

Earnings Summary

Third Quarter 2018

Conference Call

Tuesday, October 30, 2018 11:00 a.m. ET

U.S. Participants: (888) 713 - 4199

International Participants: (617) 213 - 4861

Passcode: 909 665 63#

Webcast: ir.huntsman.com

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, volatile global economic conditions, cyclical and volatile product markets, disruptions in production at manufacturing facilities, 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, 2017.

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 EBITDA, 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 in the financial schedules attached to the earnings news release and available on the Company's website at http://ir.huntsman.com/.

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.



Highlights

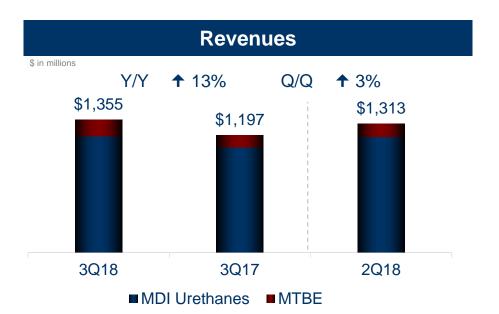
(\$ in millions, except per share amounts)	3Q18	3Q17	2Q18
Revenues	\$ 2,444	\$2,169	\$2,404
Net (loss) income	\$ (8)	\$ 179	\$ 623
Adjusted net income	\$ 202	\$ 164	\$ 246
Diluted (loss) income per share	\$ (0.05)	\$ 0.60	\$ 1.71
Adjusted diluted income per share	\$ 0.84	\$ 0.67	\$ 1.01
Adjusted EBITDA	\$ 374	\$ 340	\$ 415
Net cash provided by operating activities			
from continuing operations	\$ 295	\$ 261	\$ 228
Free cash flow	\$ 226	\$ 227	\$ 174

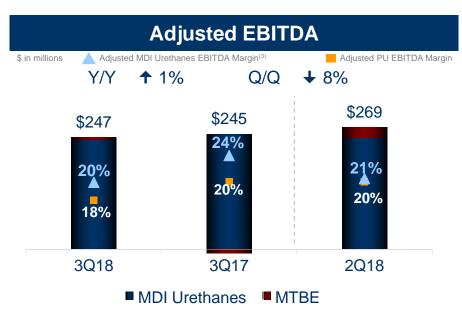
Note: Pigments & Additives business is treated as discontinued operations in all periods shown See Appendix for reconciliations and important explanatory notes



Polyurethanes

Third Quarter 2018





	Price: Local ⁽¹⁾	Price: FX ⁽¹⁾	Mix & Other	Volume ⁽²⁾
Y/Y	↑ 5%		↓ 2%	1 0%
Y/Y ⁽⁴⁾	1 4%		↑ 6%	↑ 3%
Q/Q	↓ 2%	↓ 2%		↑ 7%
Q/Q ⁽⁵⁾	↓ 2%	↓ 2%		↑ 7%

- (1) Excludes sales from tolling, by-products and raw materials.
- (2) Excludes sales volumes of by-products and raw materials.
- (3) Excludes MTBE.
- (4) Pro forma adjusted to exclude the impact from Hurricane Harvey in 3Q17 and 3Q18 Rotterdam outages onset by 3rd party constraints..
- (5) Pro forma adjusted for the 2Q18 and 3Q18 Rotterdam outages onset by 3rd party constraints.

Highlights

Current Quarter

- + Differentiated MDI volumes grew 6%
- + Stable differentiated MDI margins
- Production constraints at Rotterdam impacted EBITDA ~\$20mm

- + Continued stable downstream margins and differentiated growth
- + Volume benefit from China JV expansion
- More pronounced seasonality with certain customer destocking
- Lower component polymeric MDI margins
- Breakeven MTBE margins

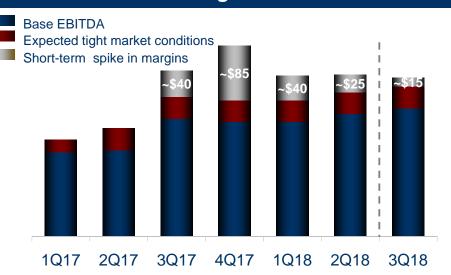


Huntsman MDI Overview

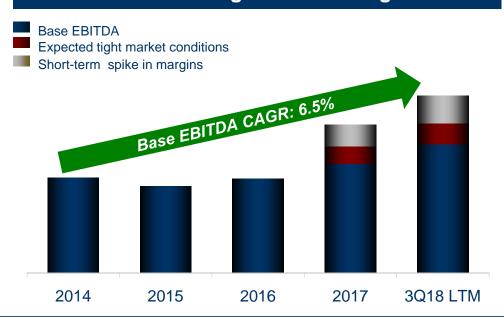
Industry status

- Current global effective operating rates are ~90%
- Differentiated margins stable and demand solid globally
- Exposure to component pricing is contained to < 30% of our global business
- Component MDI pricing (YoY):
 - China declined by ~25%
 - Europe declined by ~15%
 - US component MDI spot prices decreased in Q3 (minimal exposure for HUN)

