

Investor Day Agenda

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"MSA Safety Events" - available for Apple and Android devices through iTunes and Google Play

MSA Overview	Bill Lambert, Chairman and CEO		
Growth in Focus	Nish Vartanian, President and COO		
Productivity and Capital Allocation	Kenneth Krause, SVP, CFO and Treasurer		
Segment Review			
MSA Americas	Steve Blanco, President, MSA Americas		
MSA International	Bob Leenen, President, MSA International		
Break			
Growth Platforms	Jason Traynor, General Manager, Firefighter Safety Jennifer McGurrin, General Manager, Industrial Head Protection and Fall Protection Gustavo Lopez, General Manager, Detection Products		
Financial Review	Kenneth Krause, SVP, CFO and Treasurer		
Concluding Remarks	Bill Lambert, Chairman and CEO MSAsafety.com		

Safe Harbor

Except for historical information, certain matters discussed in this document may be forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements include, without limitation, all projections and anticipated levels of future performance. These forward looking statements involve risks, uncertainties and other factors that may cause our actual results to differ materially from those discussed herein. Actual results can be affected by any number of factors, many of which are outside of management's control. The factors that could cause such differences include but are not limited to economic conditions, spending patterns of government agencies, competitive pressures, product liability claims, the success of new product introductions, currency exchange rate fluctuations, the impact of acquisitions and related integration activities and the risks of doing business in foreign countries. These risks, uncertainties and other factors are detailed from time to time in our filings with the United States Securities and Exchange Commission ("SEC"). You are strongly urged to review all such filings for a more detailed discussion of such risks and uncertainties. MSA's SEC filings are readily obtainable at no charge at www.sec.gov and on our investor relations website at http://investors.MSAsafety.com. MSA undertakes no duty to publicly update any forward looking statements contained herein, except as required by law.



Non-GAAP Measures

This document includes certain non-GAAP financial measures. The presentation of these financial measures does not comply with U.S. generally accepted accounting principles ("GAAP"). For an explanation of these measures, together with a reconciliation to the most directly comparable GAAP financial measure, see the appendix.

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MSA Safety



Ticker MSA (NYSE)

Employees ~4,700

Headquarters Cranberry Township, PA

Indices Russell 2000; S&P MidCap 400

Market Cap ~\$3B

52 week range \$65.95 – 87.31



A global safety equipment provider with leading positions in attractive markets



Three Consecutive Years



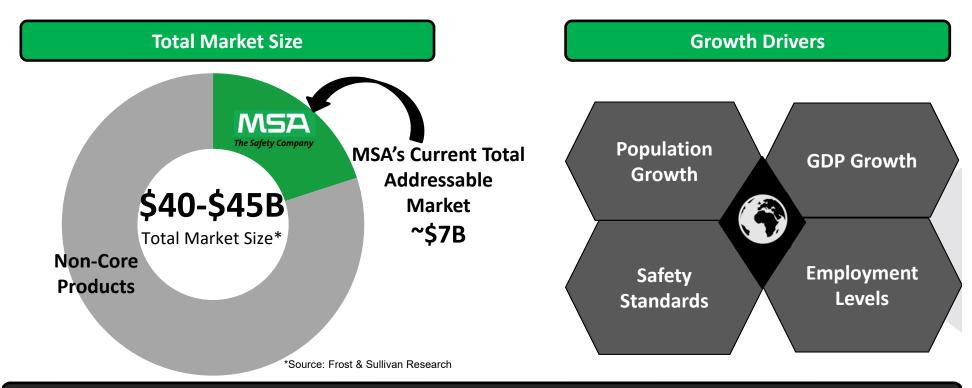




Integrity is central to our strategy and values

The Global Safety Market





MSA focuses on sophisticated safety products that require technology differentiation and have high barriers to entry

MSA Core Product Portfolio



Selling Differentiated Core Products...

