPLY DEMAND IN EMEA 2024 (KT) 205 ktpa of polyol TARGET 60 ktpa propylene glycol (PG) WE VOLUME CEE 1600 Flexible and rigid foams 450 TARGET Unsaturated polyester resin SEGMENTS (UPR), functional fluids, - 150 personal care products 1) Technical constraint: Breeding period GRADUAL 2) Market constraint: Quality customization **RAMP UP** Middle-Fast Africa period 210 300 150 150 Timeline: 2023 - 2025 CAPEX **EBITDA** MARGIN **FTE NEED** \*Full capacity Source; IHS study, IAL 2018 study POTENTIAL ESTIMATE Supply in 2024 Polvol plants ~USD 150 400-500 Demand in 2024 ~USD 1.3 Bn New Polyol Plant in 2017 ~200 Balance in 2024 Mn/year USD/t

New Polyol Plant in 2022

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# **BEYOND-POLYOL: SMALLER VALUE CHAIN EXTENSION PROJECTS BY 2030**

ramp-up



Additional USD

~150 mn

EBITDA p.a.

LARGE-SCALE INVESTMENTS







FOCUS ON SMALL-TO-MID-SIZE USD 300 mn total CAPEX

- Implement metathesis project by 2024
  - Greenfield investment of MOL Petrochemicals will provide 100 kt of propylene for the polyol complex, it is under construction in Tiszaújváros
  - Investment size: USD ~200mn
- Implement new Maleic Anhydride unit by 2026
  - Building an additional Maleic Anhydride production line with a capacity of 23 ktpa

Polyol: 99.3% completion as of Dec 2022, start-up planned for 2023, gradual

Investment size: USD ~100mn





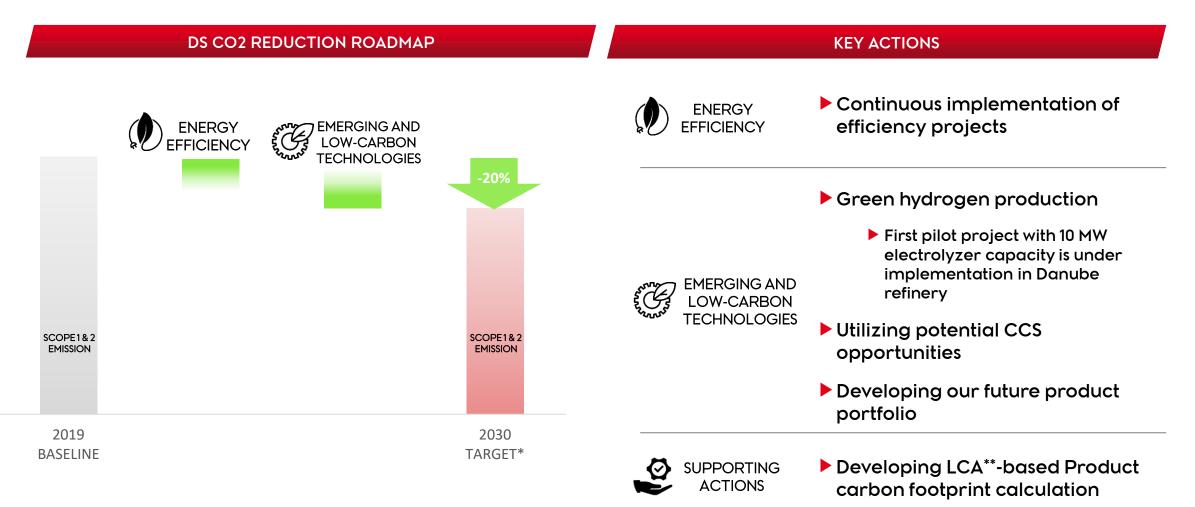
# REDUCING CO<sub>2</sub> FOOTPRINT BY 20% AND INTEGRATING WASTE

FROM ADVANCED BIOFUEL PRODUCTION THROUGH WASTE-TO-CHEMICALS INTEGRATION TO CARBON CAPTURE

		2030 Target	
		-20% Scope 1+2 emissions <sup>1</sup>	Reducing CO2 emissions, striving for net zero by 2050:
	MINIMIZE		Energy Efficiency to contribute ~0.4 mtpa CO2 reduction until 2030
	FOOTPRINT		<ul> <li>Further CO2 reduction target up to 1.4 mtpa from other carbon reduction projects (electrification, H2, CCS etc.)</li> </ul>
			EU funding opportunities to be fully utilized
	BIO ALTERNATIVE & FUELS	<b>100+ kt</b> Renewable fuels	To comply with Fit for 55 package & REPowerEU, including REDIII <ul> <li>Hydrogen production</li> </ul>
			Renewable fuels production
			Sustainable aviation fuels 2% replacement until 2025 and own production in 2030
	SCALE-UP CIRCULAR ECONOMY	100+ kt Polymer Recycling	Waste-to-Chemicals integration and diverse presence in the field of polymer recycling



# DOWNSTREAM HAS A CLEAR PATHWAY TO REACH ITS STRATEGIC CO<sub>2</sub> REDUCTION TARGETS







# MOL GROUP HAS MADE FIRST STEPS IN THE HYDROGEN DEVELOPMENT ROADMAP

MOL GROUP HYDROGEN PRODUCTION HAS A SIGNIFICANT POTENTIAL TO CONTRIBUTE TO DS CO2 TARGETS

### ORGANIZATIONAL SETUP

2022

Dedicated H2 team and program management under the New and Sustainable Businesses



#### FIRST PILOT PROJECT

Implementation of the 1st 10 MW electrolyzer at the Danube Refinery starting operation in 2024 Q1



### LIGHTHOUSE PROJECTS



Small-scale initial investments -lighthouse projects - in H2 production, H2 logistics, first HRS in the retail network in core countries (CR, HU, SK) to gain experience, develop competence



## PARTNERSHIPS

Establish partnerships with technological suppliers, mobility companies and professional associations



#### WHOLE RENEWABLE H2 VALUE CHAIN



MOL Group will establish its presence in the whole renewable hydrogen value chain: from RE generation and storage, via green H2 production and distribution till the serving H2 mobility demands

#### INDUSTRIAL SCALE-UP

Scale up of green H2 production in the second half of this decade, to reach EU compliance and serve increasing mobility needs

CONTRIBUTE TO THE SHAPE TOMORROW TARGET –20% CO2 REDUCTION BY 2030 ASSURE PRESENCE IN THE EMERGING CEE HYDROGEN ECOSYSTEM

# **RENEWABLES IN TRANSPORTATION FUELS INCREASING**

ADVANCED BIOFUELS ARE KEY ELEMENT OF FUTURE COMPLIANCE

#### 2022

- Bio blending activity in 7 countries
- 600+ kt liquid biofuels blended worth 1+ bn USD
- Hydrotreated vegetable oil is also part of the mix
- Own production diversified in the last years (next to bio ETBE<sup>1</sup> bio MTBE<sup>2</sup> as well as co-processed biodiesel & bio LPG)
- Waste and advanced biofuels' share increasing

#### 2030

- Renewables volume expected to reach almost 1 million tons (RED III before publication by EU)
- Conventional (1st generation) biofuels' share decreasing, focus on advanced bio
- 100+ kt own production in 3 refineries (co-processing, green hydrogen)
- Sustainable aviation fuel to decarbonize JET<sup>3</sup> fuel
- RFNBO<sup>4</sup> to be used for production of fuels
- Access to advanced biomethane sources by longterm agreements and/or M&A activity
- Green electricity to use for charging EVs





# FROM LINEAR TO CIRCULAR: GIVING PLASTIC WASTE A NEW LIFE THROUGH RECYCLING AND COMPOUNDING

## **Current status**

## **Ongoing developments**

## **40 KTPA CAPACITY**

With the acquisitions of German recyclate-based compunder, AURORA and Hungary's leading plastic recycler, REMAT



- Engineering plastics recompounds
- PP recompounds
- LDPE/LLDPE recyclates



0

Recyclate-based HDPE solutions for automotive, flexible- and rigid packaging, appliances & furniture sectors

## STRATEGIC PARTNERSHIPS

With APK for solvent-based recycling with Meraxis for recyclate-based polyolefin compounds



## CAPACITY SCALE-UP

Further organic and inorganic developments, including waste-tochemicals integration to reach 100+ ktpa capacity target

### WASTE FEEDSTOCK

Integration of Hungarian municipal solid waste into recycling operations



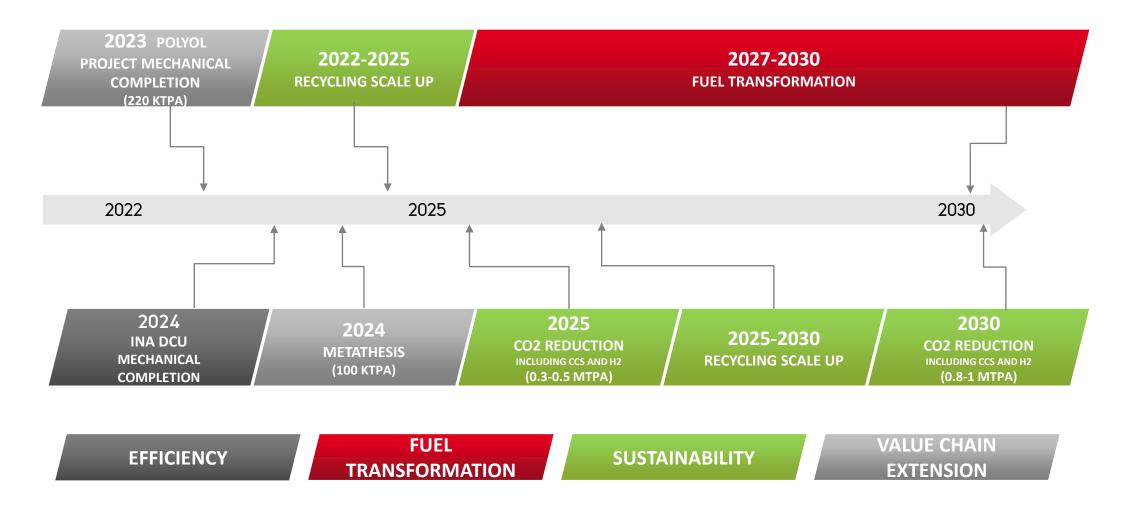
## PRODUCT DEVELOPMENT

Customized solutions addressing our customers' new challenges, e.g. the Packaging and Packaging Waste Directive