Continued focus on growth in core business

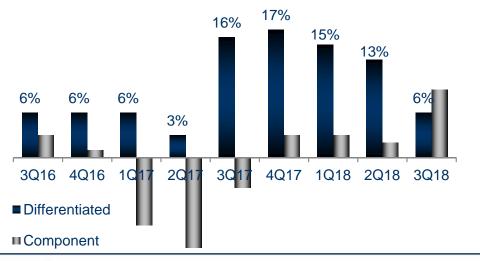


Consistent strong core EBITDA growth



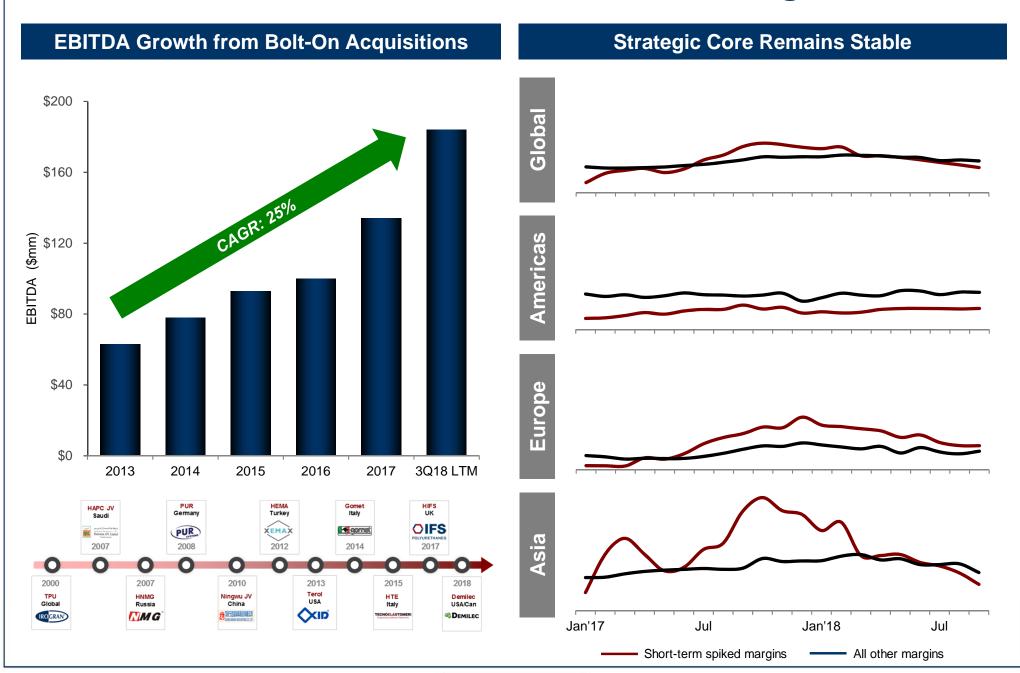
Focus on differentiated volume growth

Continued volume growth in more stable, high value differentiated business





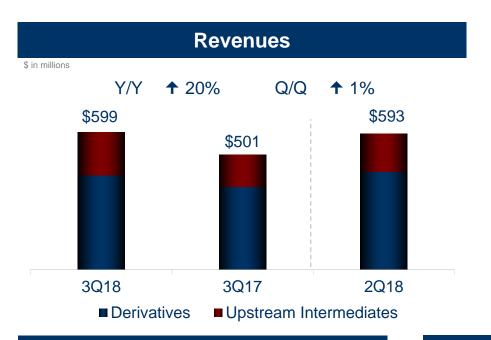
Stable Downstream Growth and Margins

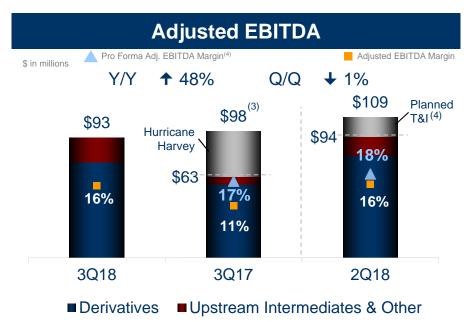




Performance Products

Third Quarter 2018





Sales Factors												
	Price: Local ⁽¹⁾	Price: FX ⁽¹⁾	Mix & Other	Volume ⁽²⁾								
Y/Y	↑ 6%	↓ 1%	→ 6%	1 21%								
Y/Y ⁽³⁾	↑ 6%	↓ 1%	↓ 3%	→ 1%								
Q/Q		↓ 1%	→ 5%	↑ 7%								
Q/Q ⁽⁴⁾		↓ 1%	4 %	1 4%								

Highlights

Current Quarter

- + Volume and margin growth in specialty amines and maleic anhydride
- Unplanned outage and ethane spike impacted EBITDA by ~\$7mm

- + Growth in differentiated derivatives business
- Fourth quarter seasonality



⁽¹⁾ Excludes sales from tolling, by-products and raw materials.

⁽²⁾ Excludes sales volumes of by-products and raw materials.

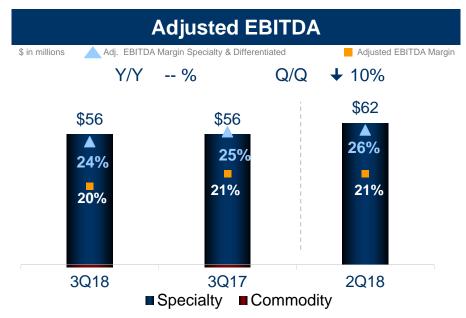
⁽³⁾ Pro forma adjusted to exclude the impact from Hurricane Harvey in 3Q17.

⁽⁴⁾ Pro forma adjusted to exclude the impact of the Planned T&I in 2Q18.

