



Q4 & Full Year 2018 Earnings Presentation



Forward Looking Statements & Disclosures

Forward Looking Statements: With the exception of the historical information contained in this presentation, the matters described herein contain forward-looking statements that are made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. The forward-looking statements contained herein include, but are not limited to, information regarding the ability of NN, Inc. ("NN") and Paragon Medical, Inc. ("Paragon") to complete the transactions contemplated by the Stock Purchase Agreement, dated April 2, 2018, including the satisfaction of conditions to the transactions set forth in the Stock Purchase Agreement, and NN's and the combined entity's estimated or anticipated future results of operations. These forward-looking statements involve risks and uncertainties that could cause NN's and the combined entity's results to differ materially from management's current expectations. Such risks and uncertainties include, but are not limited to, general economic conditions and economic conditions in the industrial sector, competitive influences, risks that current customers of NN or Paragon will commence or increase captive production, delayed customer product launches, risks of capacity underutilization, quality issues, availability of raw materials, currency, pending and complete transactions and other risks associated with international trade, the Company's dependence on certain major customers, unforeseen changes in future revenues, earnings and profitability of NN or Paragon, the risk that NN is not able to realize the savings or benefits expected from integration and restructuring activities related to the proposed acquisition of Paragon, the risk that the required regulatory approvals for the proposed acquisition of NN are not obtained, are delayed or are subject to conditions that are not anticipated, and those risks and uncertainties discussed in NN's Annual Report on Form 10-K filed with the Securities and Exchange Commission on April 2, 2018.

This presentation contains certain forward looking non-GAAP financial measures, estimated 2018 adjusted earnings before interest, taxes and depreciation and estimated 2018 adjusted operating margin, which cannot be reconciled without unreasonable effort. The following forward looking financial measures regarding Paragon is unavailable to NN: (i) depreciation and amortization; (ii) income taxes; and (iii) net income, and this information could have a material impact on these certain forward looking non-GAAP financial measures.

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Fourth Quarter 2018



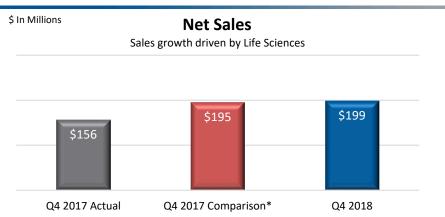
Fourth Quarter 2018 Highlights

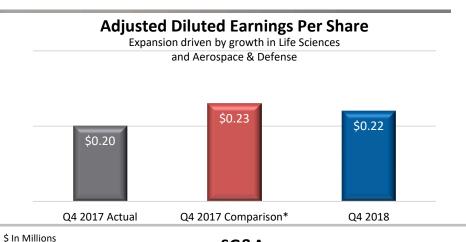
- Net Sales of \$199.5M
 - Organic growth of 4% in the quarter driven by Life Sciences
 - Offset by continued headwinds in the global automotive market
 - Acquisitions contributed \$39.2M
- Adjusted Operating Margin expanded 300 bps to 11.8%
 - Improvements driven by Life Sciences growth and synergy capture
 - Enterprise flexing appropriately in the face of market and mix headwinds
- Adjusted Diluted EPS of \$0.22
- Free Cash Flow for Q4 of ~\$50M
- Net leverage reduction of ~20 bps in the quarter
- Non-Cash impairment charge of \$199M
 - Driven by GAAP requirements
 - Does not impact our operating performance, cash flows or strategic plans moving forward

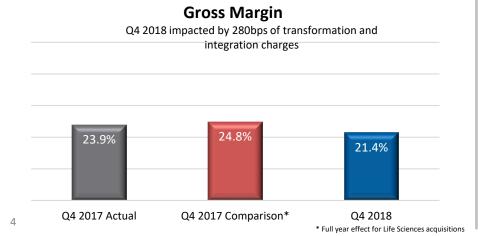
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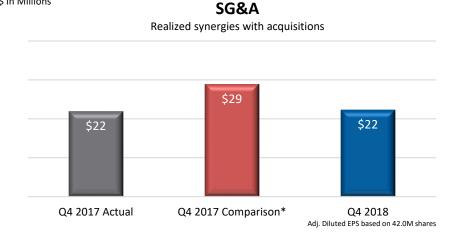