# **MODULAR TRANSFORMATION – INDICATIVE ROADMAP**

RETAINING A LEADING POSITION AND GENERATE ATTRACTIVE RETURN IN THE 2020S WHILE TRANSFORMING





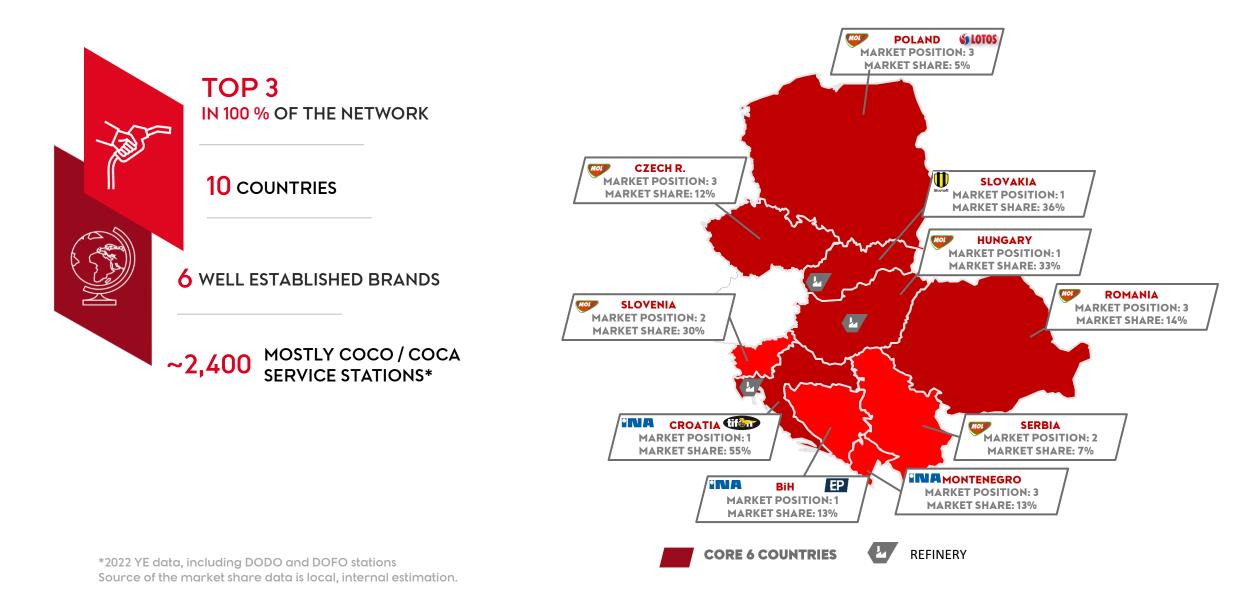
# **CONSUMER SERVICES**







# A LEADING REGIONAL NETWORK



# BECOME A DIGITALLY-DRIVEN CONSUMER GOODS RETAILER AND INTEGRATED, COMPLEX MOBILITY SERVICE PROVIDER BY 2030



Regional leader in fuel and convenience retailing

- Organic expansion of the network in existing and potential new markets in CEE
- Increase premium fuel penetration and maintain market share
- Expand alternative fuel portfolio
- Strengthen the food and convenience offerings by building on our FMCG capabilities



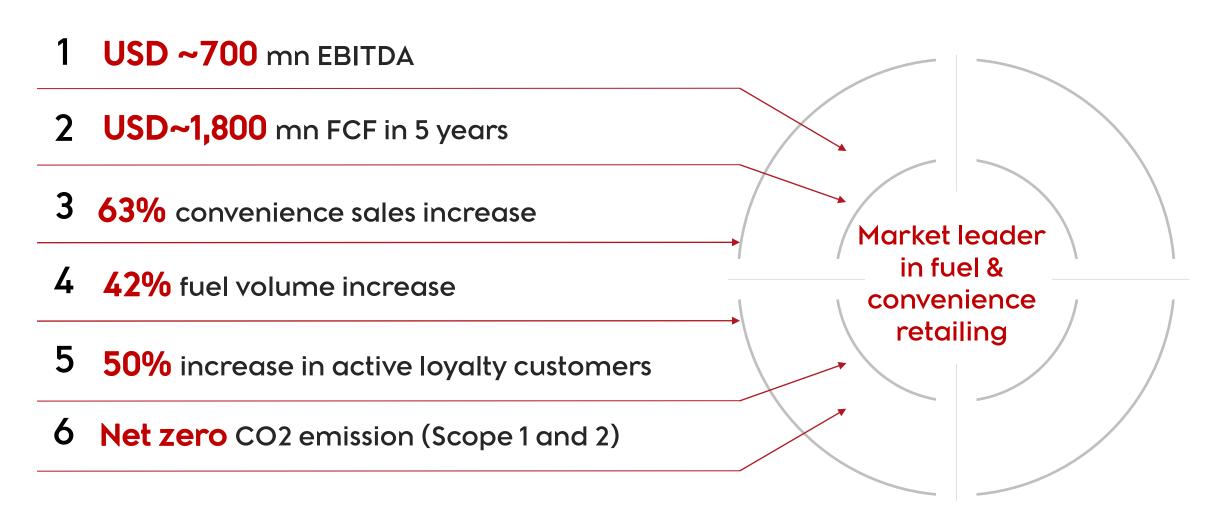
- Strong standardization and digitalization of processes
- Optimization of OPEX, supply chain and stock management
- Data-driven operations and digital execution



- sales channels
- Customer activation via new digital loyalty rewards program
- Focus on exploiting synergies by bringing retail and mobility customers onto the same platform
- Establishing an e-commerce platform
- Roll-out of standalone Fresh Corner Café concept and become a multibrand franchisor

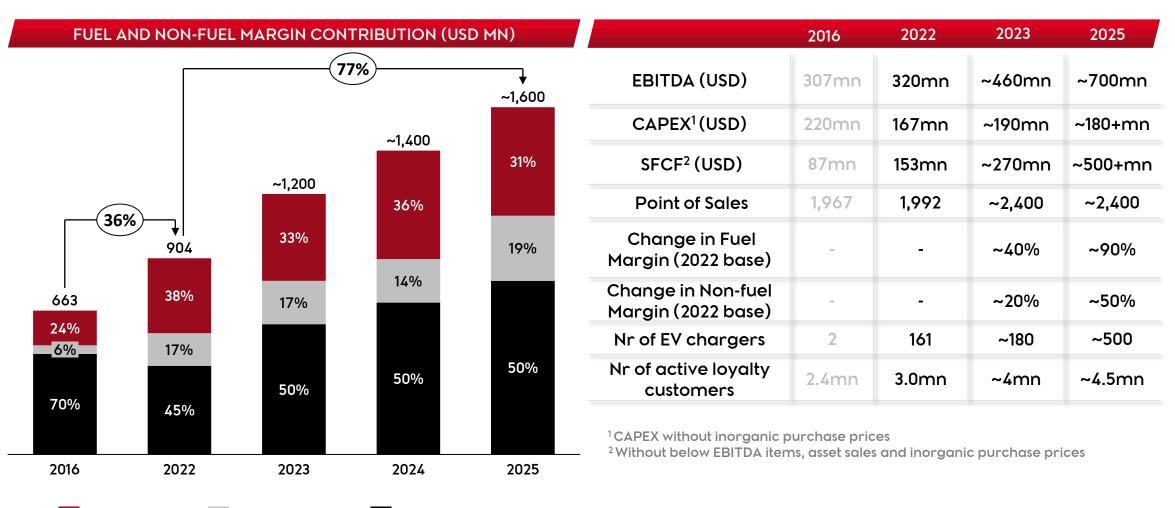
CONTINUOUS INTEGRATION OF SUSTAINABILITY OBJECTIVES TO BECOME CARBON NEUTRAL BY 2030

# **CEE MARKET LEADER IN FUEL & CONVENIENCE RETAILING**



# CONSUMER SERVICES WILL REACH USD ~700 MN EBITDA BY 2025

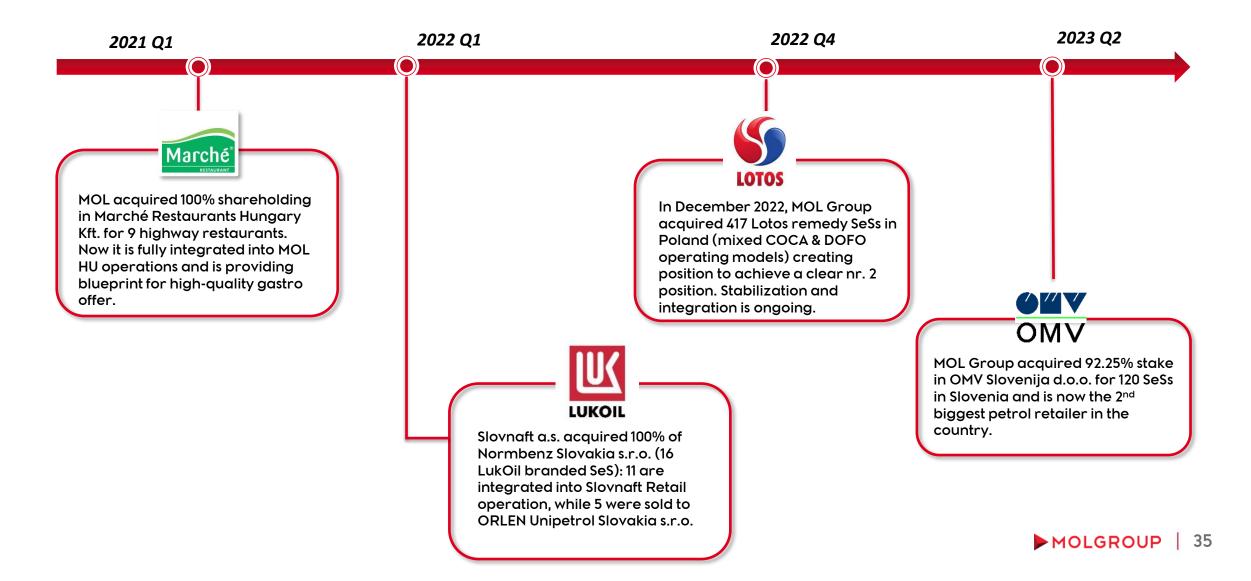
TOTAL GROSS MARGIN TO GROW BY AROUND 75% FROM A 2022 BASE



Nonfuel Margin 📃 Premium Margin 🔜 Maingrade Margin

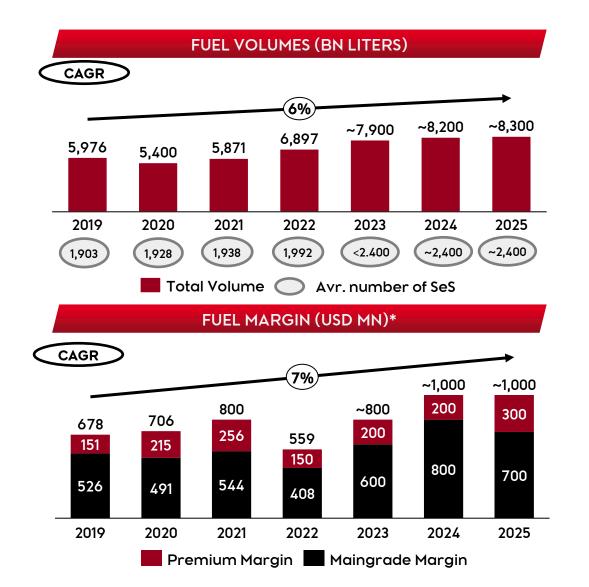
# SIGNIFICANT PROGRESS MADE IN NETWORK EXPANSION SINCE 2021

**ACQUIRING 500+ STATIONS IN THE REGION** 



# STRENGTHENING CEE LEADERSHIP IN FOSSIL FUEL RETAILING

THROUGH EXPANDING NETWORK COVERAGE AND PORTFOLIO UPGRADE



## STRENGTHENING LEADING POSITION IN CEE

- Strengthened regional market-leading position through maintaining market share
- Quality upgrade of main and premium grades and ensure the availability of the whole fuel portfolio in each country
- Expansion of service station network in existing and potential new markets in CEE (~2,400 by 2025)
- Strong marketing activities to boost premium penetration (volume) from 19% in 2020 to ~30% of the total by 2030
- Utilization of the strong B2B customer base to support future B2B2C integration

## EXPANDING THE ALTERNATIVE FUEL PORTFOLIO

TO COMPENSATE THE SHRINKING OPPORTUNITIES IN FOSSIL FUELS BEYOND 2025

### 2016-2020 Foundations in EVcharging



- Capability and knowledge building in the e-mobility sector
- Close to 180 EV-chargers were installed in the region
- MOL Plugee brand and application were introduced for seamless customer experience