Advanced Materials

Third Quarter 2018





Sales Factors

	Price: Local ⁽¹⁾	Price: FX ⁽¹⁾	Mix & Other	Volume ⁽²⁾
Y/Y	↑ 5%	↓ 1%	↓ 3%	↑ 5%
Q/Q		→ 3%		↓ 1%

Highlights

Current Quarter

+ Specialty volumes grew 2% YOY

- + Continued growth in specialty business
- More pronounced seasonality with certain customer destocking

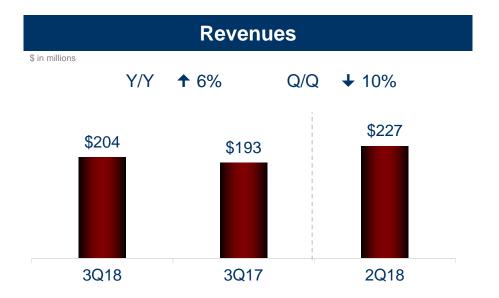


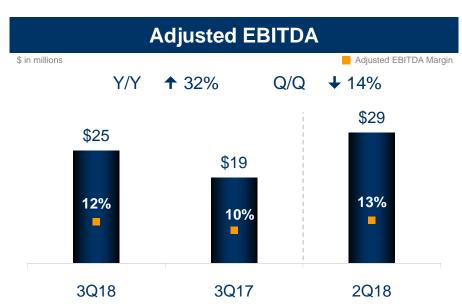
⁽¹⁾ Excludes sales from tolling, by-products and raw materials

⁽²⁾ Excludes sales volumes of by-products and raw materials

Textile Effects

Third Quarter 2018





Sales Factors

	Price: Local ⁽¹⁾	Price: FX ⁽¹⁾	Mix & Other	Volume ⁽²⁾
Y/Y	1 2%	↓ 2%		4 %
Q/Q	↑ 6%	↓ 3%		↓ 13%

(1) Excludes sales from tolling, by-products and raw materials (2) Excludes sales volumes of by-products and raw materials

Highlights

Current Quarter

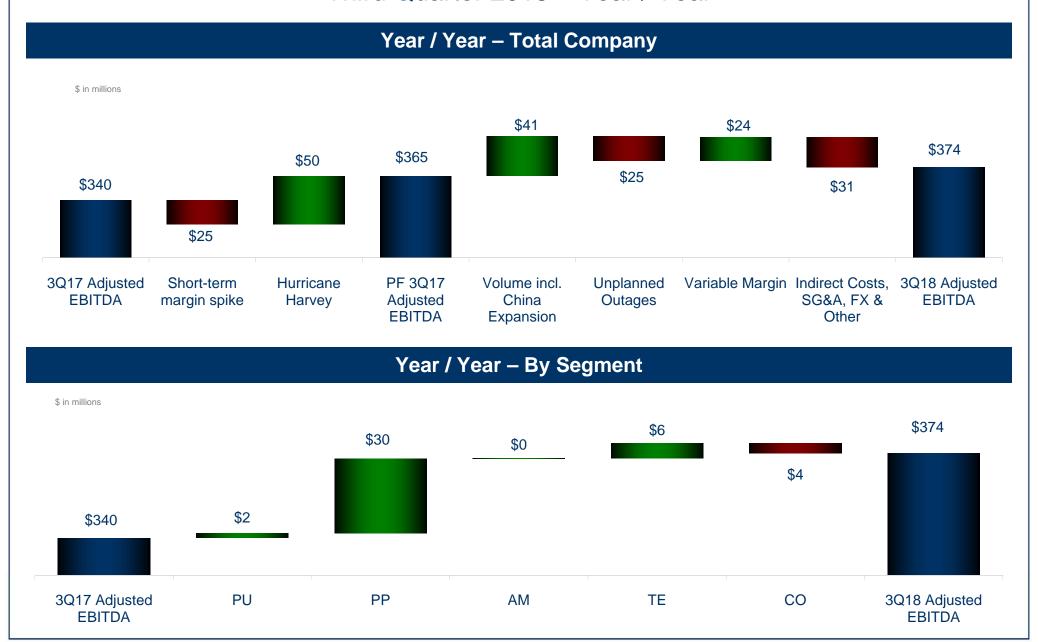
- + Specialty products up 9% YOY
- + 12 straight quarters YOY EBITDA growth

- + Growth in specialty product lines
- Continued disruption in China raw material supply
- Headwinds in raw materials offset by price increases



Adjusted EBITDA Bridge

Third Quarter 2018 – Year / Year





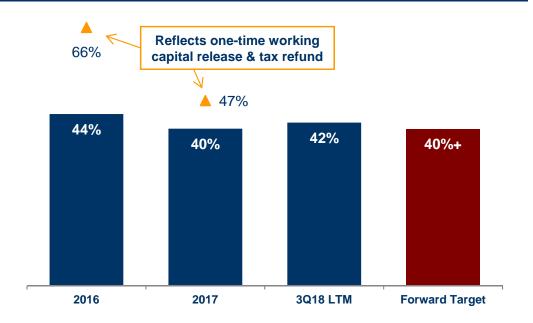
Finance and Cash Considerations

Annual free cash flow target of \$550mm-\$625mm

\$ in millions	3	Q18	3	Q17	'1	'18 YTD		YTD
Adjusted EBITDA	\$	374	\$	340	\$	1,194	\$	899
Capital expenditures, net		(69)		(58)		(176)		(158)
Cash interest		(14)		(30)		(73)		(122)
Cash income taxes		(40)		(21)		(117)		36
Primary working capital change		(86)		7		(237)		(171)
Restructuring		(1)		(7)		(7)		(26)
Pension		(36)		(48)		(95)		(85)
Maintenance & other		98		44		(33)		31
Free Cash Flow	\$	226	\$	227	\$	456	\$	404

Note: All periods exclude Pigments & Additives business

Consistent Strong Free Cash Flow Conversion



Liquidity, Debt & Cash Considerations

Liquidity

- \$1,529mm combined cash and unused borrowing capacity
- 2018 expected capital expenditures of between \$300mm and \$320mm