Fourth Quarter Financial Summary



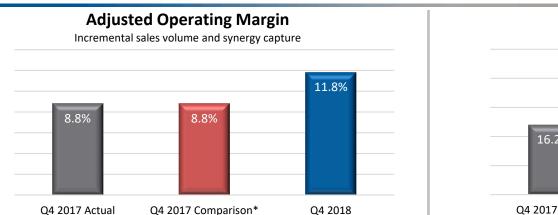


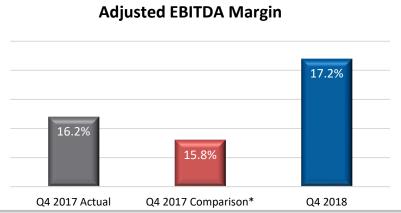




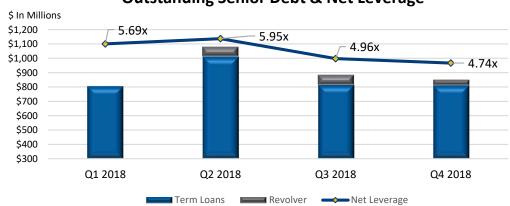


Fourth Quarter Financial Summary





Outstanding Senior Debt & Net Leverage¹

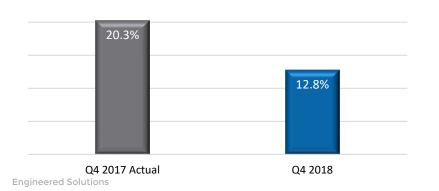




Power Solutions Group



Adjusted Operating Margin

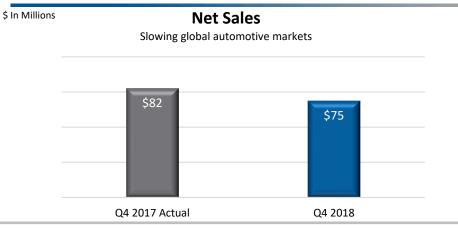


Q4 Business Commentary

- Margins muted due to unfavorable mix and start-up costs
- New program launches in A&D and General Industrial expected to ramp in 2019.
- Proprietary technology investments for programs expected to launch late 2019



Mobile Solutions Group



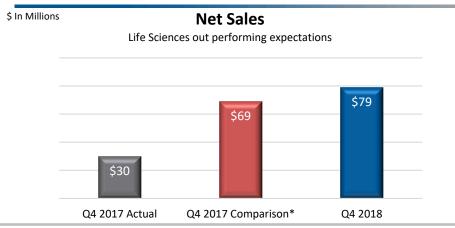


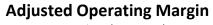
Q4 Business Commentary

- Global automotive markets continue to pull back
- FX impact accounts for a third of the sales decline
- Business flexing appropriately net of investments
- Margins expected to normalize mid-year

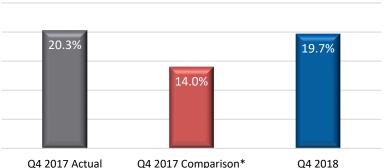


Life Sciences Group





Integration plan on track



Q4 Business Commentary

- Organic sales growth of 14% YoY
 - Paragon greater than 20%
 - Legacy business in line
- Backlog has almost doubled since mid-year 2018
- Overall performance ahead of plan
- Margins in line with typical seasonal activity

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Fourth Quarter 2018 Summary

- Sales of \$199M
 - 4% organic growth driven by 14% growth in Life Sciences
- Net Leverage down to 4.74x
- Free Cash Flow of ~\$50M
- Adjusted Operating Margins improved 300bps to 11.8%
- Subsequent to Q4, executed \$700M fixed interest rate swap
 - Removes significant interest rate variability from plan
 - Reduced our interest expense 6 bps immediately





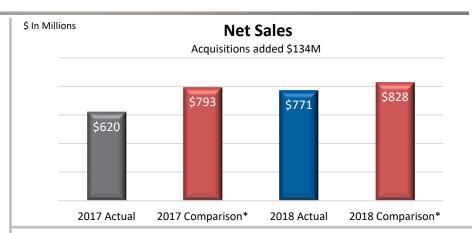
Full Year 2018 & 2019 Business Expectations



