J.P. MORGAN INDUSTRIALS CONFERENCE



lyondellbasell

Advancing Possible

CAUTIONARY STATEMENT

The statements in this presentation relating to matters that are not historical facts are forward-looking statements. These forward-looking statements are based upon assumptions of management of LyondellBasell which are believed to be reasonable at the time made and are subject to significant risks and uncertainties. When used in this presentation, the words "estimate," "believe," "continue," "could," "intend," "potential," "predict," "should," "will," "expect," and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain such identifying words. Actual results could differ materially based on factors including, but not limited to, market conditions, the business cyclicality of the chemical, polymers and refining industries; the availability, cost and price volatility of raw materials and utilities, particularly the cost of oil, natural gas, and associated natural gas liquids; uncertainties related to the extent and duration of the pandemic-related decline in demand, or other impacts due to the COVID-19 pandemic in geographic regions or markets served by us, or where our operations are located, including the risk of prolonged recession; competitive product and pricing pressures; labor conditions; our ability to attract and retain key personnel; operating interruptions (including leaks, explosions, fires, weatherrelated incidents, mechanical failure, unscheduled downtime, supplier disruptions, labor shortages, strikes, work stoppages or other labor difficulties, transportation interruptions, spills and releases and other environmental risks); the supply/demand balances for our and our joint ventures' products, and the related effects of industry production capacities and operating rates; our ability to achieve expected cost savings and other synergies; our ability to successfully execute projects and growth strategies; future financial and operating results; benefits and synergies of any proposed transactions; legal and environmental proceedings; tax rulings, consequences or proceedings; technological developments, and our ability to develop new products and process technologies; potential governmental regulatory actions; political unrest and terrorist acts; risks and uncertainties posed by international operations, including foreign currency fluctuations; and our ability to comply with debt covenants and to amend, extend, repay, redeem, service, and reduce our debt. Additional factors that could cause results to differ materially from those described in the forward-looking statements can be found in the "Risk Factors" section of our Form 10-K for the year ended December 31, 2020. which can be found at www.LyondellBasell.com on the Investor Relations page and on the Securities and Exchange Commission's website at www.sec.gov. There is no assurance that any of the actions, events or results of the forward-looking statements will occur, or if any of them do, what impact they will have on our results of operations or financial condition. Forward-looking statements speak only as of the date they were made and are based on the estimates and opinions of management of LyondellBasell at the time the statements are made. LyondellBasell does not assume any obligation to update forwardlooking statements should circumstances or management's estimates or opinions change, except as required by law.

This presentation contains time sensitive information that is accurate only as of the date hereof. Information contained in this presentation is unaudited and is subject to change. We undertake no obligation to update the information presented herein except as required by law.

Explanations and reconciliations for our non-GAAP measures can be found in the Appendix to this presentation.



COMPELLING INVESTMENT THESIS

LEADING + ADVANTAGED + DISCIPLINED



LEADING global portfolio of proven, flexible and focused businesses in large and growing markets



ADVANTAGED global position as the industry's best operator with expertise and innovation



DISCIPLINED capital allocation that supports value-driven growth



A GLOBAL LEADER

TOP POSITIONS IN THE HEART OF A LARGE AND ATTRACTIVE MARKET

\$4 Trillion
CHEMICAL INDUSTRY
GLOBAL REVENUES

1

PP COMPOUNDS,
POLYOLEFIN
LICENSING
Globally

POLYETHYLENE Europe # 2

POLYPROPYLENE,
PROPYLENE OXIDE,
OXYFUELS
Globally

ETHYLENE,
PROPYLENE,
STYRENE
North America

#3

POLYETHYLENE +
POLYPROPYLENE
Globally

POLYETHYLENE,
ACETIC ACID
North America

\$28 B REVENUE 2020

19,200 EMPLOYEES 2020

MANUFACTURING SITES & JOINT VENTURES IN

22 COUNTRIES

SALES IN

>100

COUNTRIES

MAINTAINING OUR COMMITMENTS

BUILDING A STRONGER COMPANY FOR OUR INVESTORS, CUSTOMERS AND EMPLOYEES





PROTECTING EMPLOYEES

Maintained a safe work environment during pandemic

No company-wide workforce reductions

Bolstered diversity, equity and inclusion efforts

Maintained 401(k) and other benefits



SAFEGUARDING INVESTORS

Committed to investment-grade credit rating

Funded dividend and capex with cash from operations

Actively managed capex and working capital

Accelerated cost efficiency initiatives



PERFORMANCE SNAPSHOT

DIVERSIFIED PORTFOLIO AND GLOBAL SCALE DRIVING RESILIENT RESULTS

\$1.4 B

NET INCOME 2020

88%

CASH FROM OPERATING
ACTIVITIES / EBITDA
ex. LCM AND IMPAIRMENT
2020

\$3.9 B

EBITDA
ex. LCM AND IMPAIRMENT
2020

\$5.2 B

LIQUIDITY
AS OF
DECEMBER 31, 2020

REPORTING SEGMENTS

EBITDA ex. LCM and Impairment 2020

Olefins & Polyolefins – Americas	\$1,813 MM
Olefins & Polyolefins – Europe, Asia, International	\$826 MM
Intermediates & Derivatives	\$843 MM
Advanced Polymer Solutions	\$381 MM
Refining	-\$289 MM
Technology	\$324 MM