Taxes

- 3Q18 Adj. effective tax rate at 20%
- 2018 effective tax rate 19%-21%, long-term rate 23%-25%

Other

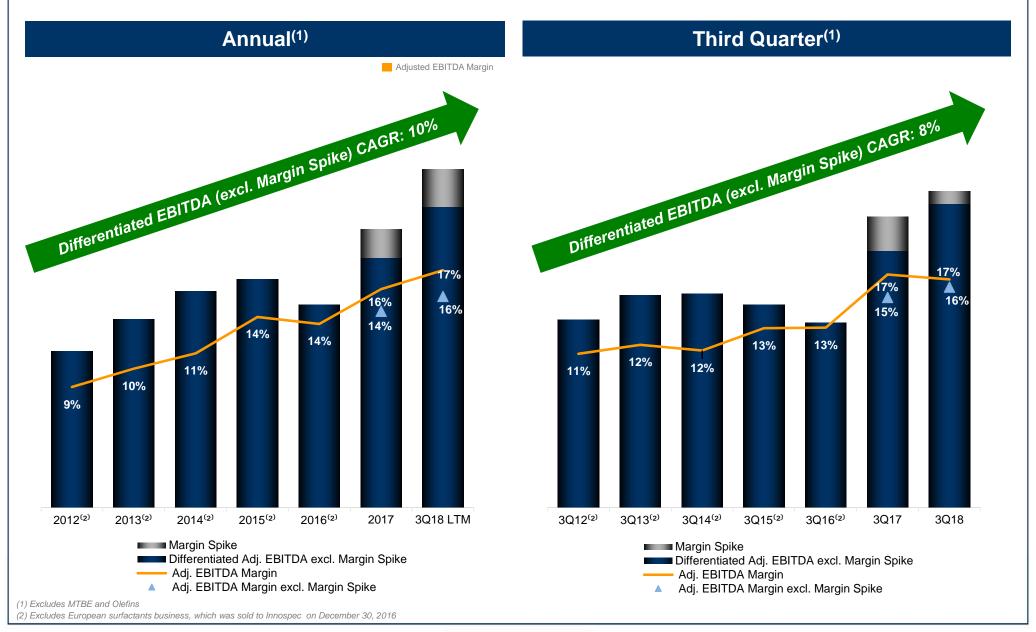
- September YTD repurchases ~\$175mm, or approximately 5.9mm shares under \$1bn share repurchase program
- Noncontrolling interest on the balance sheet includes \$753mm related to Venator

Investment Grade Metrics Maintained





Differentiated Adjusted EBITDA⁽¹⁾

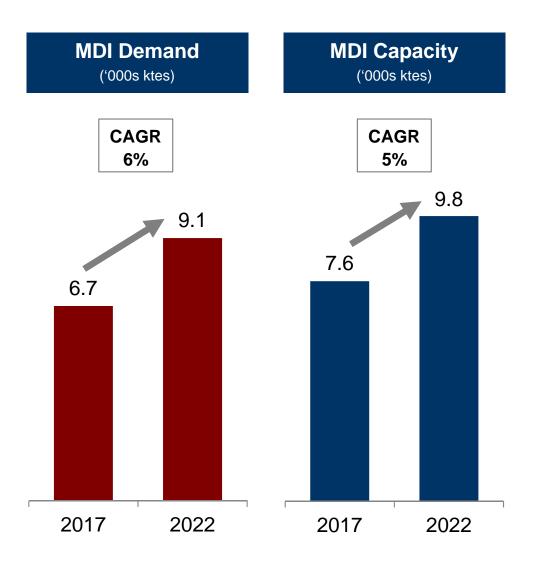






MDI Industry Capacity Utilization

Over the Next 5 Years Demand Will Continue to Outstrip Supply Additions



New Investments 2018 - 2022									
Company	Country	ktes							
Wanhua	China	+800							
BASF	US	+300							
SLIC/HUN	China	+240 (HUN =200/240)							
Covestro	Germany	+200							
Covestro	China	+140							
K.Mitsui	Korea	+100							
Wanhua	Hungary	+60							
Covestro	Europe	+50							

Note: 2022 capacity bar charts to the left include BASF Chonging and Sadara realization of full capacity.