Firefighter Safety

Gas Detection

Protective Equipment

Personal



Self-Contained Breathing Apparatus (SCBA)



Firefighter Helmets and Protective Apparel



Fixed Gas and Flame Detection Systems (FGFD)



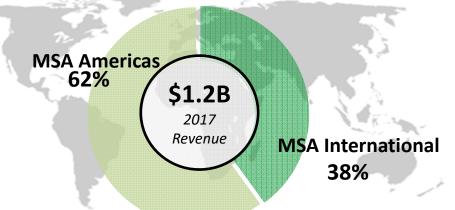
Portable Gas Detection







....into Diverse Geographies



....and Diverse End Markets

Industrial

Construction

Firefighter Safety

Oil & Gas

Utilities

Mining

Leading positions in nearly all of our core products

Results

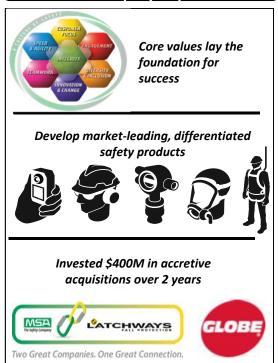
Strategy driving above-market shareholder returns

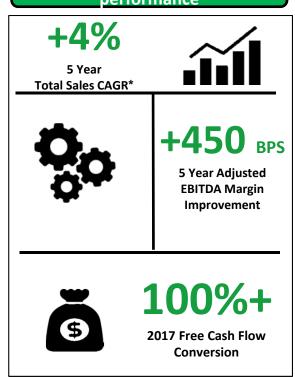


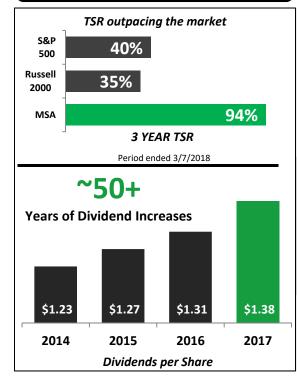
Execute our strategy and deploy capital

Deliver strong financial performance

Provide superior returns for shareholders







*CAGRs stated in constant currency. Constant currency revenue growth, organic constant currency SG&A, EBITDA and free cash flow conversion are non-GAAP measures. See reconciliations in appendix.

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Experienced, Next Generation of MSA Leadership





CEO Transition

 Expect to elect Nish as CEO at annual shareholders' meeting in May 2018



Experienced and Dynamic Leader

- Director of North American Sales and Distribution
- Leader of General Monitors acquisition integration
- President of MSA North America and MSA Americas
- · 32 year career at MSA



Growth Focused Approach

• Strategic vision and communication skills that will inspire and motivate associates to drive toward our long term goals



Nish VartanianMSA President and Chief Operating Officer

MSA**safety**.com

MSA Investor Day 2018 – Key Takeaways



Ø	Growth in Focus	MSA is well positioned for mid-single digit revenue growth over the long term
Ø	Productivity and Capital Allocation	Successful in reducing cost structure and expanding margins over past several years; more runway ahead
Ø	MSA Americas	Focused on growth across the core portfolio in firefighter safety, industrial personal protective equipment, and gas detection
Ø	MSA International	Improving profitability in developed markets through targeted initiatives aimed at leveraging channels and reducing complexity; execute growth strategy in emerging markets
Ø	Growth Platforms	Industry leading innovations and robust new product pipeline support revenue growth targets
Ø	Financial Review	Expect EBITDA to grow at 1.5-3x revenue growth; committed to strategically deploying capital to drive profitable growth MSAsafety.com





MSA's Next Chapter



Corporate Strategy

....Translated into everyday processes and capabilities



Advance the Core



Achieve operational and process excellence



Effective capital deployment



"Growth in Focus" initiative designed to shape the future of MSA



Competitive Advantage – Top Talent

Employee Engagement

Incentive Compensation Structure Experienced & Diverse Leadership

Continuous Development

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Experienced Business Leaders







Steve Blanco, President, MSA Americas

- Joined MSA in 2012 Previous MSA roles include VP General Manager of U.S. and Canada region and VP of Global Operational Excellence
- Led deployment of MSA Operating System and strong record of execution on key product launches
- Prior to MSA, Steve served as VP of Manufacturing at Eaton Corp. and spent time in engineering, plant management and operational roles at Ford Motor Co.



Bob Leenen, President, MSA International

- Joined MSA in 2012 Previous MSA roles include Segment CFO of MSA International and Director of Finance of MSA Europe
- Clear understanding of drivers of MSA's International profitability and is an intuitive problem solver
- Prior to MSA, Bob worked in management consulting at Accenture and held financial leadership roles at Ingersoll Rand and Newell Brands

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MSA's High-Performance Culture



- Our associates around the world are highly engaged and have a strong connection with our Mission, Vision and Values.
- We invest in many development programs to ensure we have a strong pipeline of talent.
- We drive superior performance through our incentive compensation structure.