2018 Financial Summary

2018 Summary

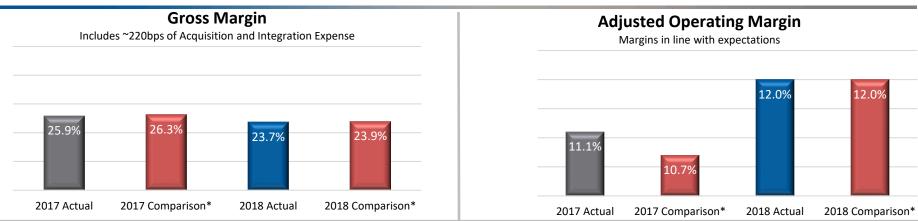
- 4.4% organic growth despite mixed macro backdrop
- Counter cyclical portfolio performing as designed
- Key program wins and investment set up 2019 for continued growth
- 6.5% YoY Adj. Diluted EPS expansion



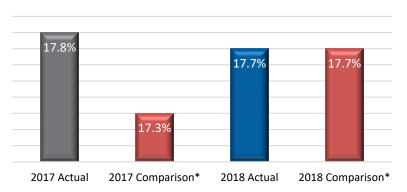




2018 Financial Summary



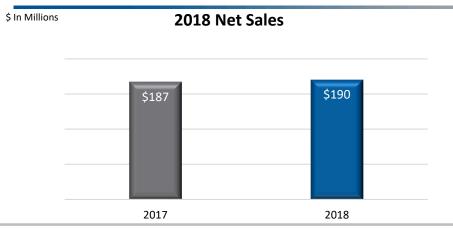
Adjusted EBITDA Margin



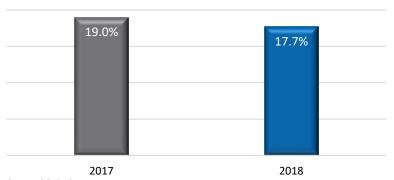
Engineered Solutions * Full year effect for Life Sciences acquisitions



Power Solutions Group



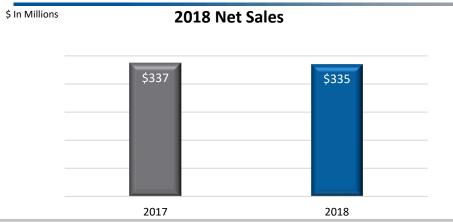
2018 Adjusted Operating Margin



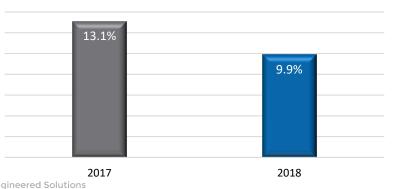
- Housing starts flat, non-residential and Aerospace & Defense markets displaying growth in line with expectations
- Organic growth of 6-8%
 - Driven by new program start ups
- Continued improvement in operational efficiency
 - 2 new Aerospace & Defense facilities coming fully online
- Margin improvements driven by continued Aerospace & Defense growth



Mobile Solutions Group



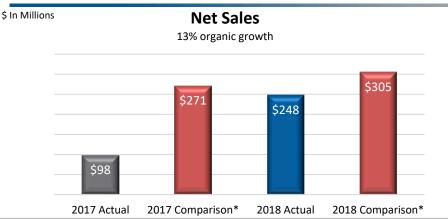


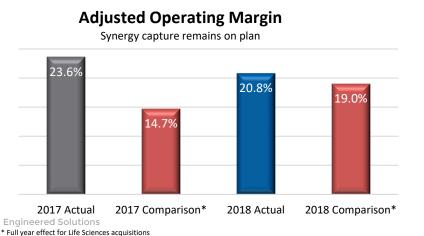


- 1% 3% organic growth despite slowing global automotive markets
 - New programs reaching production levels
 - CAFE adoption rate consistent with expectations
- Adjusted operating margins expected to normalize mid-year
- We continue to invest in growth programs



Life Sciences Group





- Solid macro backdrop expected to continue throughout 2019
- Anticipated organic growth of 12%-15%
- Synergy capture and continued operating improvements expected to drive further margin expansion
- Backlog expected to normalize as production capacity comes on line













Guidance



2019 Preview

- Mixed macro expected to persist in 2019
 - Tailwinds in Medical & Aerospace & Defense
- 6% organic growth across the enterprise, driven by Life Sciences
- 35% YoY Adj. EPS Expansion to mid-point of guide
- Continued focus on de-leveraging