Note: * Operating capacity Source: Management Estimates

Adjusted EBITDA Reconciliation

(\$ in millions)	3Q16	4Q16	1Q17	2Q17	3Q17	4Q17	1Q18	2Q18	3Q18
Net Income (loss)	\$ 64	\$ 137	\$ 92	\$ 183	\$ 179	\$ 287	\$ 350	\$ 623	\$ (8)
Net income attributable to noncontrolling interests	(9)	(9	•	•	(32)	(41)	(76)	(209)	(3)
Net income (loss) attributable to Huntsman Corporation	\$ 55	\$ 128	\$ 76	\$ 167	\$ 147	\$ 246	\$ 274	\$ 414	\$ (11)
Interest expense, net	Ψ 55 52	Ψ 120 50		47	39	31	27	29	30
Income tax expense (benefit)	6	44		24	35	(14)	53	4	27
Depreciation and amortization	83	80		79	80	84	82	83	85
Interest, income taxes, depreciation and amortization in discontinued operations	23	14		50	34	37	29	95	(42)
Acquisition and integration expenses, purchase accounting adjustments	6	1		4	10	2	1	7	2
EBITDA from discontinued operations	(47)	(18			(97)	(94)	(143)	(429)	279
Noncontrolling interest of discontinued operations	3	. 3		3	12	31	55	188	(21)
U.S. tax reform impact on noncontrolling interest	-	-	-	- (0)	-	(6)	-	-	-
(Gain) loss on disposition of businesses/assets Loss on early extinguishment of debt	1	(97) -	(8)	- 35	(1) 18	-	3	-
Certain legal and other settlements and related expenses (income)	-	1		1	-	(12)	7	3 1	- 1
Plant incident remediation costs	-		_		13	3	-		-
Expenses associated with merger	-		-	6	12	10	-	1	1
Amortization of pension and postretirement actuarial losses	14	13	19	17	19	18	17	18	18
Restructuring, impairment, plant closing and transition costs (credits)	38	(9) 9	3	1	7	3	1	5
Adjusted EBITDA	234	210	260	299	340	360	405	415	374
Sale of European differentiated surfactants business ⁽²⁾	(7)	(6	. (_	_	_	_	_	_
Proforma adjusted EBITDA	\$ 227	\$ 204		\$ 299	\$ 340	\$ 360	\$ 405	\$ 415	\$ 374
	2012	2013	2014	2015	2016	2017	3Q18 LTM		
Net Income	\$ 373	\$ 149	\$ 345	\$ 126	\$ 357	\$ 741	\$1,252		
Net income attributable to noncontrolling interests	ψ 373 (10)	ψ 1 4 3	•		(31)	(105)	(329)		
· ·									
Net income attributable to Huntsman Corporation	\$ 363	\$ 128		\$ 93	\$ 326	\$ 636	\$ 923		
Interest expense, net	226	190		205	203	165	117		
Income tax expense	104	109		60	109	64	70		
Depreciation and amortization	350	364		298	318	319	334		
Interest, income taxes, depreciation and amortization in discontinued operations Loss on initial consolidation of subsidiaries	144 4	98	77	85	89	154	119		
Acquisition and integration expenses, purchase accounting adjustments	5	11	7	9	12	19	12		
EBITDA from discontinued operations	(350)	(78		217	(81)	(312)	(387)		
Noncontrolling interest of discontinued operations	-	(. 1	7	11	49	253		
U.S. tax reform impact on noncontrolling interest	_			-	-	(6)	(6)		
(Gain) loss on disposition of businesses/assets	-		(2)) 1	(97)	(9)	(1)		
Loss on early extinguishment of debt	80	51		31	3	54	21		
Extraordinary loss on the acquisition of a business	(2)			-	-	-			
Certain legal and other settlements and related expenses (income)	2	4		1	1	(11)	(3)		
Plant incident remediation costs	-		-	-	_	16	3		
Purchase accounting inventory adjustments	-	1	2			-	-		
Expenses associated with merger	-			-	-	28	12	(1) P	ro forma adjusted to
Amortization of pension and postretirement actuarial losses	33	64	41	66	55	73	71	inclu	de the Polyurethanes
Restructuring, impairment, plant closing and transition costs	105	160		87	48	20	16		em house acquired from
Adjusted EBITDA	1,064	1,102		1,160	997	1,259	1,554		wood in October 2014. Pro forma adjusted for the
Acquisition of DLL Systems haves from Booky and (1)									of the European
Acquisition of PU Systems house from Rockwood ⁽¹⁾	5	(4.0		- (64)	(00)	-	-	Surfa	actants business on
Sale of European differentiated surfactants business ⁽²⁾ Proforma adjusted EBITDA	\$1,056	\$1,098			\$ 969	\$1,259	\$1,554	Dece	ember 30. 2016.