2021-2025 Accelerating growth and pilots



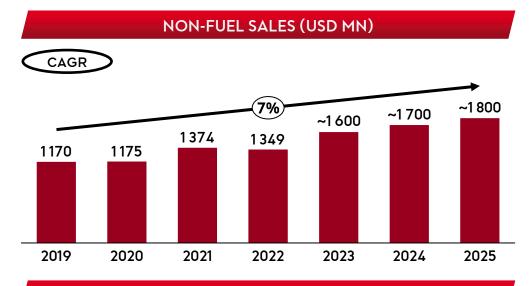
Beyond 2025 Step change



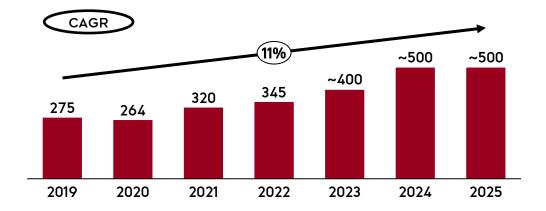
- Build additional presence in the region to increase network density
- Improve services and business model and grow customer base
- Pilot projects in the field of hydrogen fuel-cell based transport

- Significant investments in EVchargers and connected services to be the market leader
- Expected uptake in hydrogen fuelcell vehicles, mainly in public transport and long-haul freight

### FURTHER DEVELOPMENT IN FOOD AND CONVENIENCE OFFERINGS BY BUILDING ON OUR OWN FMCG CAPABILITIES



NON-FUEL MARGIN (USD MN)



### **IMPROVING FMCG CAPABILITIES**

- Increase gross margin contribution of consumer goods to 35% and improve unit margin to reach 25% by 2025 driven by finalizing the Fresh Corner roll-out
- Standardization of methods, processes and assets
- Optimization of OPEX, supply chain and stock management
- Strengthen and standardize the gastro and grocery portfolio
- Expand the own branded product range with high unit margin expectation
- Fresh Corner roll-out: about 2/3 of the SeSs will be Fresh Corner by 2025

## DIVERSIFICATION OF SALES CHANNELS

THROUGH DIGITAL TRANSFORMATION AND FRANCHISE OPERATION

2016-2020 Digital and data-driven operation



- Supporting traditional loyalty programs with data analytics, improved campaign management and new digital channels (e.g. MOL Go app)
- Establishment of a new digital loyalty rewards program (already introduced in Croatia, Slovenia and Hungary)
- Strengthening digital execution with online, gamified learning and sales manager tool to boost sales





- Start personalizing retail customers' journeys through the new Digital Loyalty program
- Focus on exploiting additional MOL Group synergies (e.g.: retail network and customers)
- New digital payment solutions to improve on-site customer experience





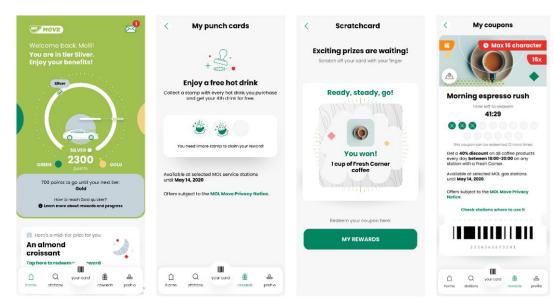
- Integrate retail and mobility to sell km instead of liters
- E-Commerce: new, convenient online sales channel & marketplace
- Roll-out of standalone Fresh Corner Café concept in a franchise model
- Become a multi-brand franchisor by entering different segments

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## NEW DIGITAL LOYALTY REWARDS PROGRAM EXPANSION

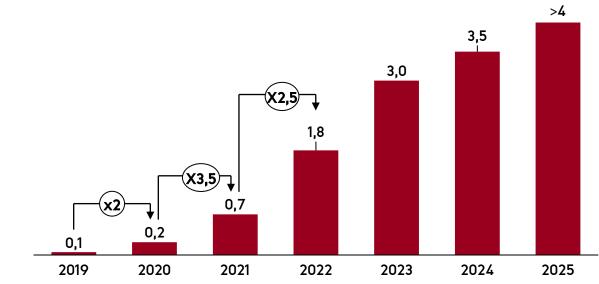
DRIVE TRANSFORMATION FROM PHYSICAL LOYALTY CARDS TO MOBILE APPS

### MOL MOVE



- Successful launches in Croatia (2020), Slovenia (2021) and Hungary (2022)
- MOL MOVE won Gold award at the global Loyalty360 Loyalty Expo in Incentive and Reward Design category
- Accelerated geographical expansion is under way

### MOBILE APP DOWNLOADS (MN, GROUP-LEVEL)



- 2022 target overdelivered due to higher performance of new loyalty program
- We expect to reach original 2025 target of 3mn mobile app downloads already in 2023
- By 2025, total non-fuel margin uplift to be generated: USD 50mn p.a. beside continuously reducing operating costs per user

## MOBILITY SERVICES TO GROW FURTHER

AND EXPLOIT SYNERGIES THROUGH DIGITAL PLATFORMS

### 2016-2020 Start and capability building



- Capabilities built in B2C and B2B customer brands
- Focus on increasing synergies among mobility businesses:
- 600 mn+ already sold kilometres
- ~6.000 fleet cars
- ~100.000 car sharing users
- ~2500+ shared bikes







- Building synergies between existing mobility capabilities and introducing new services
- Lay the foundation of a digital ecosystem in which MOL Group's mobility services and additional solutions are interconnected

Beyond 2025 Step change



- Offering seamless, digitally integrated platform-based solutions for multimodal transportation
- Active tracking of potential businesses related to autonomous vehicles and transportation methods



## SUSTAINABILITY GOALS

Carbon neutrality by 2030: renewable energy to cover the consumption of the service station network, including the EV chargers

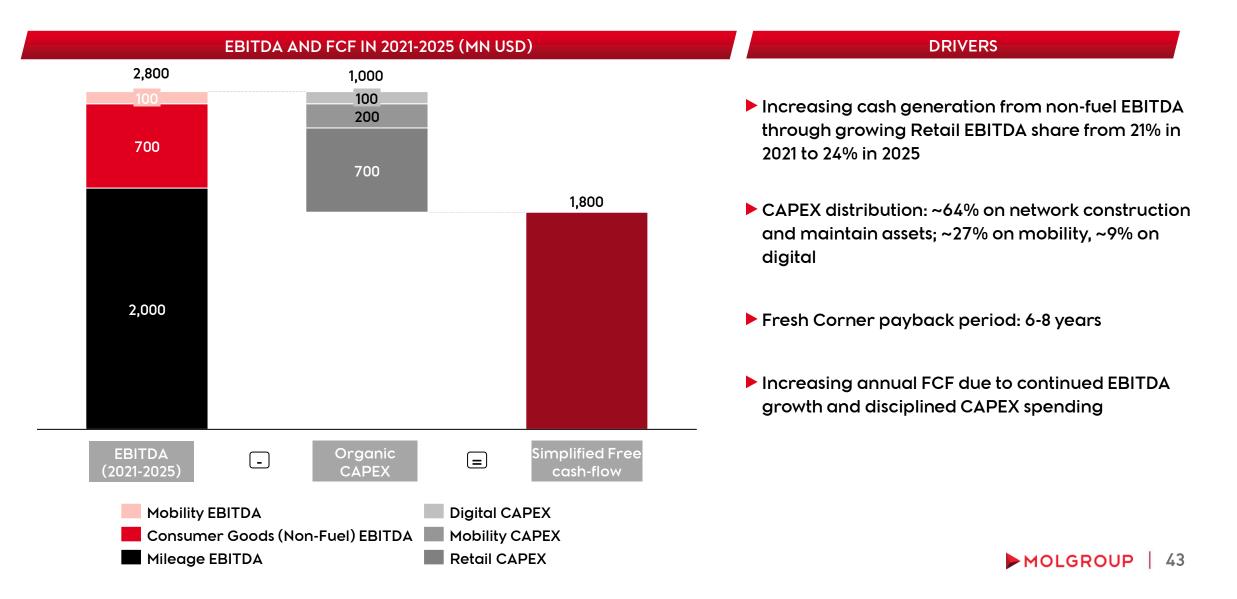
Conscious waste management

Extensive use of recyclable materials (e.g. coffee cups) at Service Stations



## ~USD 1.8BN SIMPLIFIED FCF IN 2021-25

### **RISING EBITDA TO YIELD HIGHER SIMPLIFIED FREE CASH FLOW IN 2021-2025**



## EXPLORATION AND PRODUCTION







## 348 MMBOE 2P RESERVES AND ~87 MBOEPD PRODUCTION

#### CEE

Reserves: 139.7 MMboe Production: 54.4 mboepd

HUNGARY Reserves: 57.1 MMboe Production: 33.1 mboepd

CROATIA
 Reserves: 82.6 MMboe
 Production: 21.3 mboepd

o/w offshore
 Reserves: 7.2 MMboe
 Production: 3.3 mboepd



### INTERNATIONAL

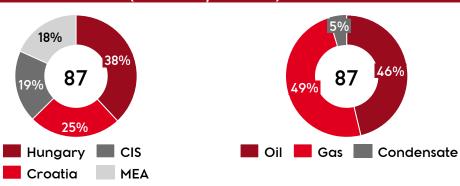
Reserves: 208.5 MMboe Production: 32.5 mboepd

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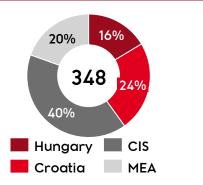
Reserves: 140.7 MMboe Production: 16.6 mboepd

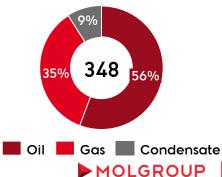
### MEA Reserves: 67.8 MMboe Production: 15.9 mboepd

#### PRODUCTION BY COUNTRIES AND PRODUCTS (MBOEPD; Q3 2023)



#### RESERVES BREAKDOWN BY COUNTRIES AND PRODUCTS (MMBOE; YE 2022)



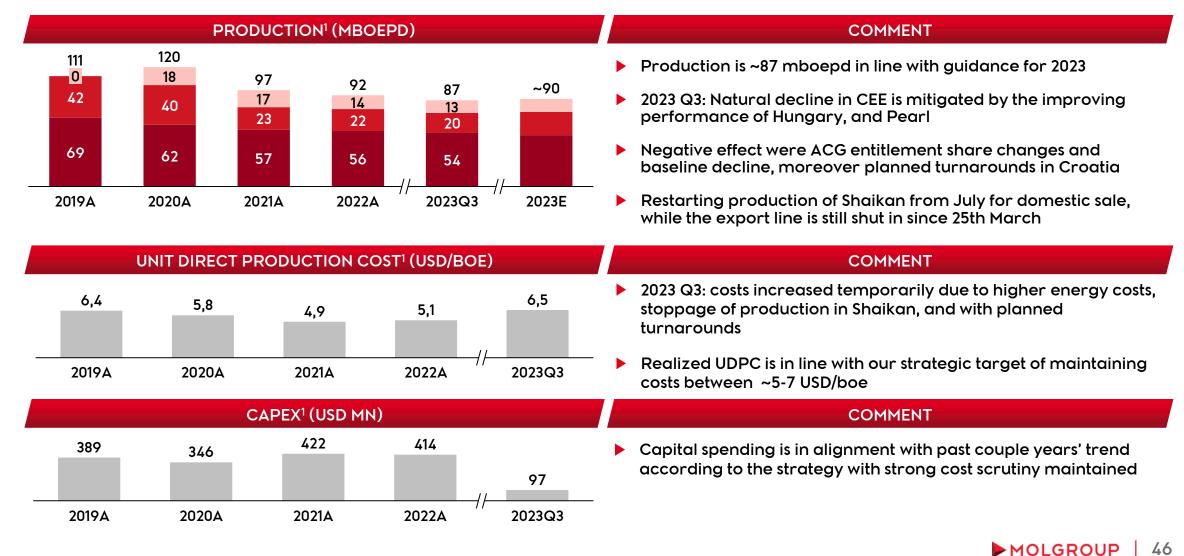


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Notes: Group production figures include consolidated assets, JVs (Baitex in Russia, 3.9 mboepd) and associates (Pearl in the KRI, 6.0 mboepd).