GLOBAL POLYETHYLENE

FUTURE OPERATING RATES LIKELY COMPARABLE TO PREVIOUS CYCLES

2016 FORECAST

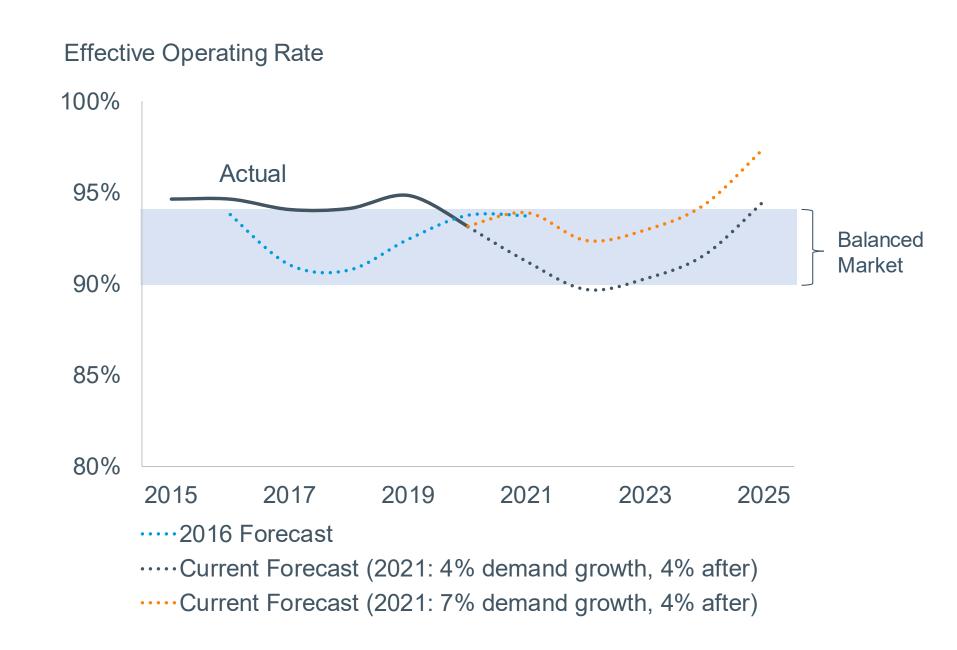
- Consultants predicted low operating rates 2017-2018
- Typical delays in new capacity maintained high operating rates

2020 ENVIRONMENT

- Global demand growth was 4%
- Persistent increases in demand from lifestyle changes

CURRENT FORECAST

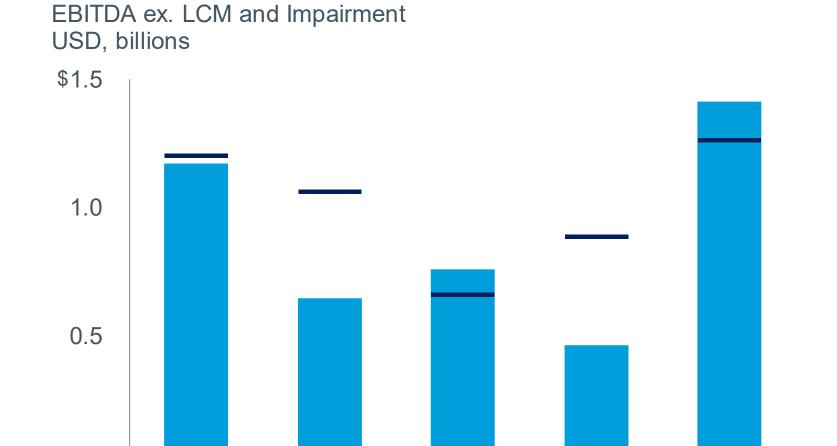
- Consultants predict a low operating rate in 2022
- Capacity additions forecasted, primarily in China
- Typical delays likely to improve the operating rate forecast





