

# **Investor Presentation**

Third Quarter 2021

# **General Disclosure**

This presentation includes "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. These forward-looking statements include statements concerning our plans, objectives, goals, strategies, future events, future revenue or performance, capital expenditures, financing needs, plans or intentions relating to acquisitions, business trends and other information that is not historical information. When used in this presentation, the words "estimates," "expects," "anticipates," "projects," "plans," "intends," "believes," "forecasts," or future or conditional verbs, such as "will," "should," "could" or "may," and variations of such words or similar expressions are intended to identify forward-looking statements. All forward-looking statements, including, without limitation, management's examination of historical operating trends and data, are based upon our current expectations and various assumptions. Our expectations, beliefs and projections are expressed in good faith, and we believe there is a reasonable basis for them. However, there can be no assurance that management's expectations, beliefs and projections will be achieved.

The forward-looking statements in this release are subject to uncertainty and changes in circumstances and involve risks and uncertainties that may affect the company's operations, markets, products, services, prices and other factors as discussed in the Huntsman companies' filings with the U.S. Securities and Exchange Commission. Significant risks and uncertainties may relate to, but are not limited to, ongoing impact of COVID-19 on our operations and financial results, volatile global economic conditions, cyclical and volatile product markets, disruptions in production at manufacturing facilities, timing of proposed transactions, reorganization or restructuring of Huntsman's operations, including any delay of, or other negative developments affecting the ability to implement cost reductions and manufacturing optimization improvements in Huntsman businesses and realize anticipated cost savings, and other financial, economic, competitive, environmental, political, legal, regulatory and technological factors. Any forward-looking statement should be considered in light of the risks set forth under the caption "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2020, which may be supplemented by other risks and uncertainties disclosed in any subsequent reports filed or furnished by us from time to time.

All forward-looking statements attributable to us or persons acting on our behalf apply only as of the date made. We undertake no obligation to update or revise forward-looking statements which may be made to reflect events or circumstances that arise after the date made or to reflect the occurrence of unanticipated events.

This presentation contains financial measures that are not in accordance with generally accepted accounting principles in the U.S. ("GAAP"), including adjusted EBITDA, adjusted EBITDA from discontinued operations, adjusted net income (loss), adjusted diluted income (loss) per share, free cash flow and net debt. Reconciliations of non-GAAP measures to GAAP are provided through the "Non-GAAP Reconciliation" link available in the "Financials" section on the Company's website at www.huntsman.com/investors.

The Company does not provide reconciliations of forward-looking non-GAAP financial measures to the most comparable GAAP financial measures on a forward-looking basis because the Company is unable to provide a meaningful or accurate calculation or estimation of reconciling items and the information is not available without unreasonable effort. This is due to the inherent difficulty of forecasting the timing and amount of certain items, such as, but not limited to, (a) business acquisition and integration expenses, (b) merger costs, and (c) certain legal and other settlements and related costs. Each of such adjustments has not yet occurred, are out of the Company's control and/or cannot be reasonably predicted. For the same reasons, the Company is unable to address the probable significance of the unavailable information.



# **Huntsman's Portfolio Today**

### **Polyurethanes**



**Performance Products** 



**Advanced Materials** 



\$1.0 billion

(14%)

\$154 million

(12%)

16%

**Textile Effects** 



### **Total**

HUNTSMAN

**2Q21 LTM** Sales Revenue (% of total) (1)

**2Q21 LTM** Adj. EBITDA (% of total) (1)

**2Q21 LTM** Adj. EBITDA Margin %

> Key End Markets

- \$4.2 billion (59%)
- \$772 million (63%)

18%

- Insulation
- · Adhesives, coatings, elastomers & footwear
- Automotive
- · Construction materials
- · Other industrial markets

- \$228 million (19%)

\$1.2 billion

(17%)

- 19%
- · Fuel & lubricant additives
- · Gas treating
- · Polyurethane additives
- Coatings & adhesives
- · Construction materials
- Transportation
  - adhesives
  - · Industrial adhesives
  - Coatings & construction
  - · Electrical insulation

- \$0.7 billion (10%)
- \$79 million (6%)

11%

- Apparel
- Furnishings
- Transportation
- · Protective fabrics

Enriching lives through innovation

\$7.0 billion

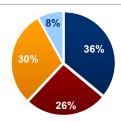
\$1.1 billon

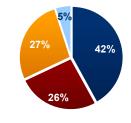
 Construction & industrial applications

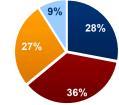
15%

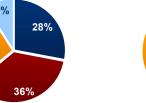
- Transportation
- Adhesives
- Coatings
- Elastomers

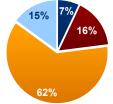
**2Q21 LTM** Sales Revenue by Region











33% 32%

U.S. & Canada

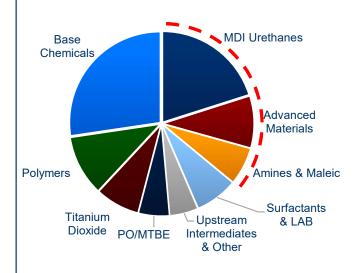
■ Europe ■ Asia Pacific

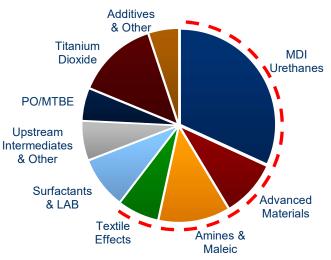
Rest of World

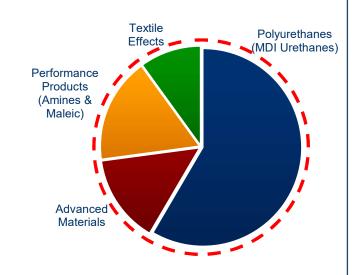
Note: All figures reflect Huntsman Corporation continuing operations. (1) Percent of total excludes Corporate, LIFO and other eliminations.