*Adjusted operating income and free cash flow are non-GAAP financial measures. See reconciliations in appendix.

Incentive Compensation Structure Pay for Performance **Previous Incentive Current Incentive** Compensation Compensation **Recent Results** Metrics Metrics +390 BPS Revenue **Operating Margin Growth & EBITDA** Expansion **5 Year Adjusted** Margin Expansion **Operating Margin*** Improvement >100% **Working Capital Working Capital** Management **Free Cash Flow** Management Conversion*

Incentive alignment driving growth



Competitive Advantage Multi-faceted approach to growth

Core Product
Strategy

Superior Innovation & NPD

Accretive Acquisitions

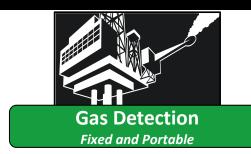
Customer Experience

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Total Addressable Market – MSA Core Products









MSA







~\$3B

LSD = Low single digit MSD = Mid single digit

MSA expects to outpace the market over the long term

Core Products

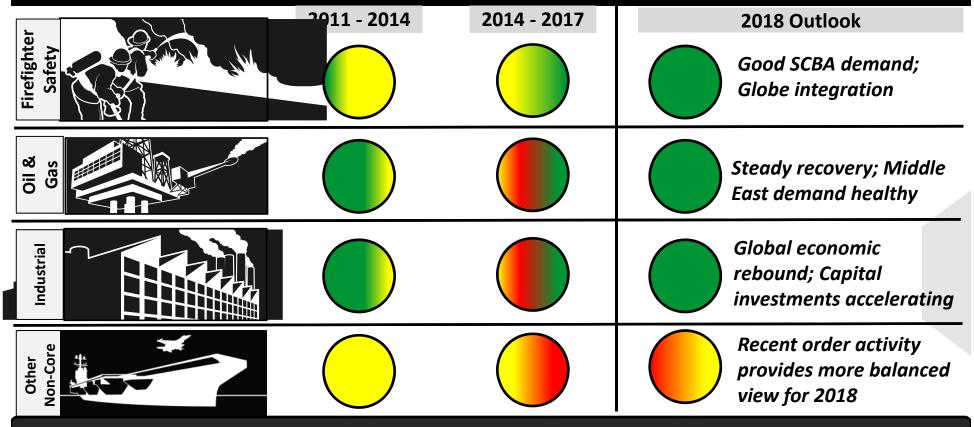
Leading market positions in nearly all of our core products



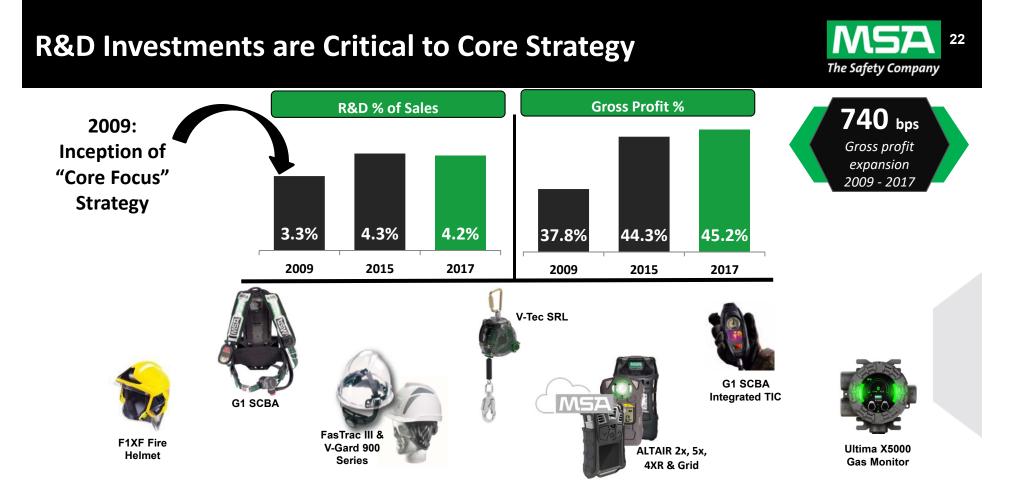
	Breathing Apparatus	% of 2017 MSA Sales	Global N	/larket F	Position 3
	Firefighter Helmets & Protective Apparel	9%	\bigcirc		
	Industrial Head Protection	11%	Ø		
	Fall Protection	8%			\bigcirc
	Portable Gas Detection	12%			
6	Fixed Gas & Flame Detection (FGFD)	21%	\bigcirc		
				MSA safet	y .com