RECOVERING MARKETS

DIVERSE GLOBAL PORTFOLIO REFLECTING SIGNIFICANT ECONOMIC RECOVERY



2Q20

- EBITDA ex. LCM and Impairment

3Q20

4Q20

STRONG CONSUMER DRIVEN DEMAND

Packaging and non-durable products

FURTHER INDUSTRIAL SECTOR RECOVERY

Automotive and other durable products

PERSISTENTLY LOW MOBILITY

Transportation fuels

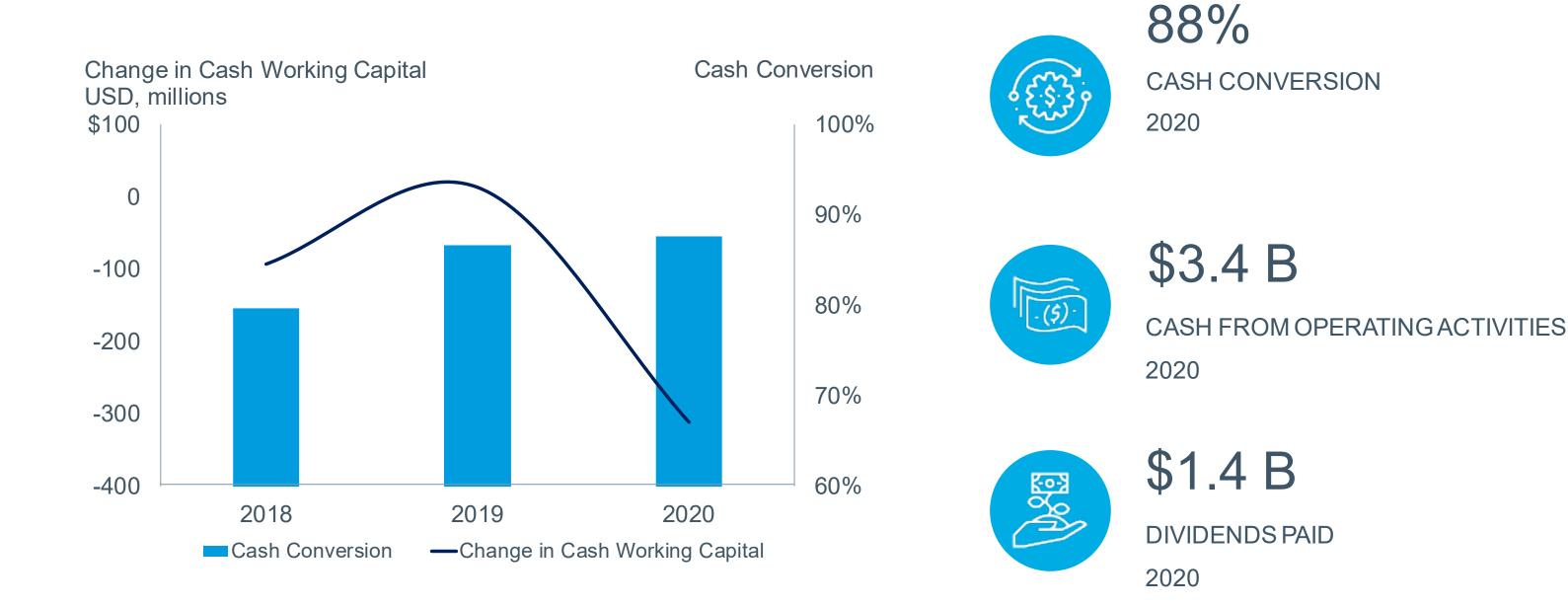


4Q19

1Q20

STRONG CASH CONVERSION

DIVIDEND AND CAPITAL INVESTMENTS COVERED BY CASH FROM OPERATING ACTIVITIES





ADVANCING SUSTAINABILITY

SERVING CUSTOMER NEEDS AND ADDRESSING SOCIETAL DEMANDS





ELIMINATING PLASTIC WASTE

Targeting production and marketing of 2 MM ton of recycled and renewable-based polymers annually by 2030



ADDRESSING CLIMATE CHANGE

Targeting a 15% reduction in CO₂ equivalent emissions per ton of product by 2030



SUPPORTING A THRIVING SOCIETY

Focusing on operating safely and with zero incidents, zero injuries and zero accidents



ADVANCING CIRCULAR PLASTICS

QCP PARTNERSHIP EXPANDS CAPACITY AND FOOTPRINT



EXPANDING LYB'S MECHANICAL RECYCLING NETWORK

2018 – Geleen, The Netherlands

2020 - Blandain, Belgium



ADVANCING PRODUCT OPTIONS

Expands the number of end-use applications

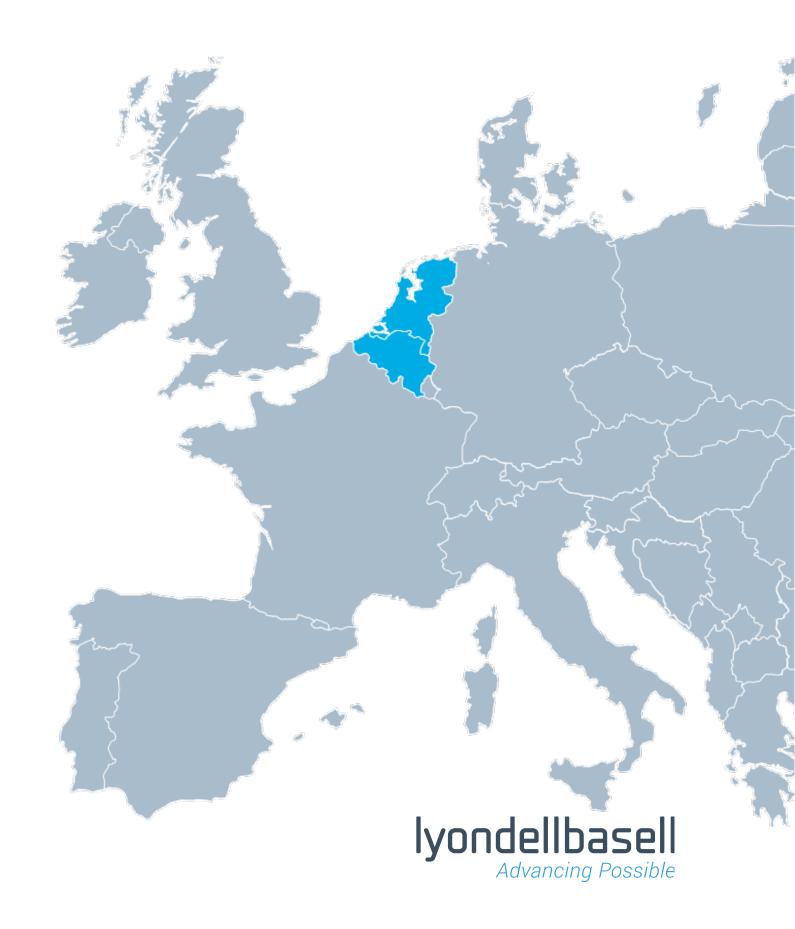
Assists brand owners to achieve sustainability goals