2019 Operating Highlights ⁺					
Adjusted Operating Margin	12.7%	70bps Improvement			
Adjusted EBITDA	\$170M				
Free Cash Flow	\$45M				
Forecasted FYE Net Leverage ¹	4.5x	Quarter turn reduction			

Transformed NN Annual Time Phasing						
	Q4					
Net Sales %	23% - 25%	25% - 27%	25% - 27%	24% - 26%		
Adj EPS %	13% - 15%	24% - 26%	30% - 32%	30% - 32%		



	2019 Guidance	Commentary
Net Sales	\$870M - \$890M	All three segments expected to grow
Adj. Operating Margin ^(a)	12.4% - 13.0%	Continued improvements in the NN Operating System driving expansion
Adj. EBITDA	\$166M - \$174M	
Adj. Diluted EPS ^(b)	\$1.10 - \$1.30	35% YoY Adj. EPS Expansion to mid-point of guide, on a comparable diluted basis
Free Cash Flow ¹	\$40M - \$50M	Free cash flow focused on de-leveraging

Engineered Solutions 1: Operating Cash Flow - Capex www.nninc.com



1st Quarter 2019 Guidance

	Fourth Quarter Actual	First Quarter Guidance	Commentary
Net Sales	\$199.5M	\$205M - \$215M	Q1 Revenue in line with our expectations
Adj. EBITDA	\$34.4M	\$33M - \$36M	

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Reconciliation Tables



Reconciliation of GAAP Income from Operations to Non-GAAP Adjusted Income from Operations

	Three Mont	ths Ended		1	hree Mont	hs E	nded
\$000s	Decemb	er 31,	\$000s		Decemb	er 31	١,
NN, Inc. Consolidated	2018	2017	Power Solutions		2018	2	017
GAAP income from operations	\$ (188,170)	\$ 1,069	GAAP income from operations	\$	(109,054)	\$	5,660
Restructuring and integration expense	(10)	24	Restructuring and integration expense		-		-
Acquisition and transition expense	15,568	6,696	Acquisition and transition expense		3,524		664
Amortization of intangibles	8,439	5,938	Amortization of intangibles		2,193		2,724
Impairments (Goodwill and fixed assets)	187,778	-	Impairments (Goodwill and fixed assets)		109,100		-
Non-GAAP adjusted income from operations (a)	\$ 23,605	\$ 13,727	Non-GAAP adjusted income from operations (a)	\$	5,763	\$	9,048
Non-GAAP adjusted operating margin (1)	11.8%	8.8%	Non-GAAP adjusted operating margin (1)		12.8%		20.3%
GAAP net sales	\$ 199,477	\$ 156,135	GAAP net sales	\$	45,194	\$ 4	44,620
	Three Mont	ths Ended		Т	hree Mont	hs E	nded
\$000s	Decemb	er 31,	\$000s		Decemb	er 31	١,
Mobile Solutions	2018	2017	Life Sciences	_	2018	2	017
GAAP income from operations	\$ (75,925)	\$ 6,317	GAAP income from operations	\$	6,174	\$	2,840
Restructuring and integration expense	(10)	24	Restructuring and integration expense		-		-
Acquisition and transition expense	1,493	195	Acquisition and transition expense		4,122		884
Amortization of intangibles	885	859	Amortization of intangibles		5,361		2,355
Impairments (Goodwill and fixed assets)	78,054	-	Impairments (Goodwill and fixed assets)	_	-		-
Non-GAAP adjusted income from operations (a)	\$ 4,497	\$ 7,395	Non-GAAP adjusted income from operations (a)	\$	15,657	\$	6,079
Share of net income from joint venture	(16,134)	1,072	Non-GAAP adjusted operating margin (1)		19.7%		20.3%
Impairment of joint venture	16,589		GAAP net sales	\$	79,457	\$ 3	29,932
Non-GAAP adjusted income from operations with JV	\$ 4,952	\$ 8,467					
Non-GAAP adjusted operating margin (1)	6.6%	10.3%					
GAAP net sales	\$ 75,359	\$ 82,084					
	Three Mont						
\$000s	Decemb	er 31,					
Elimination	2018	2017					
GAAP net sales	\$ (533)	\$ (501)					

⁽¹⁾ Non-GAAP adjusted operating margin = Non-GAAP adjusted income from operations/ GAAP net sales



Reconciliation of GAAP Income from Operations to Non-GAAP Adjusted Income from Operations