# **Simplification and Portfolio Transformation**







2005 2015 Today

- · Divested Base Chemicals
- Divested Polymers
- Acquired Textile Effects
- Acquired Rockwood's TiO2 and Additives assets (2014)
  - Announced the intention to IPO the business in 2 years

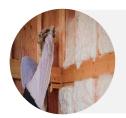
- Divested EU Surfactants (2016)
- Separated TiO2 & Additives (Venator) via IPO & secondary offerings (2017 & 2018)
- Acquired Demilec (2018)
- Divested Chemical Intermediates businesses (2020)
- Acquired Icynene-Lapolla (2020)
- Acquired CVC Thermoset Specialties (2020)
- Divested DIY Consumer Adhesives business (2020)
- · Acquired Gabriel Performance Products (2021)

Note: Reflects proportion of sales revenue by segment or product group. Upstream Intermediates & Other includes intercompany sales.



# **Sustainability is Huntsman**

### Sustainable Solutions are the Core of Huntsman's Portfolio



Reduce Energy Consumption

Superior insulation for buildings, homes, and the cold chain



**Improve Fuel Efficiency** 

Specialty adhesives, foams and additives which bring light weighting properties and increase battery lifespan



Improve Alternative Energy Production

Amines and specialty resins enabling alternative energy



**Water Conservation** 

Textile dyes which require dramatically less water

# **Solutions Strategically Aligned with Global Infrastructure Plans**

### Sectors Need

Construction Modernize & build residential and non residential structures with energy conservation as a priority

Manufacturing

Enhance green energy infrastructure, modernize existing electric grid and increase clean fuel production

Transportation Modernize existing transit infrastructure and enhance &

improve electric vehicles

### **Huntsman Solutions**

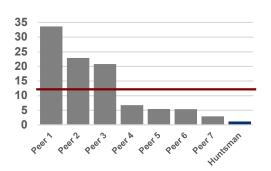
- > Insulation, OSB, Maleic Anhydride
- > Amines, Specialty Resins, Additives
- Ultra pure ethylene carbonate, MDI foams, Specialty Resins

Our unique portfolio provides opportunities for sustainable solutions and enhancements

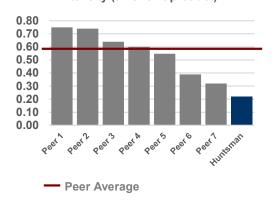
### **Emissions Profile**

- Huntsman emissions and intensity significantly lower than peers
- In 2020, Rotterdam facility powered 100% by renewable energy

Emissions (Scope 1 & 2, mt CO2e)



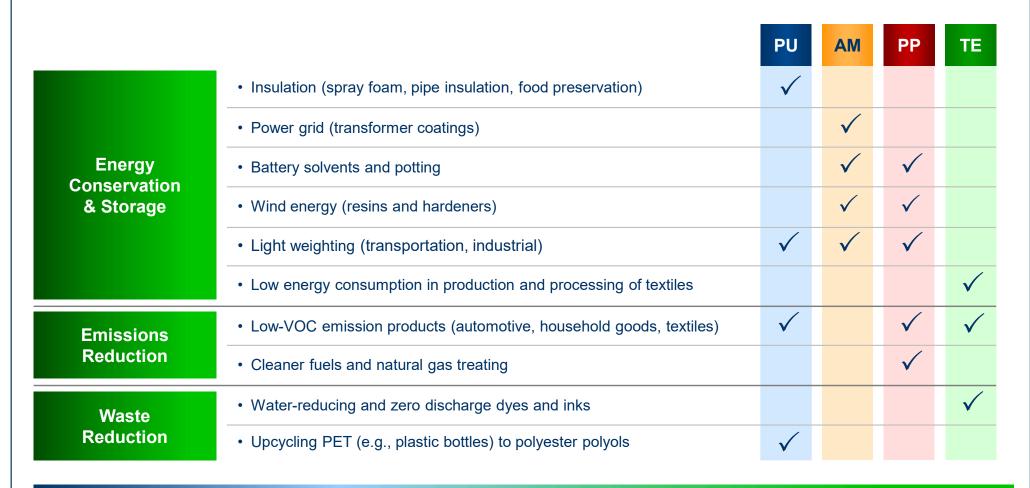
### Intensity (t CO2e / t product)



Source: Internally collected data from external sources



# **Huntsman Portfolio Strongly Aligned with Sustainability**



### Huntsman transforms PET scrap into energy-saving formulations





# **ULTRAPURE™** Ethylene Carbonate

Growth in Electric Vehicles Creates Increasing Demand

# **Technology Overview**

Rapid development of emerging market trends for electrification in transportation and grid level energy storage is driving demand for rechargeable batteries with high energy capacities, stability and a long lifespan.