SUPPORTING SUSTAINABILITY INITIATIVES

Expands LYB plastic waste recycling capacity to 55 K ton per year

Goal: Produce and market 2 MM ton of recycled and renewable—based polymers annually by 2030



ADVANTAGED POSITION AS THE INDUSTRY'S BEST OPERATOR

CULTURE DRIVEN BY RELENTLESS BENCHMARKING AND CONTINUOUS IMPROVEMENT



SAFETY LEADERSHIP



OPERATIONAL EXCELLENCE



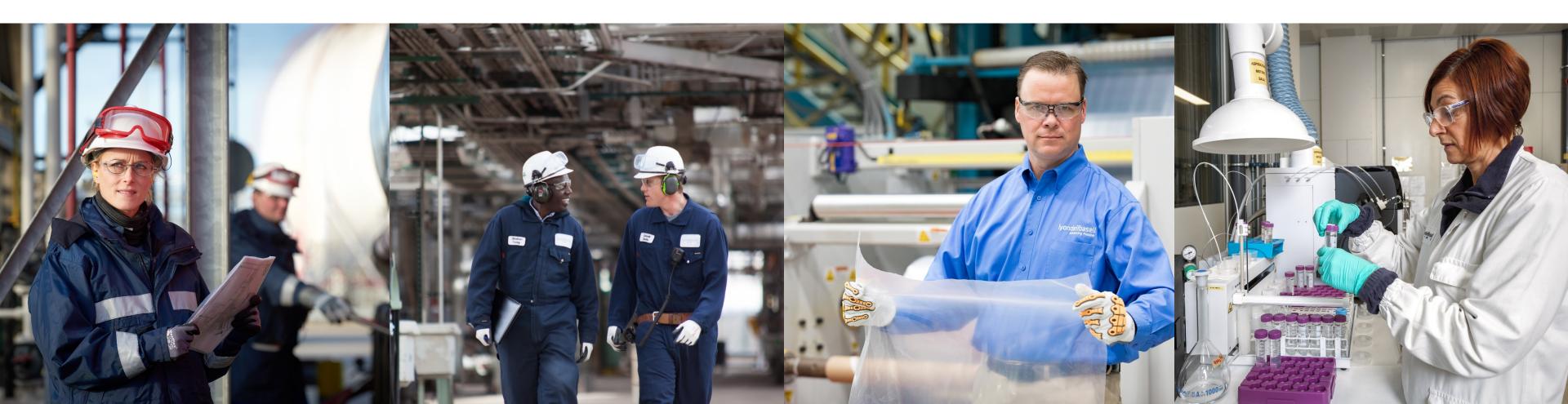
FEEDSTOCK FLEXIBILITY



COMMERCIAL EXCELLENCE



EXPERTISE AND INNOVATION



CONSISTENT SAFETY FOCUS

IMPROVING SAFETY PERFORMANCE IN A CHALLENGING YEAR







SOCIAL DISTANCING

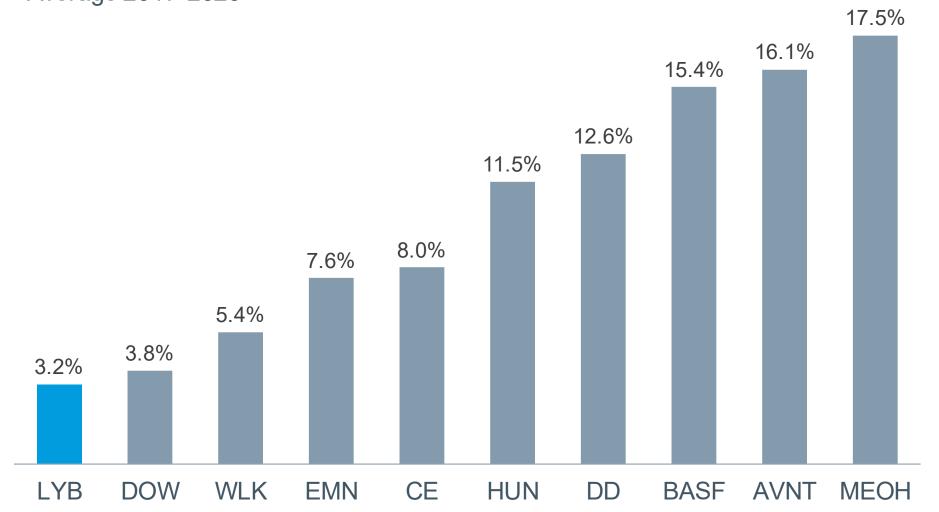




FOCUSED COST DISCIPLINE

HIGH PRODUCTIVITY DRIVING OUR LEADING COST STRUCTURE

SG&A as % of Revenue Average 2017-2020



COST-FOCUSED CULTURE

- Relentless peer benchmarking
- Continuous pursuit of first-quartile performance