	Twelve Mont	ths Ended		Tw	velve Mont	hs Ended
\$000s	Decembe	er 31,	\$000s		Decembe	r 31,
NN, Inc. Consolidated	2018	2017	Power Solutions	2	018	2017
GAAP income from operations	\$ (178,888)	\$ 33,114	GAAP income from operations	\$	(95,115) \$	23,440
Restructuring and integration expense	2,127	386	Restructuring and integration expense		-	-
Acquisition and transition expense	48,952	11,570	Acquisition and transition expense		8,698	1,164
Amortization of intangibles	32,553	23,454	Amortization of intangibles		10,939	10,899
Impairments (Goodwill and fixed assets)	187,778	-	Impairments (Goodwill and fixed assets)		109,100	-
Non-GAAP adjusted income from operations (a)	\$ 92,522	\$ 68,524	Non-GAAP adjusted income from operations (a)	\$	33,622 \$	35,503
Non-GAAP adjusted operating margin (1)	12.0%	11.1%	Non-GAAP adjusted operating margin (1)		17.7%	19.0%
GAAP net sales	\$ 770,657	\$ 619,793	GAAP net sales	\$	189,778	186,602
	Twelve Mont	ths Ended		Th	ree Monti	s Ended
\$000s	Decembe	er 31,	\$000s	Tw	velve Mont	hs Ended
Mobile Solutions	2018	2017	Life Sciences	2	018	2017
GAAP income from operations	\$ (54,103)	\$ 34,405	GAAP income from operations	\$	19,136	13,271
Restructuring and integration expense	63	386	Restructuring and integration expense		1,336	-
Acquisition and transition expense	3,567	695	Acquisition and transition expense		13,064	884
Amortization of intangibles	3,540	3,474	Amortization of intangibles		18,074	9,081
Impairments (Goodwill and fixed assets)	78,054	-	Impairments (Goodwill and fixed assets)		-	-
Non-GAAP adjusted income from operations (a)	\$ 31,121	\$ 38,960	Non-GAAP adjusted income from operations (a)	\$	51,610	23,236
Share of net income from joint venture	(14,390)	5,211	Non-GAAP adjusted operating margin (1)		20.8%	23.6%
Impairment of joint venture	16,589	-	GAAP net sales	\$ 2	248,173	98,329
Non-GAAP adjusted income from operations with JV	\$ 33,320	\$ 44,171				
Non-GAAP adjusted operating margin (1)	9.9%	13.1%				
GAAP net sales	\$ 335,037	\$ 336,852				
	Twelve Mont	ths Ended				
\$000s	Decembe	er 31,				
Elimination	2018	2017				
GAAP net sales	\$ (2,331)	\$ (1,990)				

⁽¹⁾ Non-GAAP adjusted operating margin = Non-GAAP adjusted income from operations/ GAAP net sales



Reconciliation of Net Income (Loss) to Non-GAAP Adjusted EBITDA

	Three Months Ended				
	Decembe	er 31,			
\$000s	2018	2017			
GAAP net income (loss)	\$(220,189)	\$ 50,818			
Provision (benefit) for income taxes	1,775	(64,822)			
Interest expense	14,651	12,169			
Write-off of unamortized debt issuance cost	-	2,448			
Gain on change in fair value of interest rate swap	-	(87)			
Depreciation and amortization	19,330	13,400			
Acquisition and transition expense	15,228	6,696			
Non-cash stock compensation	(210)	1,510			
Non-cash foreign exchange (gain) loss on inter-company loans	(547)	559			
Restructuring and integration expense	(10)	24			
Income from discontinued operations	-	2,507			
Impairments (Goodwill, JV and fixed assets)	204,367	-			
Non-GAAP adjusted EBITDA (b)	\$ 34,395	\$ 25,222			
Non-GAAP adjusted EBITDA margin (2)	17.2%	16.2%			
GAAP net sales	\$ 199,477	\$ 156,135			