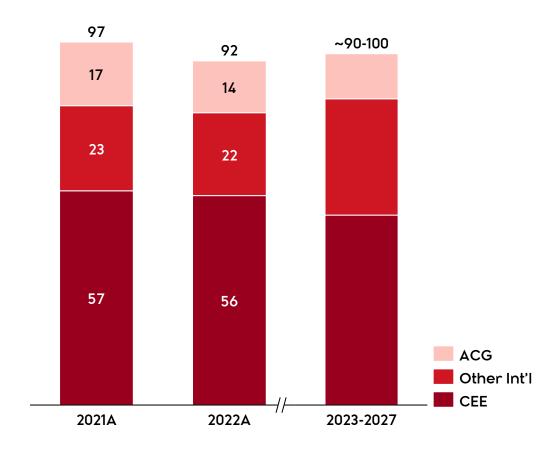
## ~87 MBOEPD, DELIVERED IN LINE WITH GUIDANCE FOR 2023

ACG 📕 E&P International excl. ACG 📕 CEE



## PRODUCTION GUIDANCE AT ~90-100 MBOEPD FOR 2023-2027

### 2023-2027 PRODUCTION GUIDANCE<sup>1</sup> (MBOEPD)



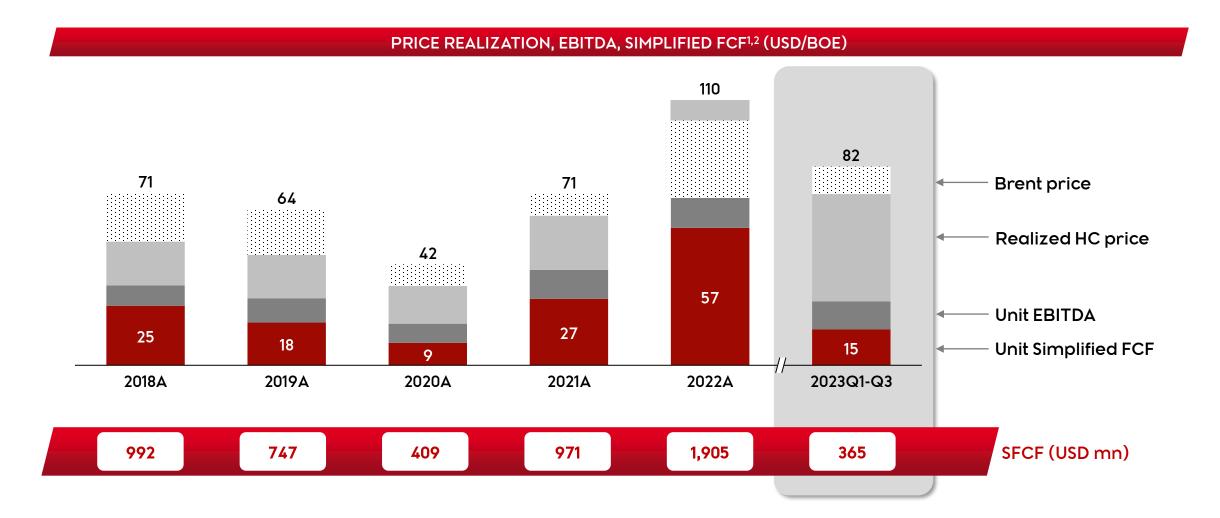
### CEE – WE HAVE TO RUN FAST TO STAND STILL

- Production Optimization and efficiency measures to mitigate baseline decline
- Focus on field development next to active exploration
- Surface facility simplification and cross-border projects
- Offshore development program in Croatia

### INTERNATIONAL E&P - IMPROVE QUALITY AND CASH GENERATION

- Opportunistic portfolio management persists
- Additional volumes to be realized from development programs in Kazakhstan
- Deliver ACE project on time and within budget
- Strong and stable contribution beyond 2027 at very low unit cost

## UNIT FREE CASH FLOW AT 15 USD/BBL IN Q1-Q3 2023



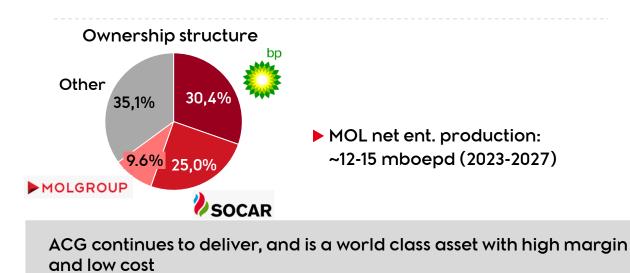
1 Simplified free cash flow = EBITDA less Organic CAPEX; Norway tax refund effect excluded; Entitlement production basis; figures include equity assets and ACG/BTC contribution from 16<sup>th</sup> April 2020 2 Breakdown of price realization and SFCF figures exclude results of discontinued operations, as of 01.01.2021. MOLGROUP | 48

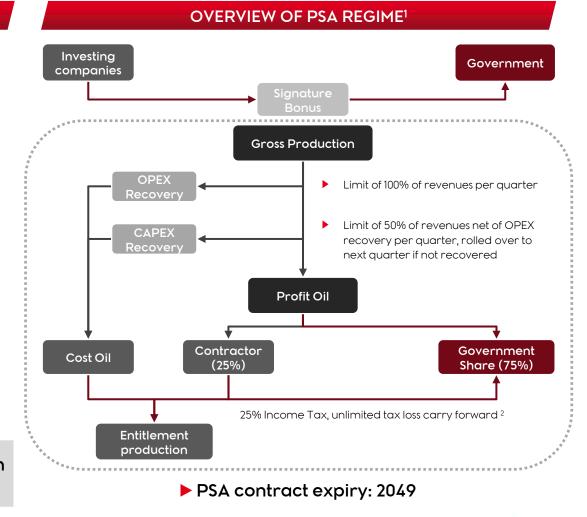
## **ACG: STRONG CONTRIBUTION CONTINUES IN 2023**

### 2023 Q1-Q3 PERFORMANCE AND ASSET SUMMARY

### 367 mboepd (gross)

- Very strong cash generation on the back of high oil prices
- Major milestones on ACE project (7th production platform) achieved in progress towards First Oil beginning of 2024: ACE Topsides installed onto the jacket at its permanent location in August





## E&P VISION: NET ZERO BY 2030, OPPORTUNISTIC APPROACH IN INTERNATIONAL E&P AND MANAGED DECLINE IN CEE

### **CLIMATE STRATEGY**



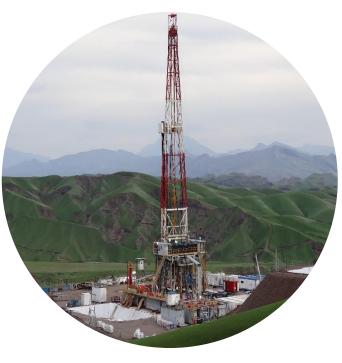
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CEE

- Net-zero until 2030 (Scope 1 and Scope 2)
- EOR opportunities and CCUS pilot project

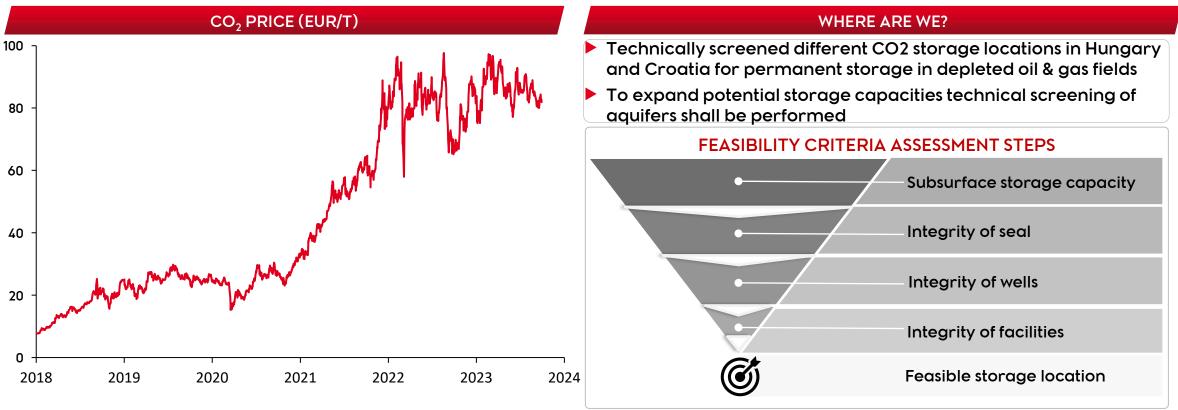
- Transform the largest Pannonian oil and gas producer into the largest Pannonian player in CO<sub>2</sub> storage
- Operate CEE in the most efficient and productive way possible

### INTERNATIONAL (INCLUDING ACG)



- Further improve quality and cashdelivery of international E&P
- Limited inorganic M&A
- Selective approach to organic exploration & growth opportunities

## **CCUS PROJECTS SUPPORTING OUR NET ZERO ASPIRATION**



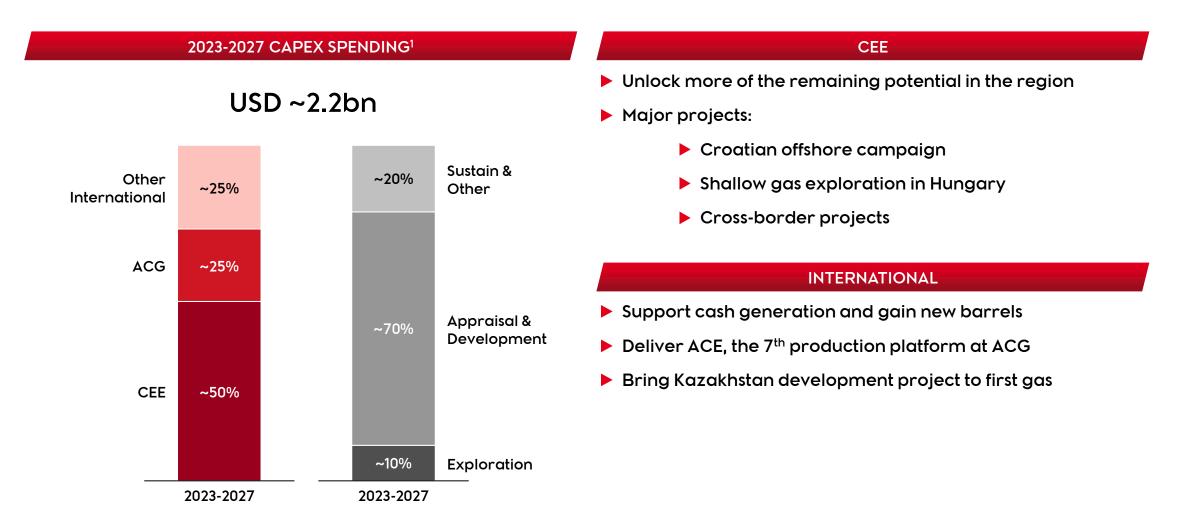
- Accelerated energy transition ambition steered by EU regulations 
  Assessment of different options ongoing:
- EU CO2 price volatile in the last 12 months; reaching 100 EUR/t in February 2023
- Energy market normalization