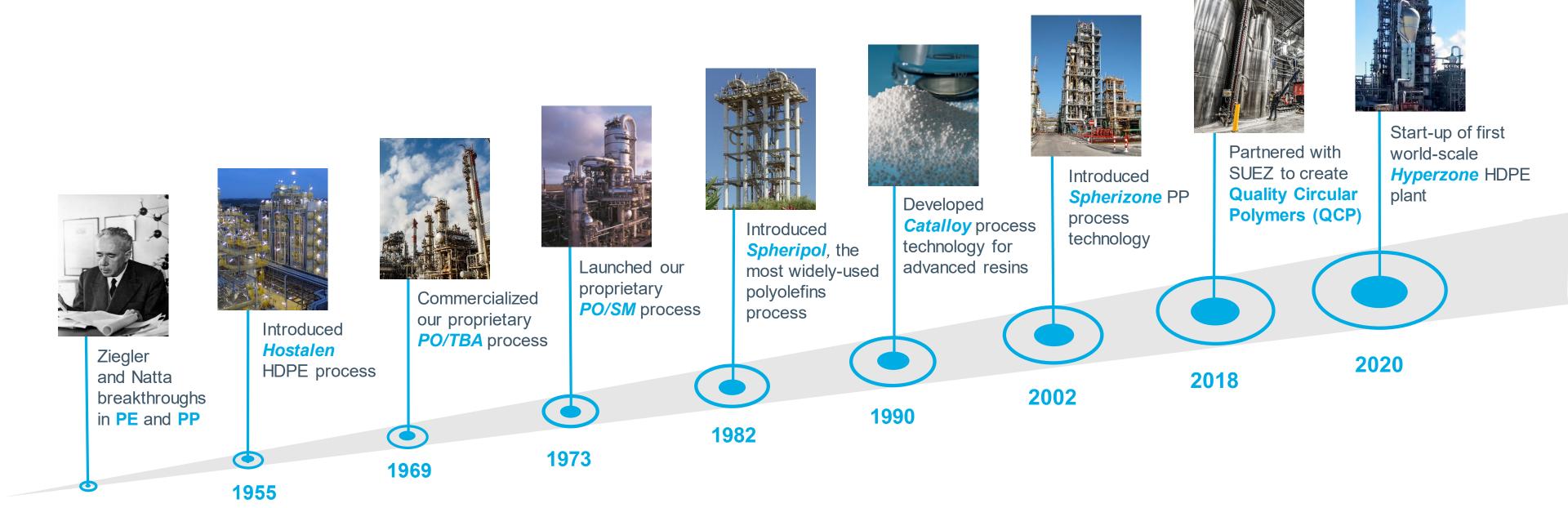
HIGHLY TARGETED CUSTOMER SUPPORT

- Focus on initiatives valued by customers
- Rigorous management of technical resources



EXPERTISE AND INNOVATION

OUR PRODUCTS AND TECHNOLOGIES HAVE DRIVEN GROWTH IN THE PETROCHEMICAL INDUSTRY FOR 65+ YEARS



15

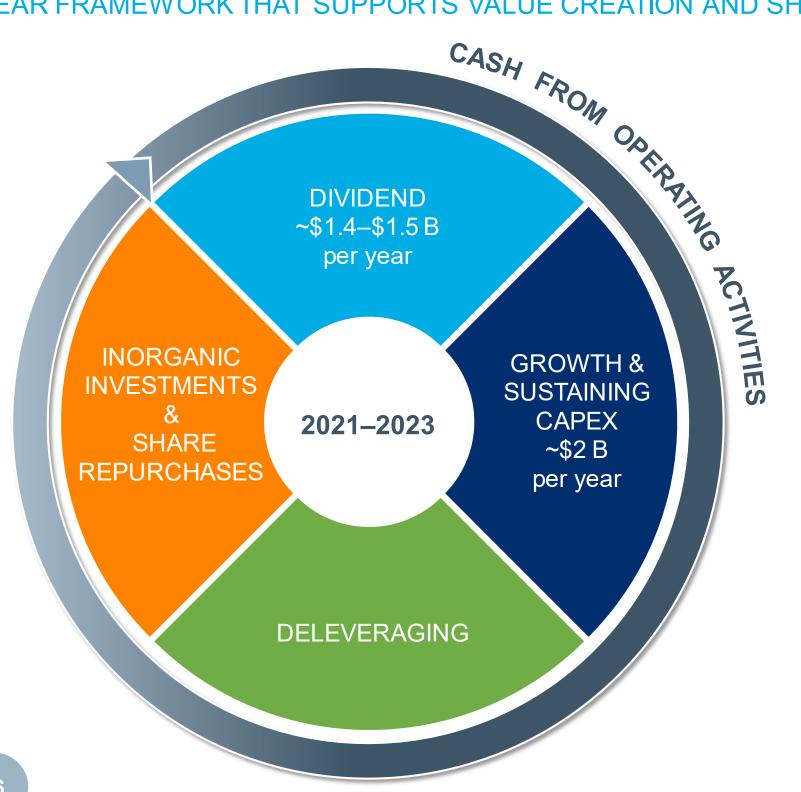
1953-1954

Iyondellbasell

Advancing Possible

DISCIPLINED CAPITAL ALLOCATION

CLEAR FRAMEWORK THAT SUPPORTS VALUE CREATION AND SHAREHOLDER REMUNERATION



- 1 **DIVIDEND**Committed to a strong and progressive dividend
- 2 INVESTMENTS TO SUSTAIN & EXPAND ASSETS
 2021–2023 sustaining and growth CAPEX: ~\$2 B per year
- 3 **DELEVERAGING**Focused on strengthening our balance sheet in the near term
- 4 INORGANIC INVESTMENTS & SHARE REPURCHASES