⁽²⁾ Non-GAAP adjusted EBITDA margin = Non-GAAP adjusted EBITDA / GAAP net sales



Reconciliation of Net Income (Loss) to Non-GAAP Adjusted EBITDA

	Twelve Months E		
	Decem	ber 31,	
\$000s	2018	2017	
GAAP net income (loss)	\$(264,467)	\$ 163,052	
Provision (benefit) for income taxes	(10,957)	(79,026)	
Interest expense	61,243	52,085	
Write-off of unamortized debt issuance cost	19,562	42,087	
Gain on change in fair value of interest rate swap	-	(101)	
Depreciation and amortization	71,128	52,406	
Acquisition and transition expense	48,612	11,570	
Non-cash stock compensation	2,413	5,226	
Non-cash foreign exchange (gain) loss on inter-company loans	2,620	258	
Restructuring and integration expense	2,127	386	
Income from discontinued operations	-	(137,688)	
Impairments (Goodwill, JV and fixed assets)	204,367	-	
Non-GAAP adjusted EBITDA (b)	\$ 136,648	\$ 110,255	
Non-GAAP adjusted EBITDA margin (2)	17.7%	17.8%	
GAAP net sales	\$ 770,657	\$ 619,793	

⁽²⁾ Non-GAAP adjusted EBITDA margin = Non-GAAP adjusted EBITDA / GAAP net sales



Reconciliation of Net Income (Loss) to Non-GAAP Adjusted Net Income (Loss) and Net Income (Loss) per Diluted Share to Non-GAAP Adjusted Net Income (Loss) per Diluted Share

	Three Months Ended December 31,			
\$000s	2018	2017		
GAAP net income (loss)	\$ (220,189) \$	50,818		
Pre-tax acquisition and transition expense	15,568	6,696		
Pre-tax foreign exchange (gain) loss on inter-company loans	(547)	559		
Pre-tax restructuring and integration expense	(10)	24		
Pre-tax write-off unamortized debt is suance costs	-	2,448		
Pre-tax gain on change in fair value of interest rate swap		(87)		
Pre-tax amortization of intangibles and deferred financing costs	9,653	7,111		
Pre-tax interest expense on cash held from divestiture		3,720		
Pre-tax impairments of fixed asset costs	5,236	-		
Tax effect of adjustment reflected above (c)	(6,772)	(5,695)		
Impairments (Goodwill and JV)	199,131	-		
Impact due to tax cuts and jobs act	-	(51,823)		
Divestiture of Business Segment, exclusive of tax reform	7,198	(7,983)		
Income from discontinued operations	-	2,507		
Non-GAAP adjusted net income (loss) (d)	\$ 9,268 5	8,295		

	Three Months Ended December 31,			
Amounts per share, diluted	2	2018	2017	
GAAP net income (loss) per diluted share	S	(5.25) \$	1.82	
Pre-tax acquisition and transition expense		0.37	0.24	
Pre-tax foreign exchange (gain) loss on inter-company loans		(0.01)	0.02	
Pre-tax restructuring and integration expense		(0.00)	0.00	
Pre-tax write-off unamortized debt issuance costs		-	0.09	
Pre-tax gain on change in fair value of interest rate swap		-	(0.00)	
Pre-tax amortization of intangibles and deferred financing costs		0.23	0.25	
Pre-tax interest expense on cash held from divestiture		-	0.13	
Pre-tax impairments of fixed asset costs		0.12	-	
Tax effect of adjustment reflected above (c)		(0.16)	(0.20)	
Impairments (Goodwill and JV)		4.75	-	
Impact due to tax cuts and jobs act		-	(1.86)	
Divestiture of Business Segment, exclusive of tax reform		0.17	(0.29)	
Income from discontinued operations		-	0.09	
Non-GAAP adjusted net income (loss) per diluted share (d)	S	0.22 \$	0.30	
Weighted average shares outstanding, diluted		41,959	27,925	



Reconciliation of Net Income (Loss) to Non-GAAP Adjusted Net Income (Loss) and Net Income (Loss) per Diluted Share to Non-GAAP Adjusted Net Income (Loss) per Diluted Share

	Twelve Month	s Ended		
	December 31,			
\$000s	2018	2017		
GAAP net income (loss)	\$ (264,467) \$	163,052		
Pre-tax acquisition and transition expense	48,952	11,570		
Pre-tax foreign exchange (gain) loss on inter-company loans	2,620	258		
Pre-tax restructuring and integration expense	2,127	386		
Pre-tax write-off unamortized debt is suance costs	19,562	42,087		
Pre-tax gain on change in fair value of interest rate swap		(101)		
Pre-tax amortization of intangibles and deferred financing costs	37,741	28,206		
Pre-tax interest expense on cash held from divestiture	3,607	6,160		
Pre-tax impairments of fixed asset costs	5,236	-		
Tax effect of adjustment reflected above (c)	(24,525)	(23,485)		
Impairments (Goodwill and JV)	199,131	-		
Impact due to tax cuts and jobs act		(51,823)		
Divestiture of Business Segment, exclusive of tax reform	7,198	(7,983)		
Income from discontinued operations	-	(137,688)		
Non-GAAP adjusted net income (loss) (d)	\$ 37,182 \$	30,638		