Permanent CO<sub>2</sub> storage capacity becoming an asset in mid term

- East Hungary feasibility assessment for MOL MPK
- South Hungary & Croatia 3rd party<sup>1</sup> opportunities

Leverage decades of expertise in injecting CO<sub>2</sub>, and create value through permanently storing CO<sub>2</sub>

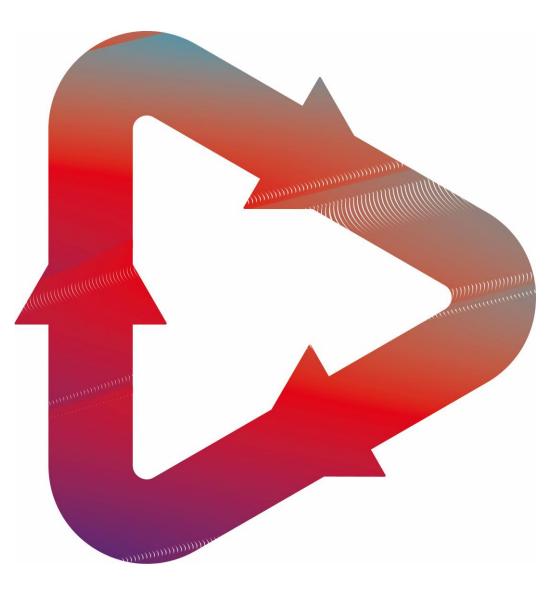
### USD ~2.2BN CAPEX TO BE SPENT IN 2023-2027



52

▶ MOLGROUP

## **WASTE MANAGEMENT**







# MOL TAKES SIGNIFICANT STEP TOWARDS EXPANDING IN CIRCULAR ECONOMY

### HIGHLIGHTS OF THE RECENTLY AWARDED WASTE MANAGEMENT CONCESSION



- MOL will be responsible as a single licensor for the collection of close to 5 mn tonnes of municipal solid waste and will also ensure waste pre-treatment
- Concession covers a period of 35 years in Hungary as of July 2023



- Fragmented operations in ring-fenced regions provide efficiency improvement potential of the existing system
- Minimising landfill waste whilst increasing recycling and waste-to-energy



- Commitment to invest and develop the existing system and establish waste-to-energy generation capacities
- Scalable investment opportunity with the potential to contribute towards achieving USD 1bn CAPEX ambition into circular economy in the 2022-26 period in line MOL 2030+ strategy
- Cost based compensation to cover main expenses, sales from recyclable materials provides upside

### THE CONCESSION IS EXPECTED TO COVER ~5 MN TONNES OF WASTE AND THE WHOLE TERRITORY OF HUNGARY

COMPOSITION OF WASTE BY SOURCE (HUNGARY, 2019) Total waste: 20 mn tons 13% 35% **MOL'S SCOPE :** 18% 4.7 mn tons (mainly municipal solid 27% waste) Construction and demolition waste Municipal liquid waste

Industrial waste Municipal solid waste (MSW)

Hazardous waste Agricultural and food waste

### FRAGMENTED OPERATION IN RING-FENCED REGIONS



26 services providers operating independently

Lack of synergies as a result of fragmented municipal waste management operations

## EFFICIENCY GAINS AND MINIMIZING LANDFILL PROVIDE SIGNIFICANT IMPROVEMENT POTENTIAL

### CURRENT WASTE MANAGEMENT SYSTEM



Low coverage of waste transfer stations
 Current utilization is cca. 50%

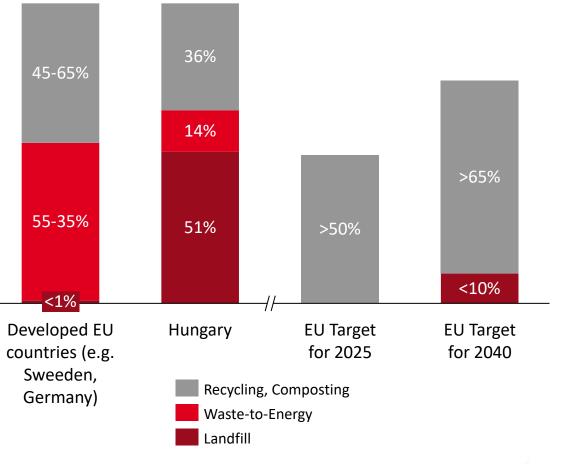


- Oversized capacities
  - Facility network operates at 40% utilization



- Fleet utilization is suboptimal
  - 60% utilization
- Lack of funding, strategy and systematic approach
- Inconsistent incentives

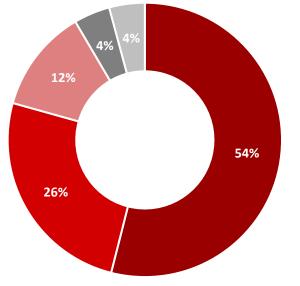
### MUNICIPAL WASTE HANDLING IN THE EU



## 2023 WORK PLAN FOCUSES ON DEPOSIT REFUND SYSTEM ROLL-OUT

### **10 YEARS INVESTMENT PLAN**

In line with MOL group's strategy and concession requirement, significant, 600 - 800 million USD investment is expected in the following 10 years.



Development of facilities

- Establishment of the national deposit refund system
- Waste collecting containers and the related identification system
- Development of waste collection vehicle infrastructure
- IT developments

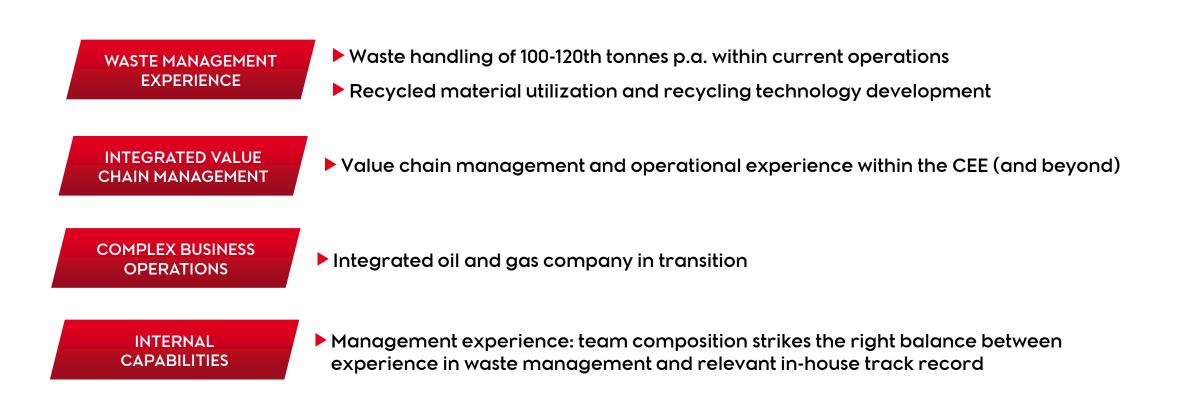
### 2023 FOCUS AREAS

- Main focus to prepare for starting deposit refund system (DRS) – discussion with 10 retail chains, install 3000+ machines
- DRS introduction is essential to meet 77% (2025), and later 90%-os (2029) PET recovery EU obligation



Purchase and installation of 100 000+ separate collection containers

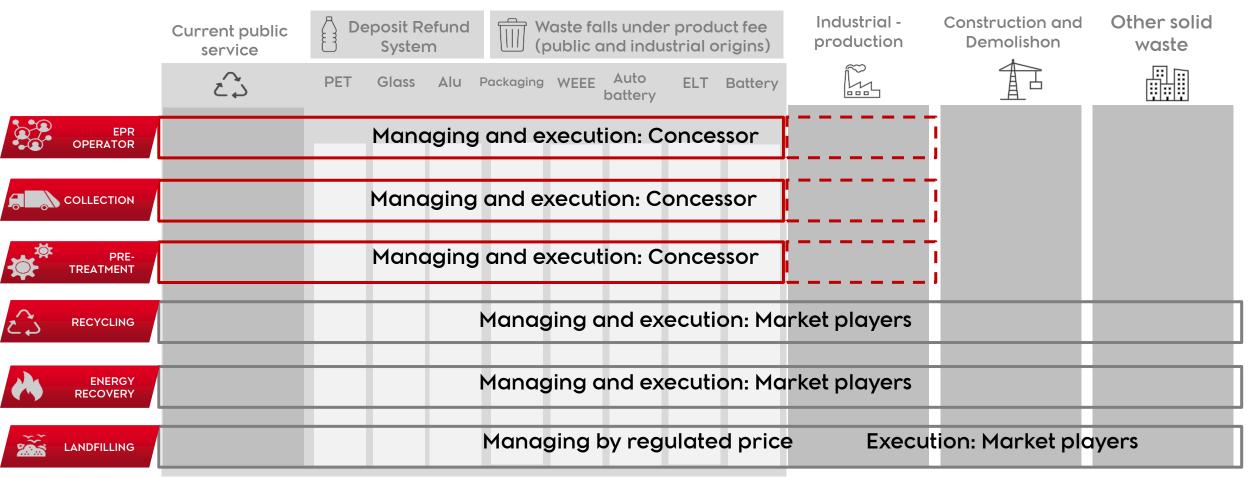
## UNIQUE CAPABILITES TO SUPPORT SUCESSFULL IMPLEMENTATION