### **Huntsman's Solution:**

Huntsman's **ULTRAPURE™** Ethylene Carbonate enhances the electrolyte solution by forming a protective layer which increases operating voltage, improves safety and adds stability. With its very low impurities, it also improves the lifespan of batteries.

# Lithium-lon Battery ULTRAPURE<sup>TM</sup> Ethylene Carbonate ~75% Solvents<sup>(1)</sup> ~15% Lithium Salt ~10% Other Additives ~8% Separator % of electrolytes by volume Note (1): High purity ethylene carbonates are ~1/3 of total solvents by weight

### **Market Overview**

- Global high purity ethylene carbonate demand used in batteries is expected to roughly triple by 2026
- Total battery demand in MWhs for electric vehicles growing at ~26% CAGR
- Multiple new electrolyte plants are planned to support new battery facilitates in North America and Europe
- Battery production capacity is expected to grow substantially in both America and Europe over the next several years

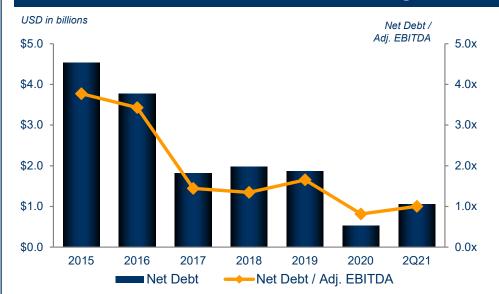
# **Huntsman's Advantage**

- Huntsman is the only US producer of Ethylene Carbonate
- Nearly 20 years of experience producing ULTRAPURE<sup>TM</sup> Ethylene Carbonate resulting in superior purity and quality to meet electric vehicle battery needs
- Innovating around core strengths in carbonates and amines technology to expand product offerings in lithium batteries



# Strong Flexible Balance Sheet and Liquidity Position





# **Debt Maturity Horizon**

Total Gross Debt of \$1,565mm as of 2Q21 (Net Debt \$1,055mm)



# **Liquidity, Debt & Cash Considerations**

- Total liquidity of ~\$1.9 billon and net leverage of ~1.0x
- Completed \$400mm offering of 2.95% senior notes due 2031. Net proceeds and cash on hand used to redeem in full \$400mm of 5.125% senior notes due 2022
- Received \$28mm earnout related to India-based do-ityourself consumer adhesives business divestiture. Total gross proceeds of ~\$285mm, ~15x multiple on 2019 adjusted EBITDA of the divested business
- 2021 estimated capital expenditures of ~\$355mm \$360mm
  - Includes ~\$100mm for Geismar Splitter targeted to startup end of 1Q22 and ~\$30mm of incremental strategic projects<sup>(1)</sup>
- 2021 estimated cash payments of ~\$70mm related to cost realignment and synergy plans, of which ~\$15mm is capex related
- Completed scheduled 4-year cluster Rotterdam turnaround; estimated 2021 cash impact of ~\$40mm
- 20% 2Q21 adjusted effective tax rate; estimated 2021 adjusted effective tax rate remains 22% to 24%

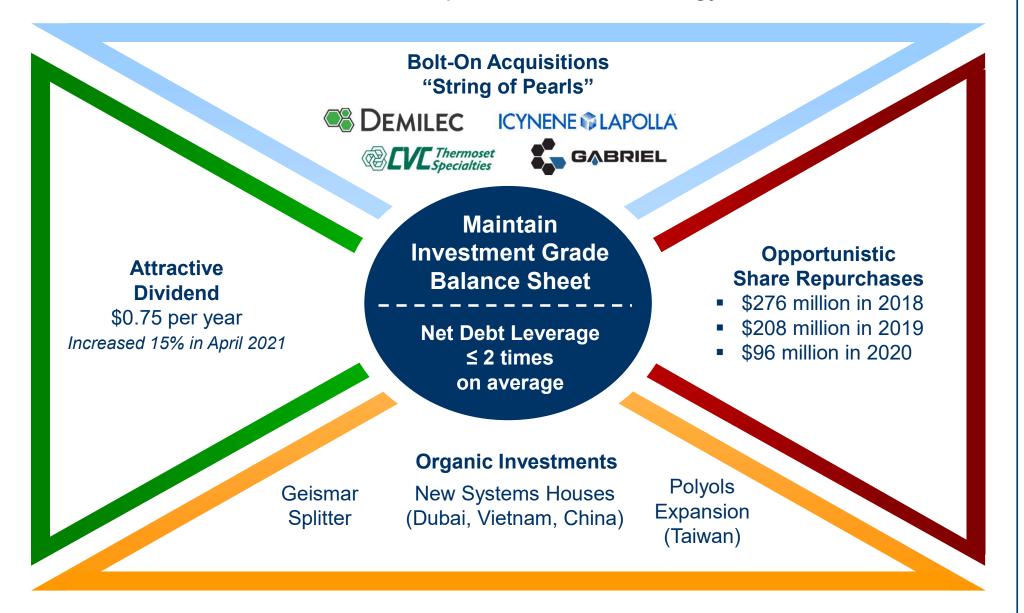
Note (1): Funding for incremental capital projects supported by one time ~\$70mm proceeds from sale and lease back of Basel, Switzerland property