Revenue, Adjusted EBITDA & Margin by Segment

(A): 'H':)		- (3(3)	Pro For	(3)(3)		(9)	-	- (a)											
(\$ in millions) Revenue		Forma ⁽²⁾⁽³⁾		ma©© 016	Pro Fo 1Q			o Forma ⁽²⁾ 2Q17		3Q17		4Q17		1Q18		2Q18		3Q18	
																	_		
Polyurethanes	\$	891	\$	964	\$	953	\$	1,022	\$	1,197	\$	1,227	\$	1,222	\$	1,313	\$	1,355	
Performance Products		451		452		533		561		501		514		603		593		599	
Advanced Materials		247		246		259		260		263		258		279		292		279	
Textile Effects		184		184		188		205		193		190		200		227		204	
Corporate, LIFO and other				(5)		(1)		6		15		14		(9)	_	(21)	_	7	
Total	\$	1,773	\$	1,841	\$	1,932	\$	2,054	\$	2,169	\$	2,203	\$	2,295	\$	2,404	\$	2,444	
_		Forma ⁽²⁾⁽³⁾		ma ⁽²⁾⁽³⁾	Pro For			Forma ⁽²⁾⁽³⁾	Pro	Forma ⁽²⁾⁽³⁾	Pr	ro Forma ⁽²⁾							
Revenue		2012	20	13	20	14		2015		2016		2017		18 LTM					
Polyurethanes	\$	4,915	\$	4,991	\$	5,053	\$	3,811	\$	3,667	\$	4,399	\$	5,117					
Performance Products		2,574		2,566		2,695		2,251		1,885		2,109		2,309					
Advanced Materials		1,325		1,267		1,248		1,103		1,020		1,040		1,108					
Textile Effects		752		811		896		804		751		776		821					
Corporate, LIFO and other		(285)		(251)		(219)		(80)		(46)		34_		(9)					
Total	\$	9,281	\$	9,384	\$	9,673	\$	7,889	\$	7,277	\$	8,358	\$	9,346					
(\$ in millions)	Pro I	Forma ⁽²⁾⁽³⁾	Pro For	ma ⁽²⁾⁽³⁾	Pro Fo	rma ⁽²⁾	Pro	Forma ⁽²⁾											
Adjusted EBITDA ⁽¹⁾	;	3Q16	4C	16	1Q	17		2Q17		3Q17		4Q17		1Q18		2Q18		3Q18	
Polyurethanes	\$	137	\$	130	\$	144	\$	167	\$	245	\$	294	\$	261	\$	269	\$	247	
Performance Products	*	63	*	62	*	84	*	102	*	63	*	47	*	102	*	94	*	93	
Advanced Materials		55		50		54		56		56		53		59		62		56	
Textile Effects		17		14		21		24		19		19		26		29		25	
Corporate, LIFO and other		(45)		(52)		(43)		(50)		(43)		(53)		(43)		(39)		(47)	
Total	\$	227	\$	204	\$	260	\$	299	\$	340	\$	360	\$	405	\$	415	\$	374	
	Pro I	Forma ⁽²⁾⁽³⁾	Pro For	ma ⁽²⁾⁽³⁾	Pro For	ma ⁽²⁾⁽³⁾	Pro	Forma ⁽²⁾⁽³⁾	Pro	Forma ⁽²⁾⁽³⁾	Pr	ro Forma ⁽²⁾							
												2017	20	18 LTM					
Adjusted FRITDA ⁽¹⁾		2012	20	113	20	14		2015		2016									
Adjusted EBITDA ⁽¹⁾		2012		746	20			2015		2016	Ф.								
Polyurethanes	\$	793	\$	746	\$	728	\$	573	\$	569	\$	850	\$	1,071					
Polyurethanes Performance Products		793 356		746 393		728 465		573 439	\$	569 288	\$	850 296		1,071 336					
Polyurethanes Performance Products Advanced Materials		793 356 98		746 393 131		728 465 199		573 439 220	\$	569 288 223	\$	850 296 219		1,071 336 230					
Polyurethanes Performance Products Advanced Materials Textile Effects		793 356 98 (20)		746 393 131 16		728 465 199 58		573 439 220 63	\$	569 288 223 73	\$	850 296 219 83		1,071 336 230 99					
Polyurethanes Performance Products Advanced Materials Textile Effects Corporate, LIFO and other	\$	793 356 98 (20) (171)	\$	746 393 131 16 (188)	\$	728 465 199 58 (187)	\$	573 439 220 63 (156)		569 288 223 73 (184)		850 296 219 83 (189)	\$	1,071 336 230 99 (182)					
Polyurethanes Performance Products Advanced Materials Textile Effects		793 356 98 (20)		746 393 131 16		728 465 199 58		573 439 220 63	\$	569 288 223 73	\$	850 296 219 83		1,071 336 230 99					
Polyurethanes Performance Products Advanced Materials Textile Effects Corporate, LIFO and other	\$	793 356 98 (20) (171) 1,056	\$	746 393 131 16 (188) 1,098	\$	728 465 199 58 (187) 1,263	\$	573 439 220 63 (156) 1,139		569 288 223 73 (184)		850 296 219 83 (189)	\$	1,071 336 230 99 (182)					
Polyurethanes Performance Products Advanced Materials Textile Effects Corporate, LIFO and other Total	\$ Pro	793 356 98 (20) (171) 1,056	\$ Pro Foi	746 393 131 16 (188) 1,098	\$ Pro Fo	728 465 199 58 (187) 1,263	\$ \$	573 439 220 63 (156) 1,139		569 288 223 73 (184) 969		850 296 219 83 (189) 1,259	\$	1,071 336 230 99 (182) 1,554		2018		3018	
Polyurethanes Performance Products Advanced Materials Textile Effects Corporate, LIFO and other Total Adj. EBITDA Margin	\$ Pro	793 356 98 (20) (171) 1,056	\$ Pro Foi	746 393 131 16 (188) 1,098	\$	728 465 199 58 (187) 1,263	\$ \$	573 439 220 63 (156) 1,139		569 288 223 73 (184) 969		850 296 219 83 (189) 1,259	\$	1,071 336 230 99 (182) 1,554		2Q18 20%		3Q18 18%	