Summary of Operating Environment





End market outlook supports mid-single digit organic revenue growth expectation for 2018



Strategic R&D investments in core products support gross profit expansion and competitive differentiation

MSA Portfolio Value Creation

Core,

55%

2009





\$260 million of core product/market revenue where we have leading positions





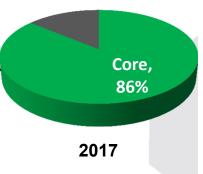




Divested

\$105 million of non-core, low margin business where we did not have leading positions

North America Military Business South Africa
Distribution Business



Acquired and integrated accretive assets in our core products and markets; divested lower margin businesses not core to our strategy

Products

Leader in highly engineered fall protection solutions

Markets

- Provides access to attractive market verticals such as utilities, renewable energy and aerospace
- Enhances cross-selling opportunities in these markets

Geographies

Extends MSA's geographic footprint with strong market share in Europe and the UK



Two Great Companies. One Great Connection.

\$0.13

GAAP EPS Accretion, Year 1

\$0.23 EPS excluding transaction costs and amortization



Acquired for \$190M in 2015; cost synergies and recovery of base business have driven earnings contributions

Products

No product overlap, turnout gear extends MSA's core product portfolio – head-to-toe solutions for firefighters

\$0.15 - \$0.20

GAAP EPS Accretion Target Range, Year 1

\$0.25 - \$0.30 EPS target range excluding transaction costs and amortization

Markets

- Acquisition establishes MSA as a market leader in U.S. Fire Service personal protective equipment
- We have deep knowledge and history in the U.S. fire service



Completed acquisition of Globe for \$215M or 9x EBITDA in 2017;

Provided GAAP earnings accretion of \$0.10 per share in the first five months of ownership

MSA Revenue Expectations





Firefighter Safety
SCBA, Fire Helmets and Protective Apparel



Gas Detection

Fixed and Portable



+Mid-Single Digit

MSA Expected Long Term Revenue Growth Range

Expect to grow faster than the overall market by investing in new product development and programs that drive profitable growth



Productivity and Capital Allocation



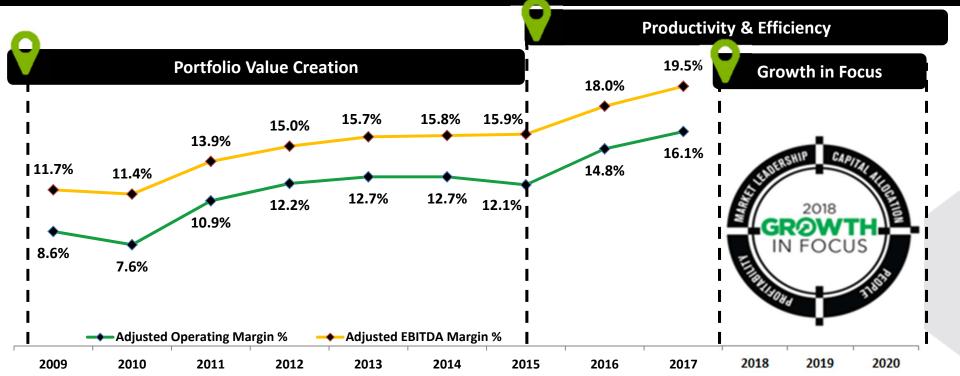


Kenneth Krause SVP, CFO and Treasurer



Results since inception of core strategy





Adjusted operating margin and Adjusted EBITDA margin are non-GAAP measures. See reconciliations in appendix.

Portfolio is optimized and we've made progress on streamlining our cost structure – continue to focus on productivity and costs while driving revenue growth

Cost Structure



Cost Savings
Drivers

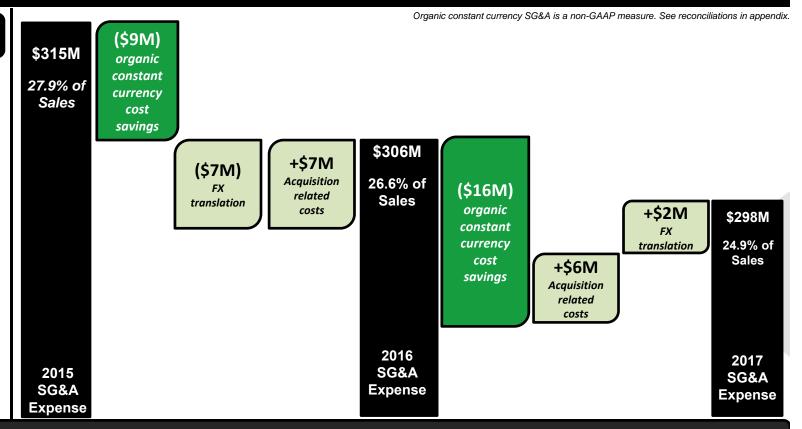
Headcount optimization

 increased span of control and use of shared service models for back-office functions