USD in millions

# **Huntsman Corporation**

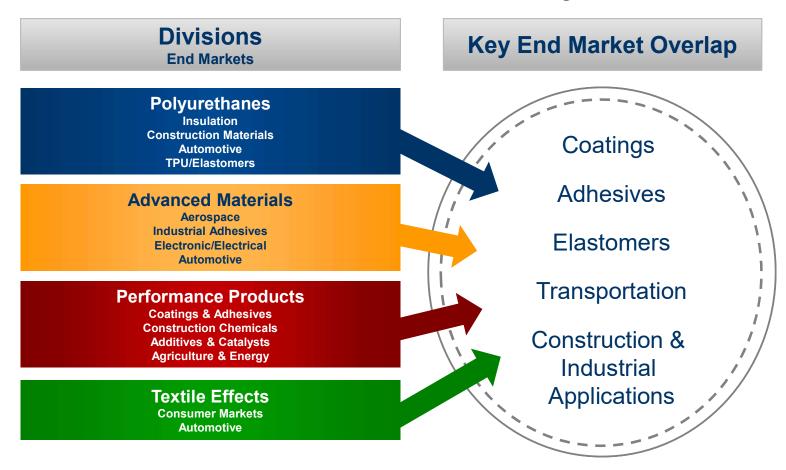
**Balanced Capital Allocation Strategy** 





# **Huntsman's Transformed Portfolio**

Core Platforms for Downstream Strategic Growth



### Criteria for Strategic Growth:

- Complementary to key markets across core platforms
- Significant synergies through global scale up, routes to market, complementary new technology and pull through
- Strong financial metrics including strong free cash flow
  - Organic capital hurdle rate of >20% & inorganic IRR of >mid-teens



# A Leader in the Spray Polyurethanes Foam Insulation Industry

Huntsman Building Solutions is Targeting \$100 million in EBITDA in 2021



# **Growing SPF Industry**

- SPF market represents only ~15% of total North American insulation market
- SPF market has been growing at a CAGR of ~7% over the last 7 years

# Integrated Supply of the World's Most Cost-Efficient Energy-Saving Insulation



TEROL polyols consume the equivalent of approximately ten thousand recycled PET plastic bottles per average insulated home



Average home requires ~1,500lbs of spray foam





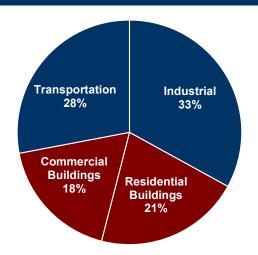




# **Huntsman Building Solutions**

World's Most Cost-Efficient Energy-Saving Insulation

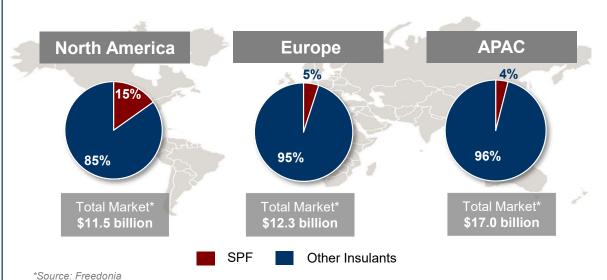




# **Spray Polyurethane Foam Energy Savings**

- Buildings account for ~40% of US energy consumption
- ~40% of the energy used in buildings goes into heating and cooling
- SPF insulation can reduce heating and cooling energy load by ~30%-50%
- Average homeowner experiences a ~50% reduction in their energy bill, which equates to less than a four-year payback period

# Significant long-term opportunity for growth by leveraging our global footprint





- Leading SPF Manufacturer globally
- #1 SPF Manufacturer in North America
- One of the Largest Insulation Manufacturers Globally



Source: EIA

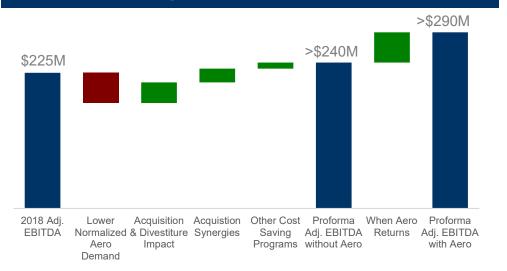
# **Strategically Repositioning Advanced Materials**

Through Three Strategic Actions in 2020 the Long-term Earnings Potential of Advanced Materials has been Significantly Improved at an Attractive Net Investment

# **Potential Net Impact of Recent Transactions**

	Cost	2019		Total
	(Proceeds)	<b>EBITDA</b>	Synergies <sup>(1)</sup>	<b>EBITDA</b>
+ CVC	\$300	\$30	\$15	\$45
Multiple		10x		7x
+ Gabriel (2)	\$250	\$23	\$8	\$31
Multiple		11x		8x
- India DIY <sup>(3)</sup>	(\$285)	(\$19)		(\$19)
Multiple		15x		
Net Impact	\$265	\$34	\$23	\$57
Multiple		8x		<5x