Polyurethanes Performance Products Advanced Materials Textile Effects Corporate, LIFO and other Total Adj. EBITDA Margin Polyurethanes	\$ Pro	793 356 98 (20) (171) 1,056 Forma ⁽²⁾⁽³⁾ 3Q16 15%	\$ Pro Foi	746 393 131 16 (188) 1,098 ma ⁽²⁾⁽³⁾ 216	\$ Pro Fo	728 465 199 58 (187) 1,263 rma ⁽²⁾ 17	\$ \$	573 439 220 63 (156) 1,139 D Forma ⁽²⁾ 2Q17 16%		569 288 223 73 (184) 969 3Q17		850 296 219 83 (189) 1,259 4Q17 24%	\$	1,071 336 230 99 (182) 1,554		20%		18%	
Polyurethanes Performance Products Advanced Materials Textile Effects Corporate, LIFO and other Total Adj. EBITDA Margin Polyurethanes Performance Products	\$ Pro	793 356 98 (20) (171) 1,056 Forma ⁽²⁾⁽³⁾ 3Q16 15% 14%	\$ Pro Foi	746 393 131 16 (188) 1,098 ma ⁽²⁾⁽³⁾ 216 13% 14%	\$ Pro Fo	728 465 199 58 (187) 1,263 ma ⁽²⁾ 17 15% 16%	\$ \$	573 439 220 63 (156) 1,139 0 Forma ⁽²⁾ 2Q17 16% 18%		569 288 223 73 (184) 969 3Q17 20% 13%		850 296 219 83 (189) 1,259 4Q17 24% 9%	\$	1,071 336 230 99 (182) 1,554 1Q18 21% 17%		20% 16%		18% 16%	
Polyurethanes Performance Products Advanced Materials Textile Effects Corporate, LIFO and other Total Adj. EBITDA Margin Polyurethanes Performance Products Advanced Materials	\$ Pro	793 356 98 (20) (171) 1,056 Forma ⁽²⁾⁽³⁾ 3Q16 15% 14% 22%	\$ Pro Foi	746 393 131 16 (188) 1,098 ma ⁽²⁾⁽³⁾ 116 13% 14% 20%	\$ Pro Fo	728 465 199 58 (187) 1,263 17 15% 16% 21%	\$ \$	573 439 220 63 (156) 1,139 0 Forma ⁽²⁾ 2Q17 16% 18% 22%		569 288 223 73 (184) 969 3Q17 20% 13% 21%		850 296 219 83 (189) 1,259 4Q17 24% 9% 21%	\$	1,071 336 230 99 (182) 1,554 1Q18 21% 17% 21%		20% 16% 21%		18% 16% 20%	
Polyurethanes Performance Products Advanced Materials Textile Effects Corporate, LIFO and other Total Adj. EBITDA Margin Polyurethanes Performance Products Advanced Materials Textile Effects	\$ Pro	793 356 98 (20) (171) 1,056 Forma ⁽²⁾⁽³⁾ 3Q16 15% 14% 22% 9%	\$ Pro Foi	746 393 131 16 (188) 1,098 116 13% 14% 20% 8%	\$ Pro Fo	728 465 199 58 (187) 1,263 17 15% 16% 21% 11%	\$ \$	573 439 220 63 (156) 1,139 0 Forma ⁽²⁾ 2Q17 16% 18% 22% 12%		569 288 223 73 (184) 969 3Q17 20% 13% 21% 10%		850 296 219 83 (189) 1,259 4Q17 24% 9% 21% 10%	\$	1,071 336 230 99 (182) 1,554 1018 21% 17% 21% 13%		20% 16% 21% 13%		18% 16% 20% 12%	
Polyurethanes Performance Products Advanced Materials Textile Effects Corporate, LIFO and other Total Adj. EBITDA Margin Polyurethanes Performance Products Advanced Materials	\$ Pro	793 356 98 (20) (171) 1,056 Forma ⁽²⁾⁽³⁾ 3Q16 15% 14% 22%	\$ Pro Foi	746 393 131 16 (188) 1,098 ma ⁽²⁾⁽³⁾ 116 13% 14% 20%	\$ Pro Fo	728 465 199 58 (187) 1,263 17 15% 16% 21%	\$ \$	573 439 220 63 (156) 1,139 0 Forma ⁽²⁾ 2Q17 16% 18% 22%		569 288 223 73 (184) 969 3Q17 20% 13% 21%		850 296 219 83 (189) 1,259 4Q17 24% 9% 21%	\$	1,071 336 230 99 (182) 1,554 1Q18 21% 17% 21%		20% 16% 21%		18% 16% 20%	
Polyurethanes Performance Products Advanced Materials Textile Effects Corporate, LIFO and other Total Adj. EBITDA Margin Polyurethanes Performance Products Advanced Materials Textile Effects	\$ Pro	793 356 98 (20) (171) 1,056 Forma(2013) 3Q16 15% 14% 22% 9% 13%	\$ Pro Fot	746 393 131 16 (188) 1,098 116 13% 14% 20% 8% 11%	\$ Pro Fo 1Q	728 465 199 58 (187) 1,263 17 15% 16% 21% 11% 13%	\$ Pro	573 439 220 63 (156) 1,139 D Forma ⁽²⁾ 2Q17 16% 18% 22% 12% 15%	\$	569 288 223 73 (184) 969 3Q17 20% 13% 21% 10%	\$	850 296 219 83 (189) 1,259 4Q17 24% 9% 21% 10% 16%	\$	1,071 336 230 99 (182) 1,554 1018 21% 17% 21% 13%		20% 16% 21% 13%		18% 16% 20% 12%	
Polyurethanes Performance Products Advanced Materials Textile Effects Corporate, LIFO and other Total Adj. EBITDA Margin Polyurethanes Performance Products Advanced Materials Textile Effects Total	\$ Pro I	793 356 98 (20) (171) 1,056 Forma ⁽²⁾⁽³⁾ 3Q16 15% 14% 22% 9% 13%	\$ Pro Foi 4C	746 393 131 16 (188) 1,098 ma ⁽²⁾⁽³⁾ 11% 13% 14% 20% 8% 11%	\$ Pro Fo 1Q	728 465 199 58 (187) 1,263 72 17 15% 16% 21% 11% 13%	\$ Pro	573 439 220 63 (156) 1,139 D Forma ⁽²⁾ 2Q17 16% 18% 22% 12% 15%	\$	3Q17 20% 13% 21% 10% 20 Forma ⁽²⁾⁽³⁾	\$	850 296 219 83 (189) 1,259 4Q17 24% 9% 21% 10% 16%	\$	1,071 336 230 99 (182) 1,554 1Q18 21% 17% 21% 13% 18%		20% 16% 21% 13% 17%		18% 16% 20% 12% 15%	o see previous page