 Patient approach to value-minded growth

Committed to an Investment Grade Rating



HYPERZONE PE

A NEW PLATFORM FOR GROWTH

INVESTMENT STRATEGY

- Delivering the latest generation of LyondellBasell polymer technology
- Providing lightweight, crack-resistant polymers with high processability
- Enabling the production of cost-effective and durable plastics

MILESTONES

• Commercial volumes began 1Q 2020



500 KT

HDPE per year

~\$170 MM

ESTIMATED EBITDA per year

CHINA JOINT VENTURE

HIGH-RETURN PROJECT IN WORLD'S FASTEST-GROWING MARKET

INVESTMENT STRATEGY

- Serves Chinese domestic market through LYB marketing network
- Expands our manufacturing network using LYB technology and catalysts
- Flexible feedstock with naphtha sourced from partner's adjacent refinery

EFFICIENT INVESTMENT IN LOW RISK PROJECT

- Low total project costs ~\$2.6 B (shared 50/50 between partners)
- Low equity requirement with ~2/3 project debt financing

MILESTONES

- Commenced production September 2020
- Immediately beneficial to profitability



1.1

MM ton per year Flexible Cracker Naphtha / LPG 8.0

MM ton per year Polyethylene 0.6

MM ton per year Polypropylene

LOUISIANA INTEGRATED PE JV

IMMEDIATE RETURNS FROM NEWLY-BUILT WORLD-SCALE ASSETS

INVESTMENT STRATEGY

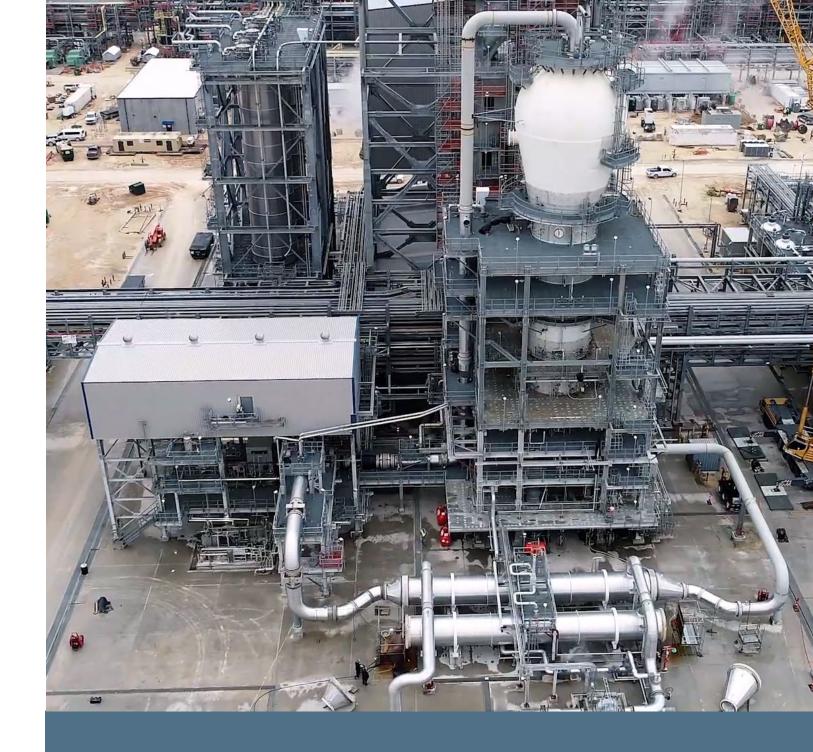
- Top-quartile cost positions with established technologies and cyclical upside
- New, well-built and operational assets derisked from project development uncertainties
- Synergy benefits from LyondellBasell's proven operational excellence

HIGHLY ACCRETIVE INVESTMENT IN OPERATIONAL ASSETS

- Acquired 50% share of integrated PE JV for \$2 B
- LyondellBasell operates assets and markets PE on behalf of JV
- LyondellBasell has potential to acquire JV assets in full in the future

MILESTONES

- Completed joint venture transaction December 2020
- Immediately beneficial to profitability



1.5

MM ton per year Ethane cracker 0.9

MM ton per year
Low density &
linear-low density
polyethylene

AII

Associated utilities, offsites & infrastructure

PO/TBA PLANT UPDATE

DISCIPLINED GROWTH MEETING GLOBAL DEMAND

INVESTMENT STRATEGY

- Meeting rising demand for urethanes and clean-burning oxyfuels
- Capturing cost-advantaged U.S. Gulf Coast feedstocks

MILESTONES

- Broke ground August 2018
- Slowed construction in 2Q/3Q 2020 due to the pandemic
- ~50% complete as of December 2020
- Planned start 4Q22