### **Improved Earnings Power Despite Weak Aerospace**



# Strengthening Advanced Materials Specialty Portfolio with an Improved Regional Balance

# **Advanced Materials Core Specialty Business**

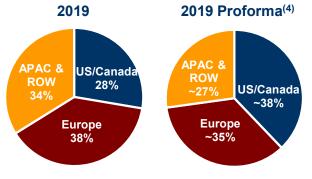
**Core Specialty Components** CVC & Gabriel Acq. **High Performance Resins Expanded Resin Portfolio Curing Agents Expanded Curing Portfolio Modifiers and Additives Added Tougheners Added Specialty Alkyds** 

Core Formulations

Structural Adhesives

**Light Weighting/ Composites** 

**Electrical & Electronic** Insulation



### **End Markets**

- **Transportation**
- Power Generation & **Transmission**
- Electronics
- Industrial / O&G
- Coatings & Construction

Note (1): Annualized synergies expected to be realized in around 2 years after close.

(2): The transaction is expected to close in the first quarter of 2021 after regulatory approvals.

(3): Includes the potential earnout of approximately \$28 million.

(4): Proforma sales includes the completed CVC and pending Gabriel acquisitions and excludes the India based DIY consumer adhesives divestiture.



# **Cost Realignment & Synergy Plans on Track**

Delivery of >\$120 million Run Rate Benefits Targeted by Mid 2023

### **Targeted Benefits & Completion Timing Targeted In-Year Benefit Delivery** USD in millions ~\$120 **Targeted Targeted** ~\$110 Adj. EBITDA Completion Benefit **Timing** \$100 ~\$90 **Acquisition Synergies** \$80 **HBS Synergies** >\$20mm Complete CVC & Gabriel Synergies ~\$23mm **Early 2023** \$60 **Cost Realignment & Business Optimization** \$40 Polyurethanes ~\$40mm Mid 2022 ~\$27 ~\$10mm **Advanced Materials** Mid 2022 \$20 Performance Products Complete ~\$7mm \$0 **Textile Effects** 2020 2021 2022 **Total** ~\$10mm Year-end 2021 Targeting >\$120mm run rate by mid 2023 Mid 2023 Corporate >\$10mm Estimated net cash restructuring and integration costs of >\$120mm approximately \$100mm

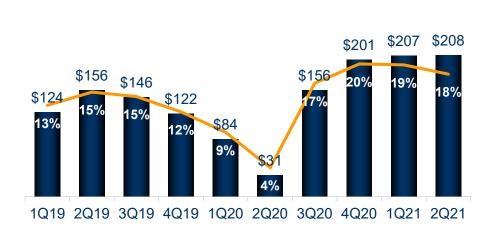




# **Business Overview**

# **Huntsman Corporation**

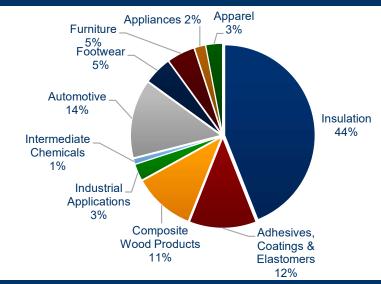
# Polyurethanes Adj. EBITDA



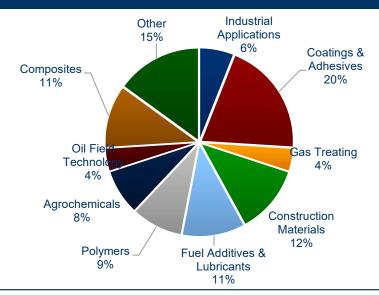
# Performance Products Adj. EBITDA



# **Polyurethanes End Markets**



### **Performance Products End Markets**



Note: All figures reflect Huntsman Corporation continuing operations. End Markets information as of 2020 year end.



# **Huntsman Corporation**

# **Advanced Materials Adj. EBITDA**

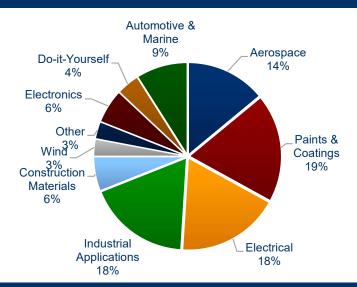


# **Textile Effects Adj. EBITDA**

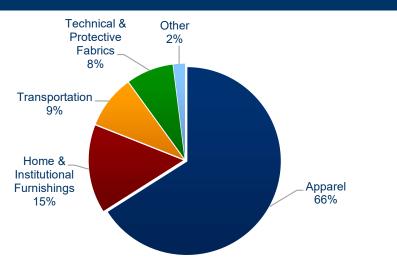


Note: All figures reflect Huntsman Corporation continuing operations. End Markets information as of 2020 year end. (1) Proforma adjusted for the sale of the India-based DIY consumer adhesives business.