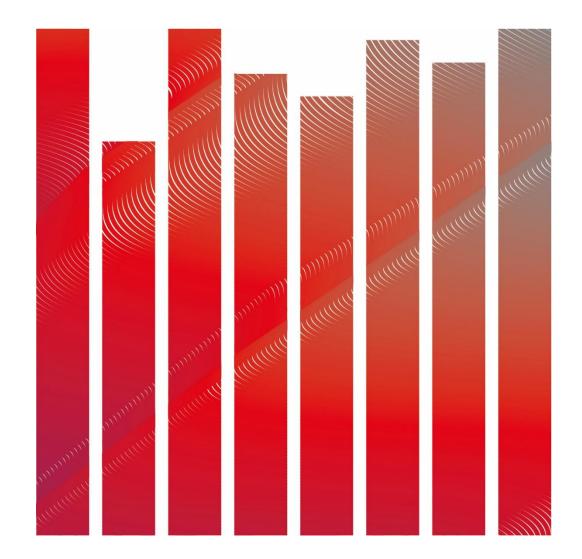


### **INTEGRATED WASTE MANAGEMENT CONCESSION** EXTENDED SERVICE SCOPE WITH MANAGING ROLE IN THE WHOLE VALUE CHAIN

### **Extended Public Service**



## FINANCIALS, GOVERNANCE AND OTHERS







## CLEAN CCS EBITDA EXPECTED APPROXIMATELY USD 2.8 BN IN FY 2023

### ALL OTHER ANNUAL GUIDANCE REITERATED

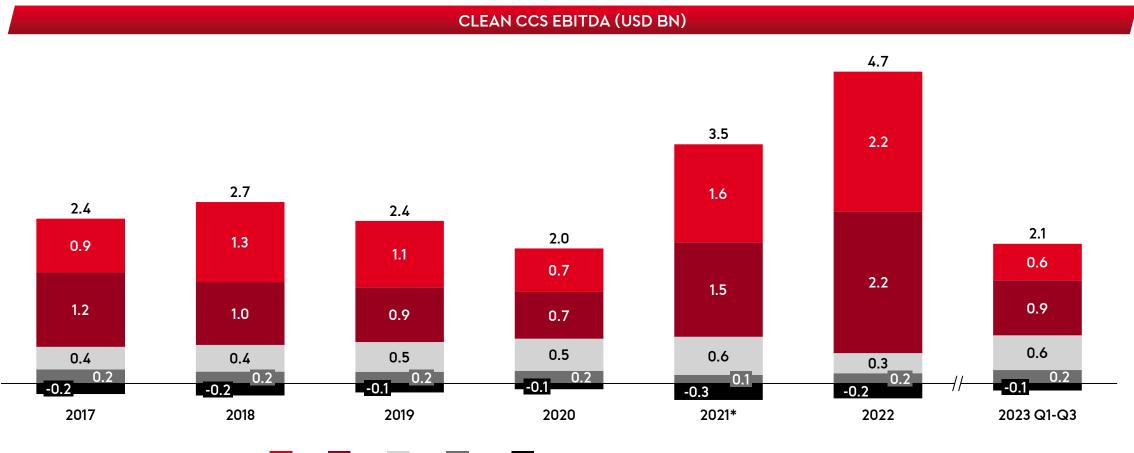


1 Continuing operations. i.e. excluding UK 2 MOL Danube Refinery + Slovnaft refinery 3 Total Recordable Injury Rate

MOLGROUP | 61

## STRONG PERFORMANCE DESPITE REGULATORY HEADWINDS

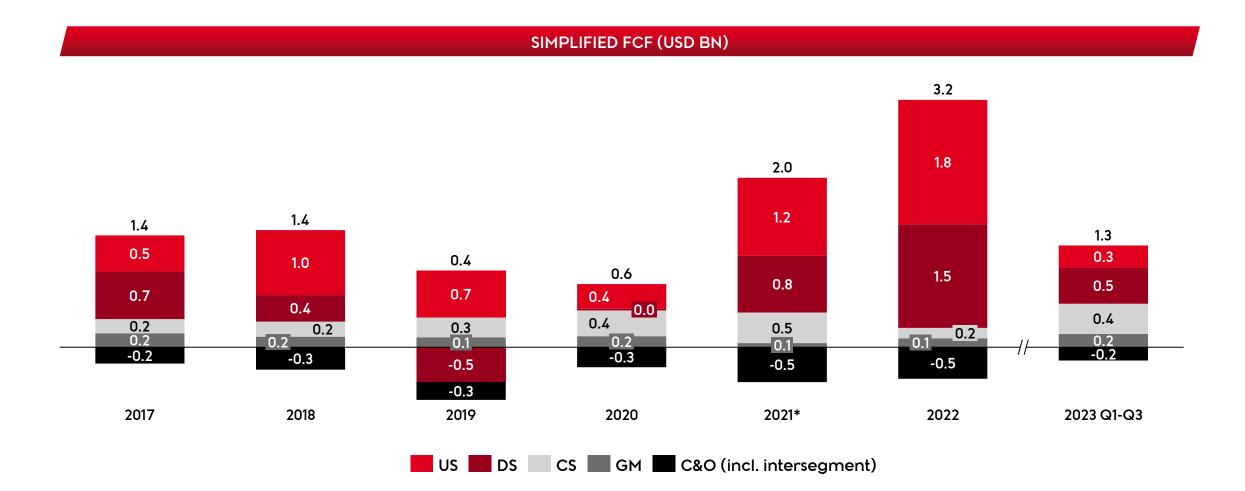
UPSTREAM, DOWNSTREAM, AND CONSUMER SERVICES ALL CONTRIBUTE SIGNIFICANTLY



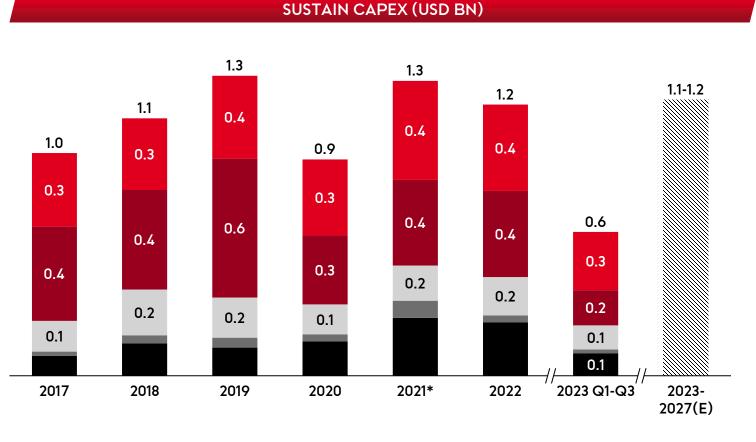
US DS CS GM C&O (incl. intersegment)

## **CONSISTENT SIMPLIFIED FCF GENERATION**

FUNDING SUSTAIN AND TRANSFORMATIONAL PROJECTS



## SUSTAIN CAPEX EXPECTED TO FLUCTUATE BETWEEN USD 1.1-1.2BN IN 2023-27



US DS CS GM C&O (incl. intersegment)

#### COMMENTS

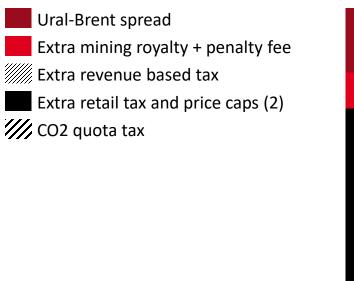
- 2023-27 sustain CAPEX is expected to be largely in line with 2018-22 spending (excl. the 2020 COVID year)
- Elevated government take triggering cautious approach in 2023
- Sustain CAPEX mainly consists of:
  - Maintenance, efficiency related and supply diversification in DS
  - Development and maintenance in US
  - Investments into the fuel network and non-fuel in Consumer Services

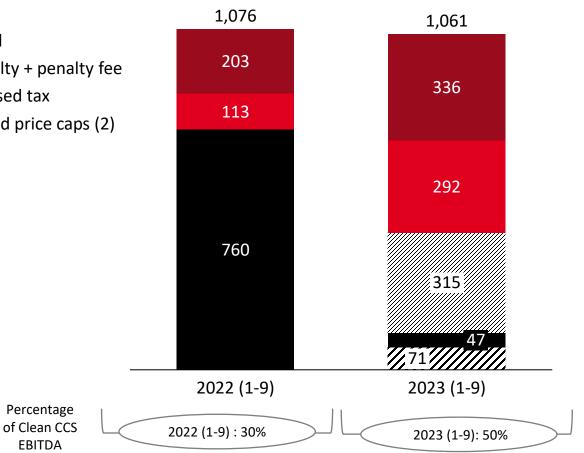


## GOVERNMENT TAKE CONTINUES TO HAVE SIGNIFICANT EFFECT

**PROPORTIONAL EXTRA BURDEN WELL ABOVE 2022 LEVELS IN 2023** 

### EXTRA GOVERNMENT TAKE<sup>1</sup> (USD MN)





### COMMENTS

- Government take amounts to half of EBITDA in 2023 YTD, above 2022 levels
- New CO2 tax introduced in Hungary retrospectively from 1 January 2023
  - Estimated full impact ca. USD 100mn p.a.
  - In 2023, tax calculated for Q1-Q3 of USD 71mn to Q3 results
- Royalty rates in Hungary to decrease
  - Lower royalty rates apply retroactively from 1 September 2023 but September gain is to impact Q4 and not Q3
- Other levies unchanged in Q3 2023 and point towards normalisation in 2024, albeit the risk of unfavourable change In taxation remains high

1 The chart shows the extra tax burdens compared to 2021 regulatory regime.

2 Extra retail tax and price caps include the effects of: Hungarian extra retail tax, Hungarian wholesale & retail price cap, Croatian capped gas prices, Retail price caps. A change in methodology in calculating Hungarian retail tax and price cap effects in Hungary resulted in a downward adjustment since last quarterly report on 4 August 2023.

## USD 3-3.5BN STRATEGIC CAPEX BUDGETED FOR THE 2023-27 PERIOD

TO FUND TRANSFORMATION AND NEW, LOW-CARBON BUSINESSES

STRATE	GIC, GROWTH, TRANSFORMATIONAL CAPEX IN 2023-27	COMMENTS		
USD 3.0-3.5br				
Up to 1.0	Investments in new, low-carbon, circular economy businesses including waste management	Annual distribution of this capex pool may fluctuate along with project timelines, approvals		
Up to 2.5	Already running/approved strategic projects in Downstream (polyol, Rijeka delayed coker) Pre-FID strategic projects in Downstream for 2022-26, primarily aiming at fuel-to-chemicals transformation, diversification and sustainability Growth projects mainly in Downstream targeting extended margin capture (e.g.: methathesis)	Additional capex pool may be available to fund the low- carbon transition and/or M&A if excess cash is generated due to a stronger-than-assumed macro and financially attractive projects reach FID phase		

2022-26E

### FULLY FUNDED TRANSFORMATION AND BASE DIVIDENDS IN 2023-27 EVEN BELOW MID-CYCLE MACRO ENVIRONMENT

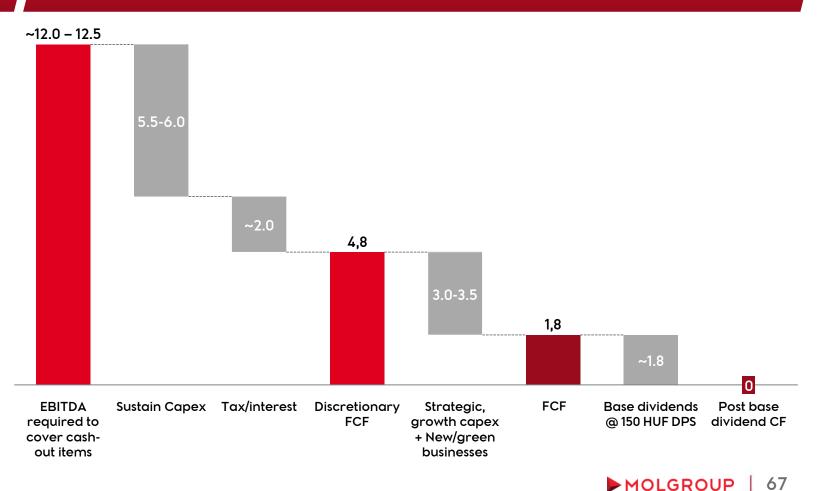
### MACRO DRIVERS REQUIRED TO REACH POST DIVIDEND CF BREAK-EVEN

### FINANCIAL FRAMEWORK ASSUMING CF BREAKEVEN (2023-27, USD BN)<sup>1,2</sup>



- Oil: ~50 USD/bbl
- Natural gas: ~20 EUR/MWh
- Refining margin: 4 USD/bbl
- (Original) integrated petrochemical margin: 400 EUR/t