	Tv	Twelve Months Ended December 31,			
Amounts per share, diluted	2	018	2017		
GAAP net income (loss) per diluted share	S	(8.35) \$	5.87		
Pre-tax acquisition and transition expense		1.55	0.42		
Pre-tax foreign exchange (gain) loss on inter-company loans		0.08	0.01		
Pre-tax restructuring and integration expense		0.07	0.01		
Pre-tax write-off unamortized debt issuance costs		0.62	1.52		
Pre-tax gain on change in fair value of interest rate swap		-	(0.00)		
Pre-tax amortization of intangibles and deferred financing costs		1.19	1.02		
Pre-tax interest expense on cash held from divestiture		0.11	0.22		
Pre-tax impairments of fixed asset costs		0.17	-		
Tax effect of adjustment reflected above (c)		(0.77)	(0.85)		
Impairments (Goodwill and JV)		6.29	-		
Impact due to tax cuts and jobs act		-	(1.87)		
Divestiture of Business Segment, exclusive of tax reform		0.23	(0.29)		
Income from discontinued operations		-	(4.96)		
Non-GAAP adjusted net income (loss) per diluted share (d)	\$	1.17 \$	1.10		
Weighted average shares outstanding, diluted		31,678	27,755		



Guidance - Reconciliation of GAAP Income from Operations to Non-GAAP Adjusted Income from Operations

	Low				High				
		\$000s	% of Sales		\$000s	% of Sales			
GAAP income from operations	\$	40,175	4.6%		51,285	5.8%			
Restructuring and integration expense		-	0.0%		-	0.0%			
Acquisition and transition expense		21,000	2.4%		17,500	2.0%			
Amortization of intangibles		46,968	5.4%		46,968	5.3%			
Non-GAAP adjusted income from operations (a)	\$	108,143	12.4%	\$	115,753	13.0%			
GAAP net sales	\$		870,000	\$		890,000			



Guidance - Reconciliation of GAAP Income from Operations to Non-GAAP Adjusted EBITDA

Three Months	Ending	March	31.	2019	

	Low	High	
	 \$000s	\$ 6000s	
GAAP Income from Operations	\$ 1,206	\$ 3,588	
Depreciation and amortization	24,386	24,386	
Acquisition and transition expense	5,964	5,964	
Non-cash stock compensation	1,300	1,300	
Share of NI from China JV	164	164	
Restructuring and integration expense	-	-	
Non-GAAP adjusted EBITDA (b)	\$ 33,020	\$ 35,402	

	Low		High	
	 \$000s	9	8000s	
GAAP Income from Operations	\$ 40,175	\$	51,285	
Depreciation and amortization	96,936		96,936	
Acquisition and transition expense	21,000		17,500	
Non-cash stock compensation	5,200		5,200	
Share of NI from China JV	3,000		3,000	
Restructuring and integration expense	-		-	
Non-GAAP adjusted EBITDA (b)	\$ 166,311	\$	173,921	



Guidance - Reconciliation of GAAP Net Income to Non-GAAP Adjusted Net Income

	Low			High			
		\$000s	pe	r share	\$000s	pe	r share
GAAP net income (loss)	\$	(10,520)	\$	(0.25)	\$ 1,807	\$	0.04
Pre-tax acquisition and transition expense		22,610		0.5	17,500		0.4
Pre-tax foreign exchange (gain)/loss on inter-company loans		-		-	-		-
Pre-tax restructuring and integration expense		-		-	-		-
Pre-tax write-off unamortized debt issuance costs		-		-	-		-
Pre-tax write-off interest rate swap		-		-	-		-
Pre-tax interest expense on cash held from divestiture		-		-	-		-
Pre-tax amortization of intangibles and deferred financing costs		52,349		1.2	52,349		1.2
Tax effect of adjustment reflected above (c)		(17,889)		(0.4)	(16,663)		(0.4)
Non-GAAP adjusted net income per share (d)	\$	46,550	\$	1.10	\$ 54,993	\$	1.30
Weighted average shares outstanding, diluted				42,200			42,200