### Advanced Materials End Markets<sup>(1)</sup>



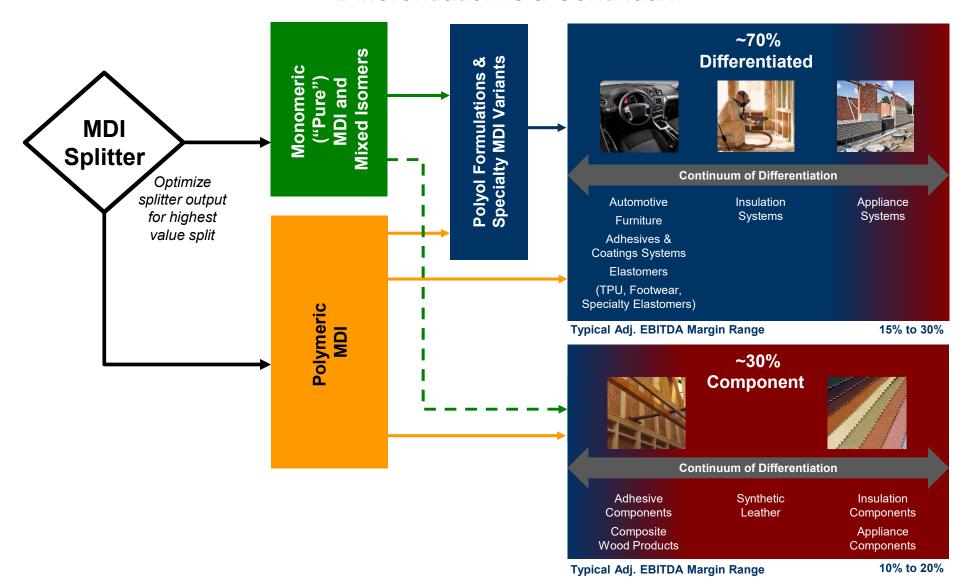
### **Textile Effects End Markets**





# **Huntsman Polyurethanes**

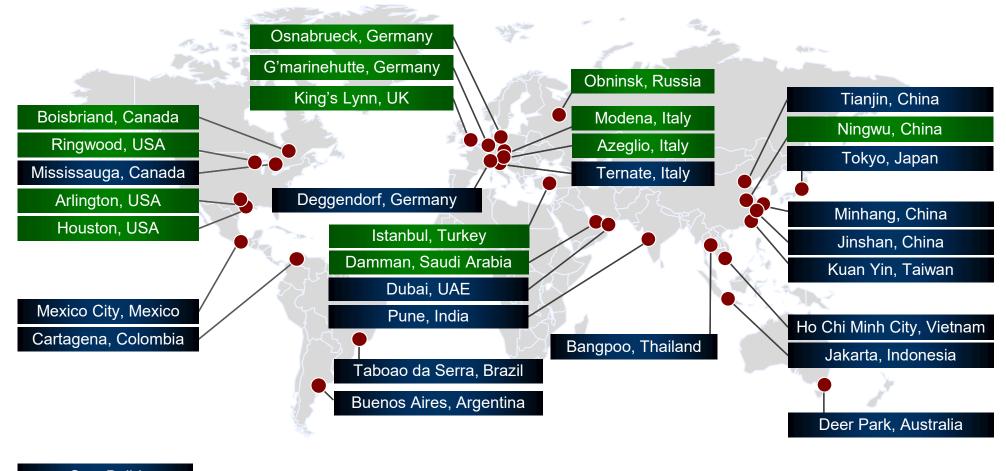
Differentiation is a Continuum



Huntsman is focused on moving downstream while developing long-term relationships with stable margins in Component MDI.

# **Polyurethanes Downstream Footprint**

Significant Expansion Program



Own Build

Acquired



# **Huntsman Polyurethanes**

New Crude MDI Splitter in Geismar, LA

### **Overview**

- Announced plan to construct new state-of-the-art MDI splitter in Geismar, LA to increase total splitting capacity
- Will increase flexibility for splitting higher margin MDI in Americas, similar split ratio to existing Europe and China facilities
- IRR substantially higher than 20% hurdle rate
- Expected operations in 2022

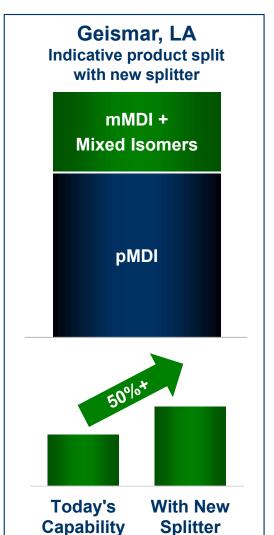
# **Replicating Global Success**

- Leverages learning from successful projects in Rotterdam & Caojing
- Modular build and design approach
- Site location minimizes interference with existing operations



Rotterdam

### **Investment to Accelerate Differentiation**





**Product Offerings** 

Remaining pMDI sold into Component markets

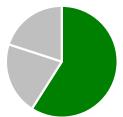
# **Performance Products Overview**







Revenue Contribution





Adj. EBITDA Margin

~15% - 20%

~5% - 15%

~20% - 25%

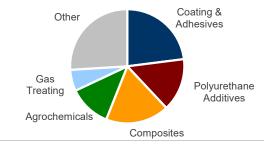
Demand Drivers

- Emissions reduction
- Composite materials
- Low-VOC polyurethanes
- Agrochemicals

- Coatings and adhesives
- High-performance lubricants
- Oilfield chemicals

- Construction
- Marine and recreational vehicles
- Food additives

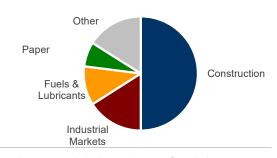
End Markets



Other Fuels & Lubricants

Paper Construction

Oil Field Coating & Adhesives



Market Positioning

- Polyetheramines: largest global producer with ~50% market share
- DGA® / Morpholine: ~50% market share
- Polyurethane additives: ~25% market share in specialty and low-emission catalysts
- Carbonates: only producer of certain carbonates in North America