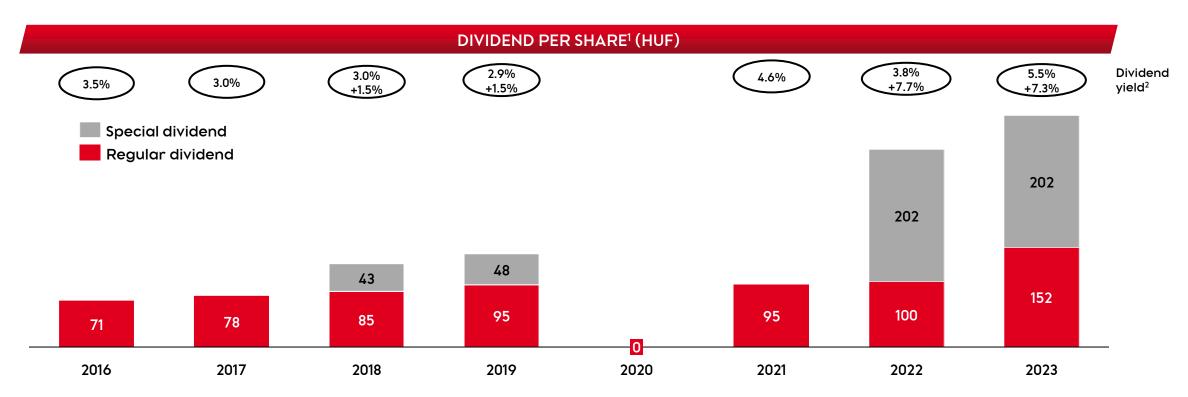
Representing values that would all be below 10-year averages



(2) Excluding the impact of price caps and windfall taxation

## BASE DIVIDEND INCREASED BY 50% IN ONE STEP IN 2023

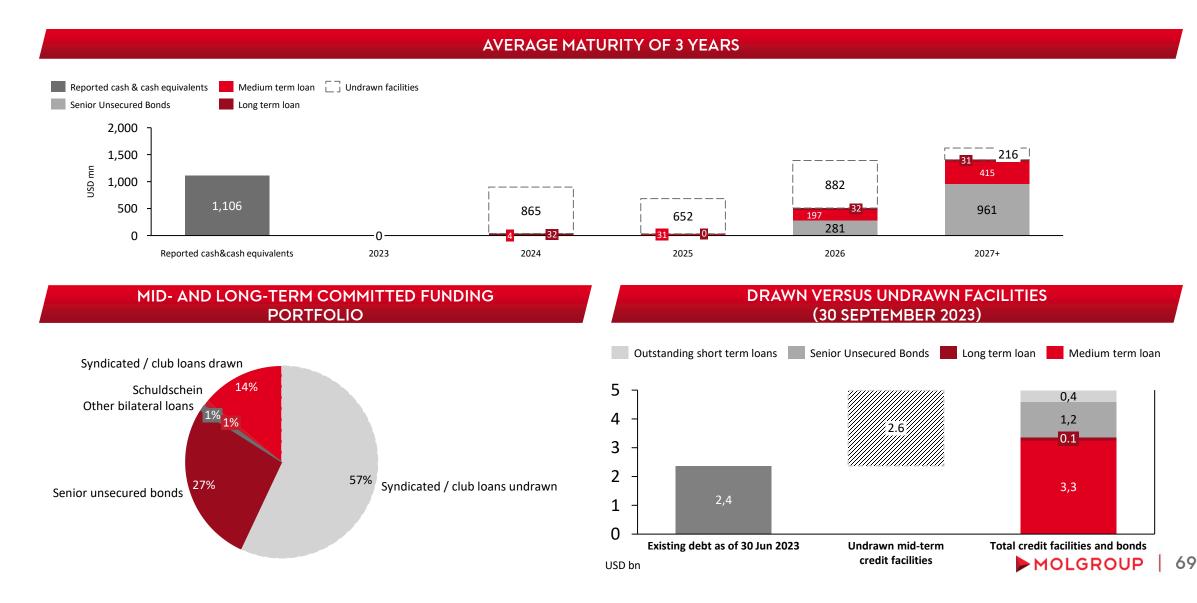
FOLLOWING SIZEABLE SPECIAL PAYOUTS IN 2018, 19, 22, 23



- Cash dividend remains the primary distribution channel
- Base dividend is expected to grow gradually
- Special dividend payments may continue if excess cash is generated and transition-related capex need is covered
- Special dividend in 2023: record high EBITDA and free cash flow in 2022 resulted in a special dividend pay-out of approximately HUF 200 per share

## AMPLE FINANCIAL HEADROOM

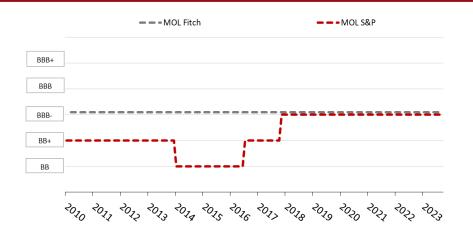
### FROM DIVERSIFIED FUNDING SOURCES



## FULL INVESTMENT GRADE RATING MAINTAINED

ROBUST BALANCE SHEET WITH AMPLE FINANCIAL HEADROOM

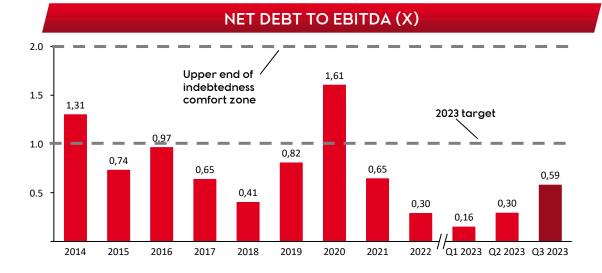
### HISTORICAL FOREIGN LONG TERM RATINGS



### COMMENTS

- In June 2023 Fitch revised outlook to stable from negative while reaffirming investment grade rating of BBB-
- In July 2023 Standard & Poor's performed annual review and made no changes to MOL's investment grade rating of BBB- with stable outlook

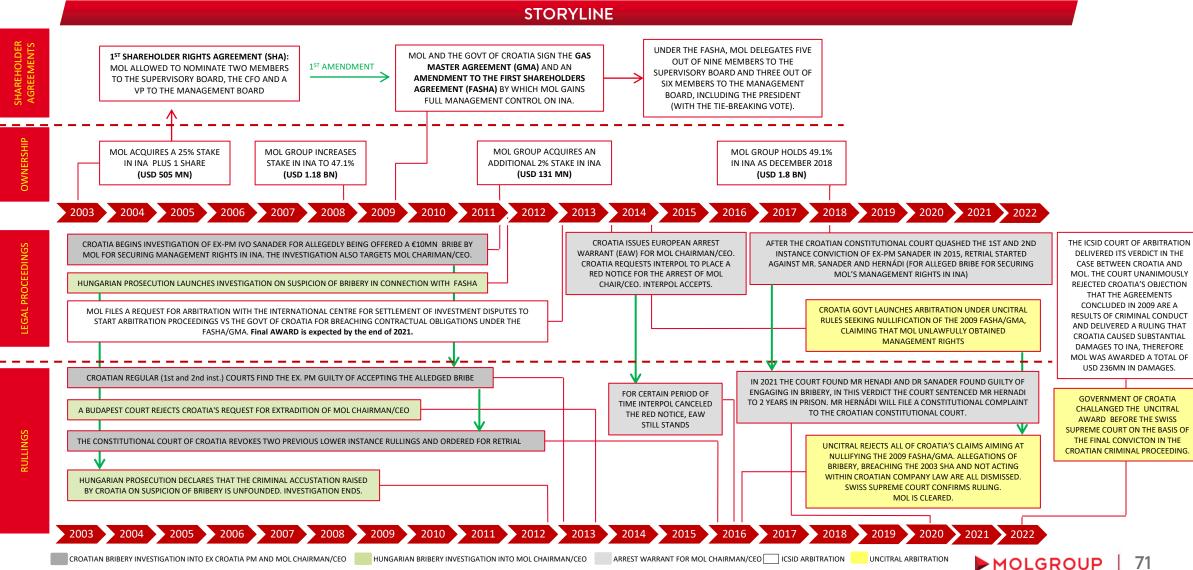
Note: S&P has been rating MOL since 2005, Fitch since 2010



### COMMENTS

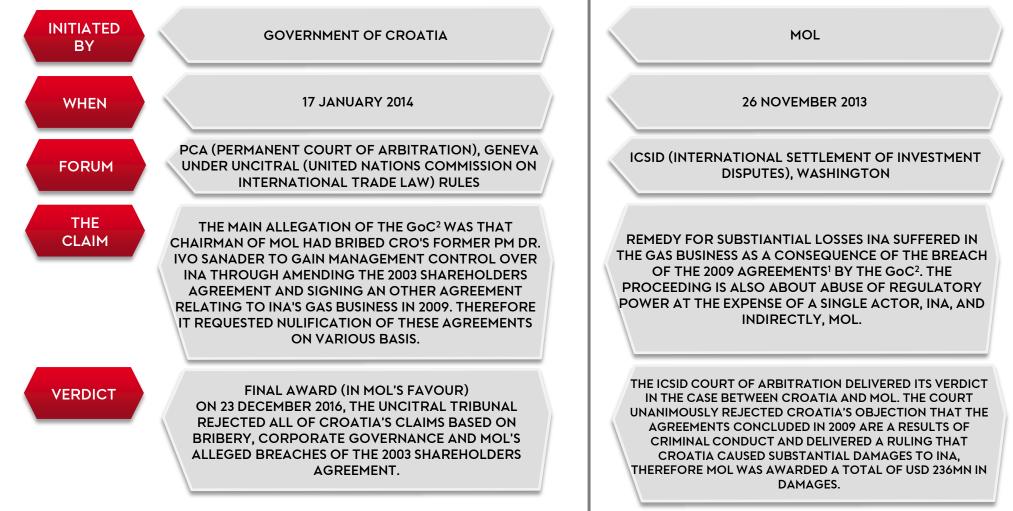
- Credit metrics shall remain commensurate with investment grade credit rating
- Following a temporary jump in 2021 leverage fell below pre-ACG acquisition levels on the back of strong 2021 CF generation
- Balance sheet flexibility may in the future again be used to grab new business opportunities (including funding M&A in all businesses)
   MOLGROUP | 70

## THE HISTORY OF INA & MOL, 2003-2022



## **MOL-CROATIA ARBITRATIONS**

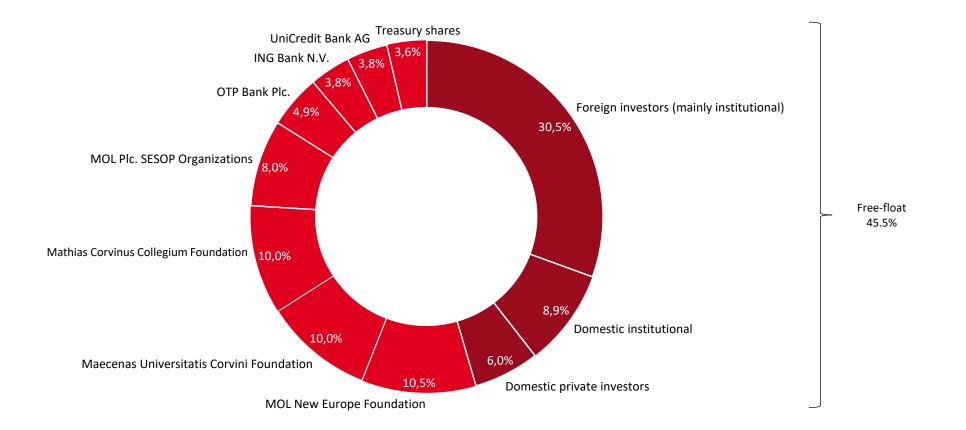
### UNCITRAL ARBITRATION (CROATIA VS. MOL)