Guidance - Non-GAAP Free Cash Flow

		Low			
Cash provided by operations	5	\$000s			
	\$	79,973	\$	99,300	
CAPEX		(40,000)		(49,264)	
Non-GAAP free cash flow	\$	39,973	\$	50,036	



Non-GAAP Financial Measures Footnotes

The Company discloses in this presentation the non-GAAP financial measures of adjusted income from operations, adjusted net income and adjusted diluted earnings per share. Each of these non-GAAP financial measures provide supplementary information about the impacts of acquisition and integration related expenses, foreign-exchange impacts on inter-company loans reorganizational and impairment charges. Over the past three years, we have completed six acquisitions, two of which were transformative for the Company. The costs we incurred in completing such acquisitions, including the amortization of intangibles and deferred financing costs, have been excluded from these measures because their size and inconsistent frequency are unrelated to our commercial performance during the period, and which we believe are not indicative of our ongoing operating costs. We exclude the impact of currency translation from these measures because foreign exchange rates are not under management's control and are subject to volatility. Other non-operating charges such as, the write-off of our interest rate swap, are excluded as the charges on not indicative of our ongoing operating cost. We believe the presentation of adjusted income from operations, adjusted net income and adjusted diluted earnings per share provide useful information in assessing our underlying business trends and facilitates comparison of our long-term performance over given periods

(a) Non-GAAP Adjusted income from operations represents GAAP income from operations, adjusted to exclude the effects of restructuring and integration expense, non-operational charges related to acquisition and transition expense, intangible amortization costs for fair value step-up in values related to acquisitions, non-cash impairment charges, and when applicable, our share of income from joint venture operations. We believe this presentation is commonly used by investors and professional research analysts in the valuation, comparison, rating and investment recommendations of companies in the industrial industry. We use this information for comparative purposes within the industry. Non-GAAP adjusted income from operations is not a measure of financial performance under GAAP and should not be considered as a measure of liquidity or as an alternative to GAAP income from operations.

(b) Non-GAAP adjusted EBITDA represents GAAP net income (loss), adjusted to include income taxes, interest expense, Interest rate swaps and write-offs, depreciation and amortization, charges related to acquisition and transition costs, non-cash stock compensation expense, foreign exchange gain (loss) on inter-company loans, restructuring and integration expense, income from discontinued operations, and non-cash impairment charges, to the extent applicable. We believe this presentation is commonly used by investors and professional research analysts in the valuation, comparison, rating and investment recommendations of companies in the industry. We use this information for comparative purposes within the industry. Non-GAAP adjusted EBITDA is not a measure of financial performance under GAAP and should not be considered as a measure of liquidity or as an alternative to GAAP income (loss) from continuing operations.

(c) This line item reflects the aggregate tax effect of all nontax adjustments reflected in the respective table. In addition, the footnotes reflect the after-tax amount of each individual adjustment item. NN, Inc. estimates the tax effect of the adjustment items identified in the reconciliation schedule above by applying NN, Inc's. overall estimated effective tax rate to the pretax amount, unless the nature of the item and/or the tax jurisdiction in which the item has been recorded requires application of a specific tax rate or tax treatment.

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Non-GAAP Financial Measures Footnotes

(d) Non-GAAP adjusted net income (loss) represents GAAP net income (loss) adjusted to exclude the tax-affected effects of restructuring and integration charges (related to plant closures and other charges incurred to implement our strategic goals that do not necessarily represent a major strategic shift in operations), charges related to acquisition and transition costs, amortization of intangibles costs for fair value step-up in values related to acquisitions and amortization of deferred financing costs, foreign exchange gain (loss) on inter-company loans, gains and losses in the fair value of interest rate swaps, estimated interest expense on cash held from divestiture, non-cash impairment charges, the impact of the Tax Cut and Jobs Act and income from discontinued operations. We believe this presentation is commonly used by investors and professional research analysts in the valuation, comparison, rating and investment recommendations of companies in the industry. We use this information for comparative purposes within the industry. Non-GAAP adjusted income (loss) from segment operations is not a measure of financial performance under GAAP and should not be considered as a measure of liquidity or as an alternative to GAAP income (loss) from continuing operations.

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