- Largest global producer with full range of ethyleneamines
- Market share of ~40% in heavier slates
- Largest global producer of maleic anhydride
- Market share of ~40% in North America and Europe



# **Advanced Materials Market Positioning**

High Value Formulations Business

**Large Epoxy Players** 

**HUNTSMAN** 

**Huntsman's Position** 

**Increasing Product Differentiation in Value Chain** 

### **Raw Materials**

- Allyl Chloride
- **Epichlorohydrin**
- Phenol
- Acetone
  - **Bisphenol A**

### **Basic Resins**

- Basic Liquid Resin
- Solid Resin
- **Solutions**

## **Specialty Components**

- Modified Resins
- Multifunctional Resins

Other chemistries

- Cyanate Esters
- Benzoxazines
- Curatives

# (tailored material solutions)

# **Huntsman's Value Proposition**

**Excellent Product Performance** 

**Innovation Focus** 

**Effect Formulation Expertise** 

**Superior Productivity** In Use

**Exceptional** Supply Reliability

Focus on Customer Service

**Formulated** 

**Systems** 

# **Acquisition of CVC Thermoset Specialties**

Expanding Advanced Materials' Specialty Chemicals Portfolio

# **Acquisition Overview**

- Description: North American specialty chemical manufacturer serving the industrial adhesives, coatings and composites markets
- Manufacturing Locations: Akron, Ohio, and Maple Shade, New Jersey
- Sales Revenue: ~\$115 million
- Purchase Price: ~\$300 million, subject to customary closing adjustments; ~10x 2019 adjusted EBITDA, or ~7x – 8x pro forma for synergies (the lower multiple end being dependent upon normal growth market conditions)
- Completed: May 18, 2020

### **Strategic Rationale**

- Expands technology breadth of Huntsman Advanced Materials' portfolio through complementary product portfolio
- ✓ Offers unique and highly specialized toughening, curing and other additives used in a wide range of applications in Huntsman's current markets
- ✓ Greatly strengthens Advanced Materials' position in North America and offers raw materials and other cost synergies
- √ Will utilize Huntsman's existing asset footprint and routes to market in Europe and Asia to accelerate growth and globalize CVC Thermoset Specialties' product range

### Sales Revenue Breakdown **Regional Presence Application Mix EMEA** Other Structural Adhesives 14% 13% Electronics 36% **APAC** 16% Composites **Americas** Coatings

# A Complementary Product Portfolio Specialty Performance Resins and Additives CVC Thermoset Specialties' resins and additives improve the performance of materials in the specialty segments of the value chain Long Performance Resins and Additives Rugar Performance Resins and Additives Specialty Nitule Rugar Performance Resins and Additives Rugar Performance Resins and Additives Specialty Performance Resins and Additives Rugar Performance Resins and Additives Additives Rugar Performance Resins and Additives Additives Rugar Performance Resins and Additives Additives improve the performance of materials in the specialty segments of the value chain Additives improve the performance of materials in the specialty Nitule Rugar Performance Resins and Additives



# **Acquisition of Gabriel Performance Products**

Expanding Advanced Materials' Specialty Portfolio

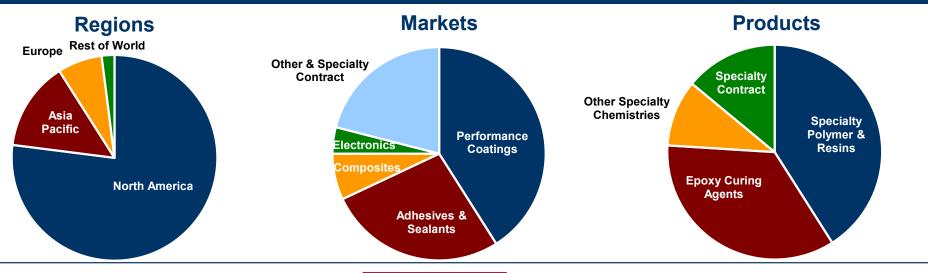
# **Acquisition Overview**

- Description: North American specialty additives and curing agents manufacturer serving the coatings, adhesives, and composites markets
- Manufacturing Locations: Ashtabula, Ohio, Harrison City, Pennsylvania, and Rock Hill, South Carolina
- 2019 Sales Revenue: ~\$106 million
- Purchase Price: ~\$250 million, subject to customary closing adjustments; ~11x 2019 adjusted EBITDA, or ~8x pro forma for synergies
- Completed: January 15, 2021

# **Strategic Rationale**

- ✓ Broadens the offering in our specialty portfolio and is complementary to our recent acquisition of CVC Thermoset Specialties
- ✓ Improved efficiencies post integration
- Strengthens our North American footprint and provides significant synergies; attractive post synergy multiple of approximately 8 times
- ✓ Opportunity to globalize newly acquired specialty products across our global footprint and customer base
- Enhances our competitiveness and our world class formulations business by improving our ability to create differentiation in our customer's applications