Polyurethanes Performance Products Advanced Materials Textile Effects Corporate, LIFO and other Total Adj. EBITDA Margin Polyurethanes Performance Products Advanced Materials Textile Effects Total Adj. EBITDA Margin	\$ Pro I	793 356 98 (20) (171) 1,056 Forma ⁽²⁾⁽³⁾ 3Q16 15% 14% 22% 9% 13%	\$ Pro Foi 4C	746 393 131 16 (188) 1,098 ma ⁽²⁾⁽³⁾ 116 13% 14% 20% 8% 11%	\$ Pro Fo 1Q	728 465 199 58 (187) 1,263 ma ⁽²⁾ 17 15% 16% 21% 13% ma ⁽²⁾⁽³⁾ 14	\$ Pro	573 439 220 63 (156) 1,139 D Forma ⁽²⁾ 2Q17 16% 18% 22% 15% Forma ⁽²⁾⁽³⁾ 2015	\$	569 288 223 73 (184) 969 3Q17 20% 13% 21% 10% 16%	\$	850 296 219 83 (189) 1,259 4Q17 24% 9% 21% 10% 16%	\$	1,071 336 230 99 (182) 1,554 1Q18 21% 17% 21% 13% 18%		20% 16% 21% 13% 17%		18% 16% 20% 12% 15%	n see previous page.
Polyurethanes Performance Products Advanced Materials Textile Effects Corporate, LIFO and other Total Adj. EBITDA Margin Polyurethanes Performance Products Advanced Materials Textile Effects Total Adj. EBITDA Margin Polyurethanes	\$ Pro I	793 356 98 (20) (171) 1,056 Forma ⁽²⁾⁽³⁾ 3Q16 15% 14% 22% 9% 13% Forma ⁽²⁾⁽³⁾ 2012 16%	\$ Pro Foi 4C	746 393 131 16 (188) 1,098 1166 13% 144% 20% 8% 11% 1181 15%	\$ Pro Fo 1Q	728 465 199 58 (187) 1,263 17 15% 16% 21% 11% 13% ma ⁽²⁾ (3) 14 14%	\$ Pro	573 439 220 63 (156) 1,139 D Forma ⁽²⁾ 2Q17 16% 18% 22% 12% 15%	\$	3Q17 20% 13% 21% 10% 16% 5 Forma ⁽²⁾⁽³⁾ 2016 16%	\$	850 296 219 83 (189) 1,259 4Q17 24% 9% 21% 10% 16% 2017 19%	\$	1,071 336 230 99 (182) 1,554 1Q18 21% 21% 13% 18%		20% 16% 21% 13% 17%	2) Pro igme	18% 16% 20% 12% 15% r a reconciliation of forma adjusted onts & Additives	to exclude the business (Venator),
Polyurethanes Performance Products Advanced Materials Textile Effects Corporate, LIFO and other Total Adj. EBITDA Margin Polyurethanes Performance Products Advanced Materials Textile Effects Total Adj. EBITDA Margin Polyurethanes Performance Products	\$ Pro I	793 356 98 (20) (171) 1,056 Forma ⁽²⁾⁽³⁾ 3Q16 15% 14% 22% 9% 13% Forma ⁽²⁾⁽³⁾ 2012 16% 14%	\$ Pro Foi 4C	746 393 131 16 (188) 1,098 1166 13% 144% 20% 8% 111% 1386 1196 15%	\$ Pro Fo 1Q	728 465 199 58 (187) 1,263 17 15% 16% 21% 11% 13% 144 14% 17%	\$ Pro	573 439 220 63 (156) 1,139 D Forma ⁽²⁾ 2Q17 16% 18% 22% 12% 15% 5015 15% 2015	\$	3Q17 20% 13% 21% 10% 16% 16% 15%	\$	850 296 219 83 (189) 1,259 4Q17 24% 9% 21% 10% 16% ro Forma ⁽²⁾ 2017 19% 14%	\$	1,071 336 230 99 (182) 1,554 1Q18 21% 13% 13% 188 18 LTM 21% 15%		20% 16% 21% 13% 17%	2) Pro Pigme /hich	18% 16% 20% 12% 15% r a reconciliation of forma adjusted its & Additives is treated as dis	I to exclude the business (Venator), continued operations.
Polyurethanes Performance Products Advanced Materials Textile Effects Corporate, LIFO and other Total Adj. EBITDA Margin Polyurethanes Performance Products Advanced Materials Textile Effects Total Adj. EBITDA Margin Polyurethanes Performance Products Advanced Materials Adj. EBITDA Margin Polyurethanes Performance Products Advanced Materials	\$ Pro I	793 356 98 (20) (171) 1,056 Forma ⁽²⁾⁽³⁾ 3Q16 15% 14% 22% 9% 13% Forma ⁽²⁾⁽³⁾ 2012 16% 14% 7%	\$ Pro Foi 4C	746 393 131 16 (188) 1,098 1166 13% 14% 20% 8% 11% ma(²²⁽³⁾ 113 15% 15% 10%	\$ Pro Fo 1Q	728 465 199 58 (187) 1,263 17 15% 16% 21% 11% 13% ma ⁽²⁾⁽³⁾ 14 14% 17% 16%	\$ Pro	573 439 220 63 (156) 1,139 D Forma ⁽²⁾ 2Q17 16% 18% 22% 12% 15% 2015 15% 20% 20%	\$	3Q17 20% 13% 21% 10% 16% 15% 22%	\$	850 296 219 83 (189) 1,259 4Q17 24% 9% 21% 10% 16% or Forma ⁽²⁾ 2017 19% 14% 21%	\$	1,071 336 230 99 (182) 1,554 1018 21% 17% 21% 13% 18% 18 18 LTM 21% 15% 21%		20% 16% 21% 13% 17%	2) Pro Pigme hich 3) Pro	18% 16% 20% 12% 15% r a reconciliation of forma adjusted rus & Additives is treated as dis of forma adjusted.	I to exclude the business (Venator), continued operations. I for the sale of the
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