Rationalized geographic footprint –

exited or restructured least profitable geographies

Implemented cost conscious culture – employees drive value through continuous improvement and efficiency

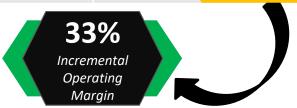


Reduced cost structure by ~\$25M or 300 basis points since 2015

Strong Incremental Margins on Revenue Gains



(millions)	Q4 2017	Q3 2017	\$ Change	
Revenue	\$346.1	\$296.1	\$50	
SG&A Expense	\$75.5	\$72.4	\$3.1	
Adjusted Operating Income	\$64.3	\$47.7	\$16.6	
Adjusted Operating Margin %	18.6%	16.1%	~33%	



1 Jun

Incremental Margins

Mix

Incremental operating margin approached
 35% in Q4 on a less favorable mix

Costs are more fixed than variable

 SG&A increases 4% on revenue increase of 17%

Cost structure streamline is working

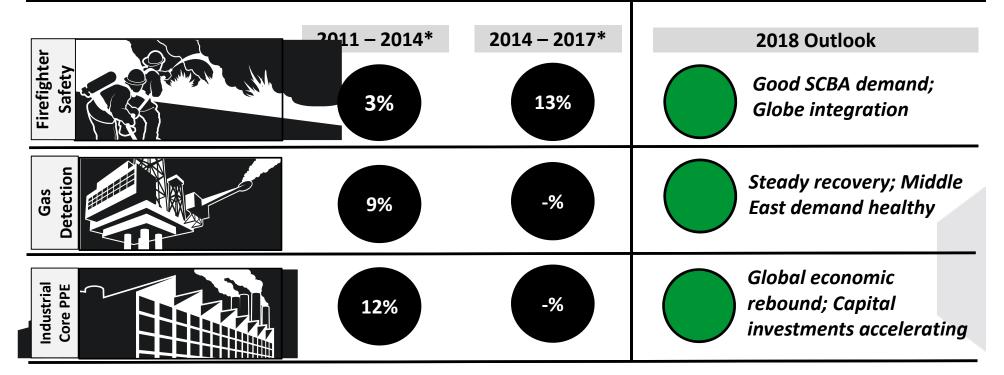
 MSA's incremental margin profile has expanded significantly

Adjusted operating income is a non-GAAP measure. See reconciliations in appendix.

Fundamental shift in profitability in 2016 - 2017; Well positioned to drive operating leverage on future revenue growth

Core Products – Growth Rates Through Economic Cycles





*CAGRs stated in constant currency on an organic basis to highlight underlying business trends in each cycle. Constant currency organic revenue is a non-GAAP measure. See reconciliations in appendix.

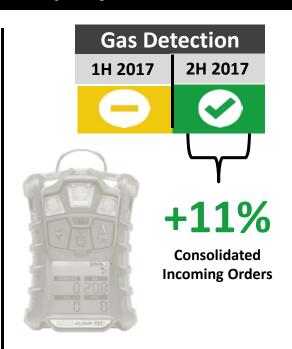
End market outlook supports mid-single digit organic revenue growth expectation for 2018

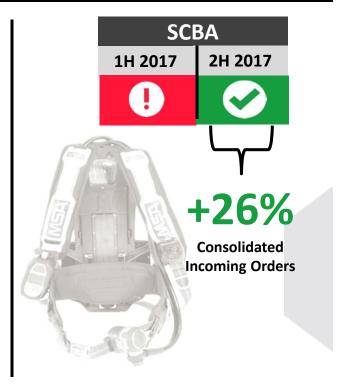
Recent Incoming Order Pace

Notable uptick throughout the portfolio in 2H 2017









Strong order pace and sequentially higher backlog at the end of 2017 provides support for mid-single digit organic revenue growth expectations for 2018