# **Product Globalization Opportunities for Highly Complementary Specialty Portfolio**





# **Huntsman Textile Effects Positioning**

Technologies Aligned with Macro Trends

MARKET AND INDUSTRY TRENDS

### **HUNTSMAN SOLUTION**

**BRAND PARTNERS** 

WATER AND ENERGY
CONSERVATION



Award winning new generation specialty solutions for water and energy savings





PROTECTION AND HYGIENE



Leading the transition to specialty non-fluorochemical solutions









Solution with color retention and clean chemistry for polyester fabric performance







# **Summary Financials and Reconciliation**

USD In millions	10	219	20	Q19	3	Q19	4	IQ19	F	Y19	10	220	2Q20		3Q2	:0	4Q	20	FY20	_1	Q21	20	Q21	2Q21 LTM
Segment Revenues:																								
Polyurethanes	\$	924	\$	1,014	\$	993	\$	980	\$	3,911	\$	888	\$ 73	30	\$	936	\$ 1	,030	\$ 3,584	\$	1,068	\$ 1	1,155	\$ 4,189
Performance Products		300		299		281		278		1,158		292	2:	28		238		265	1,023		305		371	1,179
Advanced Materials		272		275		256		241		1,044		241	19	92		199		207	839		278		299	983
Textile Effects		189		215		179		180		763		180	10	)2		142		173	597		193		207	715
Corporate and eliminations		(16)		(19)		(22)		(22)		(79)		(8)		(5)		(5)		(7)	(25)		(7)		(8)	(27)
Total	\$	1,669	\$	1,784	\$	1,687	\$	1,657	\$	6,797	\$	1,593	\$ 1,2	17	\$ 1,	510	\$ 1	,668	\$ 6,018	\$	1,837	\$ 2	2,024	\$ 7,039
Segment Adjusted EBITDA:																								
Polyurethanes	\$	124	\$	156	\$	146	\$	122	\$	548	\$	84	\$	31	\$	156	\$	201	\$ 472	\$	207	\$	208	\$ 772
Performance Products		45		42		38		43		168		58	:	29		36		41	164		63		88	228
Advanced Materials		53		55		51		42		201		48	;	30		25		27	130		44		58	154
Textile Effects		22		28		16		18		84		20		(4)		8		18	42		25		28	79
Corporate, LIFO and other		(40)		(36)		(36)		(43)		(155)		(45)	(;	32)		(37)		(47)	(161)		(50)		(48)	(182)
Total	\$	204	\$	245	\$	215	\$	182	\$	846	\$	165	\$	54	\$	188	\$	240	\$ 647	\$	289	\$	334	\$ 1,051
Net income (loss)	\$	131	\$	118	\$	41	\$	308	\$	598	\$	708	\$ (	59)	\$	57	\$	360	\$ 1,066	\$	100	\$	172	\$ 689
Net income attributable to noncontrolling interests		(12)		(8)		(11)		(5)		(36)		(3)		(3)		(9)		(17)	(32)		(17)		(16)	(59)
Net income (loss) attributable to Huntsman Corporation		119		110		30		303		562		705	(	52)		48		343	1,034		83		156	630
Interest expense from continuing operations		30		29		27		25		111		18	:	21		24		23	86		19		18	84
Income tax expense (benefit) from continuing operations		45		38		30		(151)		(38)		7	(	13)		15		37	46		34		42	128
Income tax expense (benefit) from discontinued operations(3)		5		14		25		(9)		35		238		1		-		3	242		-		-	3
Depreciation and amortization from continuing operations		67		69		65		69		270		67		69		70		77	283		74		73	294
Depreciation and amortization from discontinued operations <sup>(3)</sup>		23		23		13		2		61		-	-			-		-	-		-		-	-
Business acquisition and integration expenses and purchase accounting inventory adjustments		1		-		3		1		5		13		8		9		1	31		9		5	24
EBITDA from discontinued operations, net of tax <sup>(3)</sup>		(51)		(72)		(106)		(36)		(265)	(	1,015)		(6)		-		4	(1,017)		(1)		(1)	2
Loss (gain) on sale of businesses/assets		-		-		-		21		21		(2)		1		-		(279)	(280)		-		(30)	(309)
Income from transition services arrangements		-		-		-		-		-		-		(5)		(1)		(1)	(7)		(1)		(3)	(6)
Fair value adjustments to Venator investment and related loss on disposal®		(76)		18		148		(72)		18		110		(4)		(6)		(12)	88		19		6	7
Loss on early extinguishment of debt		23		-		-		-		23		-	-			-		-	-		-		27	27
Certain legal and other settlements and related expenses (income)		-		-		1		5		6		2		4		(4)		3	5		2		8	9
Certain nonrecurring information technology implementation costs		-		-		1		3		4		1		1		1		3	6		1		3	8
Amortization of pension and postretirement actuarial losses		17		16		16		17		66		18		19		20		19	76		22		21	82
Restructuring, impairment and plant closing and transition costs (credits)		1		-		(43)		1		(41)		3		19		12		18	52		24		12	66
Plant incident remediation costs (credits)		-		-		5		3		8		-		1		-		1	2		4		(3)	2
Adjusted EBITDA	\$	204	\$	245	\$	215	\$	182	\$	846	\$	165	\$	54	\$	188	\$	240	\$ 647	\$	289	\$	334	\$ 1,051