**ICSID ARBITRATION** 

(MOL VS. CROATIA)

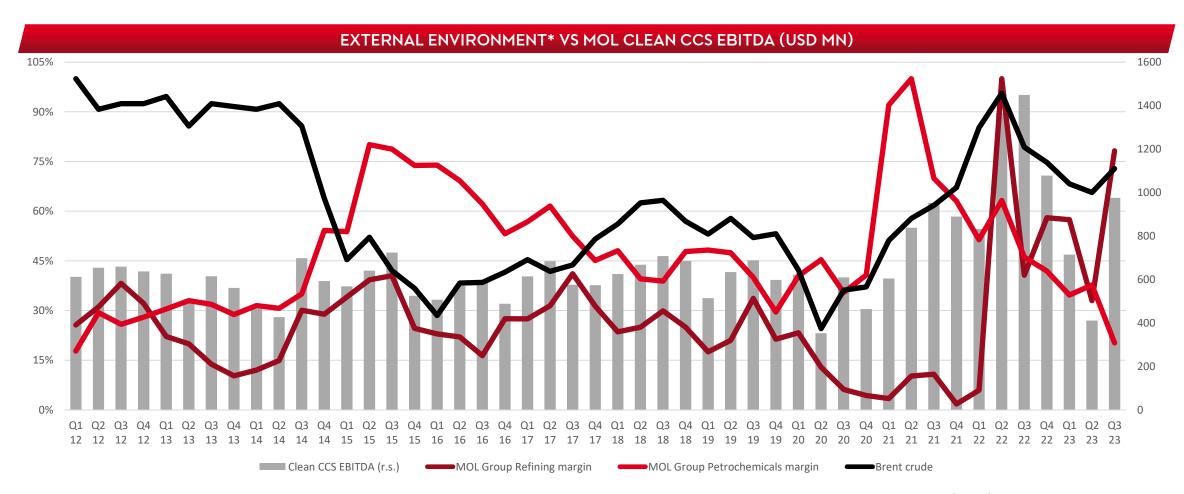
## SHAREHOLDER STRUCTURE<sup>1</sup>





## FAVOURABLE MACRO CONDITIONS IN PLACE IN 2022

BUT ADVERSE REGULATORY IMPACTS ARE NOT CAPTURED BY THE MACRO DRIVERS



\* The quarterly % values of the Refinery Margin, Petchem Margin and Brent price are measured against their respective maximum values (100%) in the period of Q1 2012 – Q2 2023

100% equals to the following values:

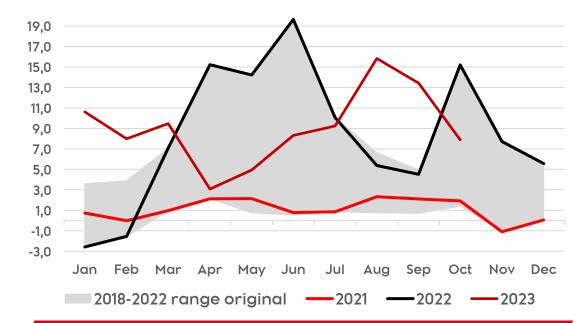
Brent-based Refining Margin: 16.4 USD/bbl; MOL Group Petrochemicals margin: 949.1 EUR/t; Brent crude: 119 USD/bbl

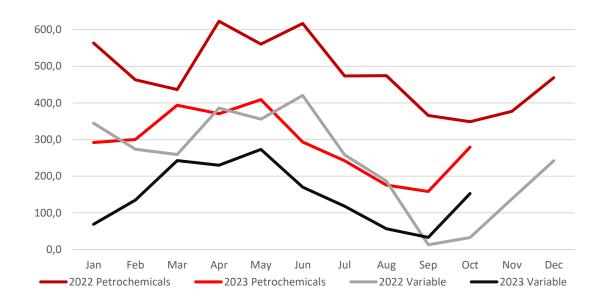
Represented for continuing operations, i.e. excluding UK

### MOL GROUP REFINERY AND PETCHEM MARGINS

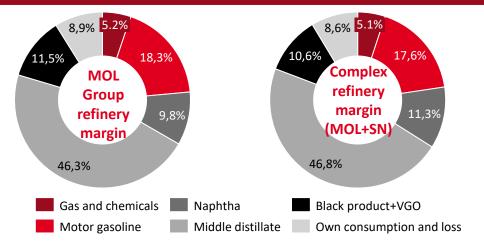
#### BRENT-BASED MOL GROUP REFINERY MARGIN<sup>1</sup> (USD/bbl)

#### PETROCHEMICALS MARGIN (EUR/t)<sup>(2)(3)</sup>

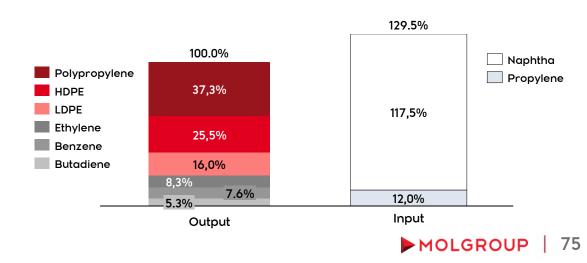




### **IMPLIED YIELDS**



### IMPLIED YIELDS AND FEEDSTOCK



(1) Based on weighted Solomon refinery yields, contains cost of purchased energy

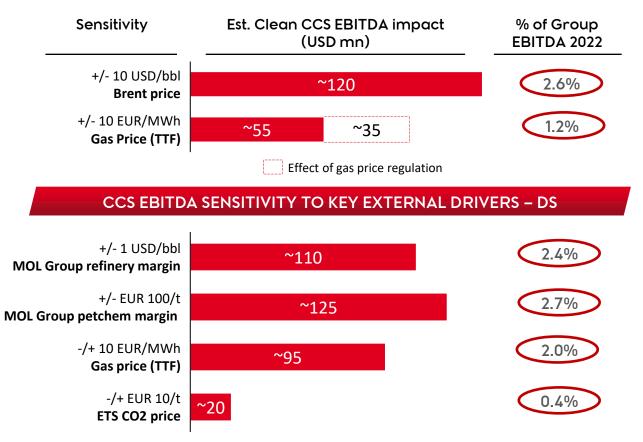
(2) MOL Group Petrochemicals Margin

(3) Variable MOL Group Petrochemical Margin which incorporates energy costs and CO2 quotas with higher weights

## EBITDA SENSITIVITIES VS 10 YEAR MACRO HISTORY

MACRO CONDITIONS						
	2020	2021	2022	10Y AVG		
Brent crude (USD/bbl)	42	71	101	71		
Natgas price (TTF 1M, EUR/MWh)	10	46	131	34		
MOL Group refinery margin (Brent based, USD/bbl)	1.9	1.3	9.0	4.1		
MOL Group petchem margin (EUR/t)	384	720	481	465		
ETS carbon price (EUR/t)	25	53	81	23		

### CCS EBITDA SENSITIVITY TO KEY EXTERNAL DRIVERS – E&P



Notes:

- Sensitivity calculated for 2022; ceteris paribus for current assets assuming full re-pricing of the portfolio; all other premises and volumes remain unchanged

- E&P: gas price sensitivity refers to directly spot gas linked portfolio

- DS : Refinery margin refers to original methodology, CO2 sensitivity assumes unchanged ETS quota allocation

## **TOP MANAGEMENT INCENTIVE SCHEMES**

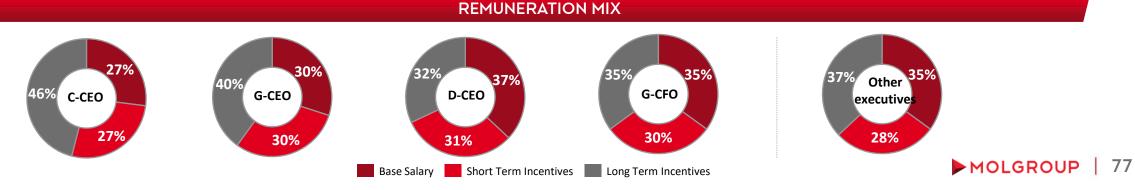
### FOR EXECUTIVE MEMBERS, AROUND 2/3 OF TOTAL REMUNERATION IS VARIABLE AND PERFORMANCE DRIVEN

#### SHORT-TERM INCENTIVES

- Bonus opportunity between 0.70x and 1x of annual base salary, depending on the level
- > Payout linked to yearly performance based on financial, operational and individual measures:
  - Financial measures: MOL Group level EBITDA and other relevant financial indicators such as efficiency, investment and cost-related indicators to achieve the 2030 strategic targets of MOL Group for Chief Executives' Committee members, on operative and financial measures reflecting annual priorities and the strategic direction of each business division within the framework of the Group's long-term strategy
  - Non-financial measures: Safety as a number one Group priority, TRIR, other MOL Group 2030 strategy and people related targets
- In MOL Hungary, managers can enter a voluntary short-term share ownership program instead of the regular performance management system (bonus scheme) to further strengthen the alignment between the interest of our shareholders

#### LONG-TERM INCENTIVE

- As of 1 January, 2021 a new, simple long-term incentive program, the Restricted Share Plan was launched replacing the former Absolute share value based and Relative market index-based plans
- It's a 3-year long plan, payment is in the 4th year, starts each year
- Base entitlement is defined MOL shares in line with management level
- The program is performance driven: base entitlement is multiplied by company performance (MOL Clean CCS EBITDA without threshold) and individual performance up to 150%) of the 1st year of the program
- > Dividend equivalent is also incorporated into the final remuneration taking closer the executives to the shareholders interests
- Generally, in MOL Hungary, payout of the incentive is MOL shares in order to further strengthen the alignment between the interest of our shareholders and MOL management.



We refer to the members of the Chief Executives' Committee and Management Committee as Executive Members

## GAS MIDSTREAM: STABLE CASH FLOW

GAS MIDSTREAM EBITDA (HUF BN, USD MN)

#### Q1-Q3

### **FACTS & FIGURES**

- Domestic natural gas transmission system operator
- Regulated business (asset base and return) with continuous regulatory scrutiny
- Nearly 6,000km pipeline system in Hungary
- Interconnectors to Croatia, Romania, Slovakia, Ukraine, Serbia and Austria

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"This presentation and the associated slides and discussion contain forward-looking statements. These statements are naturally subject to uncertainty and changes in circumstances. Those forward-looking statements may include, but are not limited to, those regarding capital employed, capital expenditure, cash flows, costs, savings, debt, demand, depreciation, disposals, dividends, earnings, efficiency, gearing, growth, improvements, investments, margins, performance, prices, production, productivity, profits, reserves, returns, sales, share buy backs, special and exceptional items, strategy, synergies, tax rates, trends, value, volumes, and the effects of MOL merger and acquisition activities. These forward-looking statements are subject to risks, uncertainties and other factors, which could cause actual results to differ materially from those expressed or implied by these forwardlooking statements. These risks, uncertainties and other factors include, but are not limited to developments in government regulations, foreign exchange rates, crude oil and gas prices, crack spreads, political stability, economic growth and the completion of ongoing transactions. Many of these factors are beyond the Company's ability to control or predict. Given these and other uncertainties, you are cautioned not to place undue reliance on any of the forward-looking statements contained herein or otherwise. The Company does not undertake any obligation to release publicly any revisions to these forward-looking statements (which speak only as of the date hereof) to reflect events or circumstances after the date hereof or to reflect the occurrence of unanticipated events, except as maybe required under applicable securities laws.

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