470/1,000 KT

PO/TBA

per year

~\$450 MM

ESTIMATED EBITDA

per year

DISCIPLINED INVESTMENTS DRIVING GROWTH AND VALUE

HIGHER EBITDA AND LOWER CAPEX: A CLEAR STRATEGY FOR INCREASING FREE CASH FLOW





LEADING + ADVANTAGED + DISCIPLINED

COMMITTED TO DELIVERING VALUE THROUGH CYCLES

COMMITMENTS KEPT

Supported employees

Advanced sustainability initiatives

Maintained investment-grade rating

Preserved dividend

MARKETS IMPROVING

Robust global PE/PP demand

Increasing automotive and construction demand

Upside from increasing transportation fuel demand

FREE CASH FLOW GROWING

APS synergies

Hyperzone PE & PO/TBA

Bora, Louisiana and PO/SM Joint Ventures

Lower CAPEX

PATH FORWARD

Further deleveraging

Maintaining capital discipline

Optimizing portfolio

Advancing sustainability & DEI initiatives



APPENDIX



INFORMATION RELATED TO FINANCIAL MEASURES

This presentation makes reference to certain "non-GAAP" financial measures as defined in Regulation G of the U.S. Securities Exchange Act of 1934, as amended.

EBITDA, as presented herein, may not be comparable to a similarly titled measure reported by other companies due to differences in the way the measure is calculated. We calculate EBITDA as income from continuing operations plus interest expense (net), provision for (benefit from) income taxes, and depreciation & amortization. EBITDA should not be considered an alternative to profit or operating profit for any period as an indicator of our performance, or as an alternative to operating cash flows as a measure of our liquidity. We also present EBITDA and net income exclusive of adjustments for ("LCM") and impairment. LCM is an accounting rule consistent with GAAP related to the valuation of inventory. Our inventories are stated at the lower of cost or market. Cost is determined using the last-in, first-out ("LIFO") inventory valuation methodology, which means that the most recently incurred costs are charged to cost of sales and inventories are valued at the earliest acquisition costs. Fluctuation in the prices of crude oil, natural gas and correlated products from period to period may result in the recognition of charges to adjust the value of inventory to the lower of cost or market in periods of falling prices and the reversal of those charges in subsequent interim periods as market prices recover. Property, plant and equipment are recorded at historical costs. If it is determined that an asset or asset group's undiscounted future cash flows will not be sufficient to recover the carrying amount, an impairment charge is recognized to write the asset down to its estimated fair value. Estimated EBITDA, as presented for future projects is calculated as volume multiplied by average historical margins. Estimated EBITDA cannot be reconciled to net income due to the inherent difficulty in forecasting and quantifying certain amounts that are necessary for such reconciliation, including adjustments that could be made for interest expense (net), provision for (benefit from) income taxes, depreciation & amortization and o

Cash from operating activities yield from EBITDA excluding LCM and impairment is a measure that provides an indicator of a company's operational efficiency and management. Cash from operating activities yield from EBITDA excluding LCM and impairment, as presented herein, may not be comparable to similarly titled measures reported by other companies due to differences in the way the measures are calculated. For purposes of this presentation, cash from operating activities yield from EBITDA excluding LCM and impairment means cash from operating activities divided by EBITDA excluding LCM and impairment.

Change in cash working capital represents changes in Accounts receivable, Inventories and Account payable that (provided) used cash in our consolidated statements of cash flows.

Free cash flow is a measure of profitability commonly used by investors to evaluate performance. Free cash flow, as presented herein, may not be comparable to similarly titled measures reported by other companies due to differences in the way the measures are calculated. For purposes of this presentation, free cash flow means net cash provided by operating activities minus capital expenditures.

Additionally, liquidity is a measure that provides an indicator of value to investors. For purposes of this presentation, liquidity includes cash and cash equivalents, restricted cash and restricted cash equivalents, short term investments, and availability under our Senior Revolving Credit Facility and our Receivables Facility.



Reconciliation of Net Income To EBITDA, including and excluding LCM and Impairment

		Three Months Ended Year								Year Ended Three Months Ended									Year Ended	
Millions of dollars	Ma	arch 31, 2019	June 20	•	•	mber 30, 019	Dec	ember 31, 2019	Dec	ember 31, 2019	N	March 31, 2020	J	une 30, 2020	Sep	otember 30, 2020	December 202	•	Dec	ember 31, 2020
Net income	\$	817	\$	1,003	\$	965	\$	612	\$	3,397	\$	144	\$	314	\$	114	\$	855	\$	1,427
add: LCM charges (benefits), after-tax		-		-		-		25		25		351		(88)		(133)		(119)		11
add: Impairment of long-lived assets, after tax		-						<u>-</u>		-		<u>-</u>		-		446				446
Net income excluding LCM and impairment		817		1,003		965		637		3,422		495		226		427		736		1,884
less: LCM (charges) benefits, after-tax		-		-		-		(25)		(25)		(351)		88		133		119		(11)
less: Impairment of long-lived assets, after-tax		-								-		-		-		(446)				(446)
Net income		817		1,003		965		612		3,397		144		314		114		855		1,427
Loss (income) from discontinued operations,																				
net of tax				3		4				7		(1)		1				2		2
Income from continuing operations		817		1,006		969		612		3,404		143		315		114		857		1,429
Provision for (benefit from) income taxes		203		169		136		140		648		75		(32)		(125)		39		(43)
Depreciation and amortization		322		328		327		335		1,312		342		356		358		329		1,385
Interest expense, net		86		76		81		85		328		86		121		119		188		514
add: LCM charges (benefits), pre-tax		-				_		33		33		419		(96)		(160)		(147)		16
EBITDA excluding LCM		1,428		1,579		1,513		1,205		5,725		1,065		664		306		1,266		3,301
add: Impairment of long-lived assets, pre-tax		-						<u>-</u>		-		<u>-</u>		-		582				582
EBITDA excluding LCM and impairment		1,428		1,579		1,513		1,205		5,725		1,065		664		888		1,266		3,883
less: LCM (charges) benefits, pre-tax		-		-		-		(33)		(33)		(419)		96		160		147		(16)
less: Impairment of long-lived assets, pre-tax																(582)				(582)
EBITDA	\$	1,428	\$	1,579	\$	1,513	\$	1,172	\$	5,692	\$	646	\$	760	\$	466	\$	1,413	\$	3,285



	Three Months Ended												
MULTIN AND COLUMN AND AND AND AND AND AND AND AND AND AN	Dec	ember 31,	M	arch 31,		June 30,	Sep	tember 30,	December 31,				
Millions of dollars		2019		2020		2020		2020	2020		2020		
EBITDA:	•	400	•	000	•	0.40	•	47.4		•	4.040		
Olefins & Polyolefins - Americas	\$	498	\$	366	\$	248	\$	474	\$ 722	\$	1,810		
Olefins & Polyolefins - EAI		144		189		185		148	304		826		
Intermediates & Derivatives		329		203		101		267	262		833		
Advanced Polymer Solutions		54		113		(44)		157	152		378		
Refining		22		(272)		165		(692)	(72)		(871)		
Technology		138		56		112		111	45		324		
Other		(13)		(9)		(7)		1			(15)		
Continuing Operations	\$	1,172	\$	646	\$	760	\$	466	\$ 1,413	\$	3,285		
Add: LCM charges (benefits), pre-tax:													
Olefins & Polyolefins - Americas	\$	25	\$	111	\$	(38)	\$	(70)	\$ -	\$	3		
Olefins & Polyolefins - EAI		-		36		34		(17)	(53)		-		
Intermediates & Derivatives		-		78		20		(22)	(66)		10		
Advanced Polymer Solutions		8		2		67		(40)	(26)		3		
Refining		-		192		(179)		(11)	(2)		-		
Continuing Operations	\$	33	\$	419	\$	(96)	\$	(160)	\$ (147)	\$	16		
EBITDA excluding LCM:													
Olefins & Polyolefins - Americas	\$	523	\$	477	\$	210	\$	404	\$ 722	\$	1,813		
Olefins & Polyolefins - EAI		144		225		219		131	251		826		
Intermediates & Derivatives		329		281		121		245	196		843		
Advanced Polymer Solutions		62		115		23		117	126		381		
Refining		22		(80)		(14)		(703)	(74)		(871)		
Technology		138		56		112		111	45		324		
Other		(13)		(9)		(7)		1			(15)		
Continuing Operations	\$	1,205	\$	1,065	\$	664	\$	306	\$ 1,266	\$	3,301		
Add: Impairment of long-lived assets, pre-tax:													
Refining	\$	-	\$	-	\$	-	\$	582	\$ -	\$	582		
EBITDA excluding LCM and impairment:													
Olefins & Polyolefins - Americas	\$	523	\$	477	\$	210	\$	404	\$ 722	\$	1,813		
Olefins & Polyolefins - EAI		144		225		219		131	251		826		
Intermediates & Derivatives		329		281		121		245	196		843		
Advanced Polymer Solutions		62		115		23		117	126		381		
Refining		22		(80)		(14)		(121)	(74)		(289)		
Technology		138		56		112		111	45		324		
Other		(13)		(9)	_	(7)	_	1		_	(15)		
Continuing Operations	\$	1,205	\$	1,065	\$	664	\$	888	\$ 1,266	\$	3,883		



Millions of dollars	Dec	ember 31, 2020
Cash and cash equivalents and restricted cash	\$	1,765
Short-term investments		702
Cash and liquid investments	\$	2,467
Availability under Senior Revolving Credit Facility		2,020
Availability under U.S. Receivables Facility		757
Total liquidity	\$	5,244

Cash Conversion

	For the Year Ended December 31,										
Millions of dollars		2018		2019		2020					
Net cash provided by operating activities	\$	5,471	\$	4,961	\$	3,404					
Divided by: EBITDA excluding LCM and impairment ^(a)	\$	6,867	\$	5,725	\$	3,883					
Cash conversion ^(b)		80 %		87 %		88 %					

⁽a) EBITDA excluding LCM and impairment: see Reconciliation of Net Income to EBITDA, including and excluding LCM and impairment.

Calculation of Selling, General and Administrative Expenses (SG&A) as a Percentage of Revenue

	 For the Year Ended December 31,												
Millions of Dollars	 2017		2018		2019		2020	- Average (2017-2020)					
SG&A	\$ 859	\$	1,129	\$	1,199	\$	1,140	\$	1,082				
Revenue	34,484		39,004		34,727		27,753		33,992				
SG&A as a percentage of revenue									3.2 %				

⁽b) Cash conversion is the ratio of net cash provided by operating activities to EBITDA excluding LCM and impairment.