Cost Structure Snapshot



FY2017 Cost Structure ~\$1B

~\$640M

Cost of Products Sold

*Excludes sustaining engineering expense for existing products of approximately \$20M ~\$300M

SG&A Expense

~\$70M

R&D Investment

*Includes sustaining engineering expense for existing products of approximately \$20M

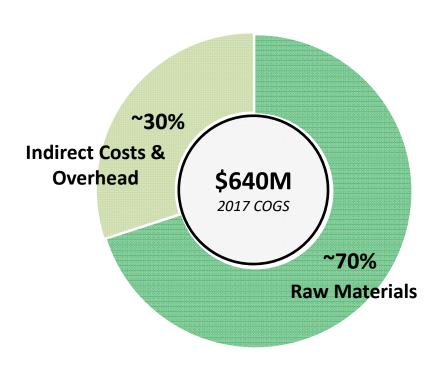
NPD is key competitive advantage:
Continue to invest in NPD R&D
at 4 – 4.5% of sales

Actionable Costs

Great progress made, but more runway ahead to reduce cost structure though productivity and efficiency

Cost of Sales: Opportunity Areas



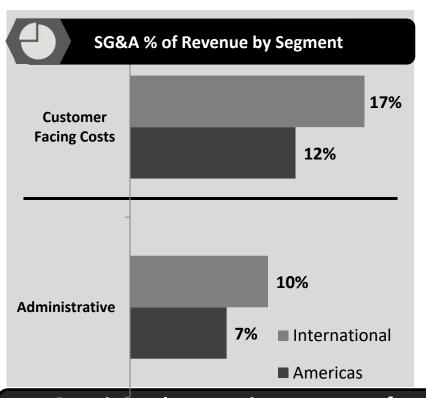


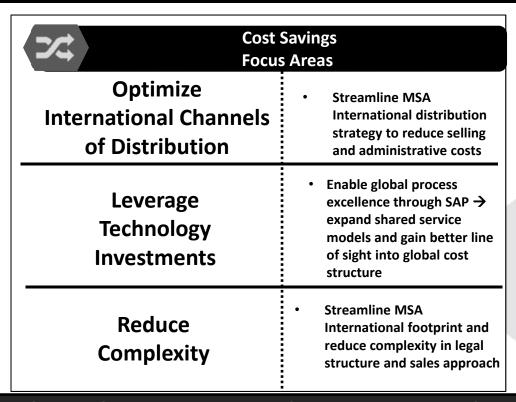
Cost Savings Focus Areas				
Sourcing	Fragmented supplier baseOff-shoring materials			
Value Engineering	 Reducing product costs through engineering efficiencies Nearly 15% reduction in G1 SCBA product costs since launch 			
Indirect Costs	Recently executed global freight RFP, rationalized number of providers and centralized administration.			

Driving manufacturing and supply chain efficiency is a strategic priority

SG&A Expense: Opportunity Areas



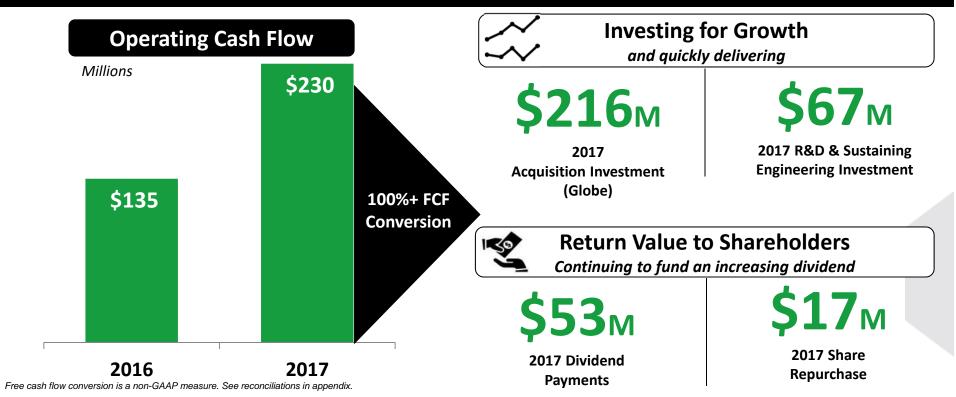




Ongoing value creation programs focused on reducing International cost structure and leveraging technology platforms to reduce administrative costs

Capital Allocation: MSA's Strategy

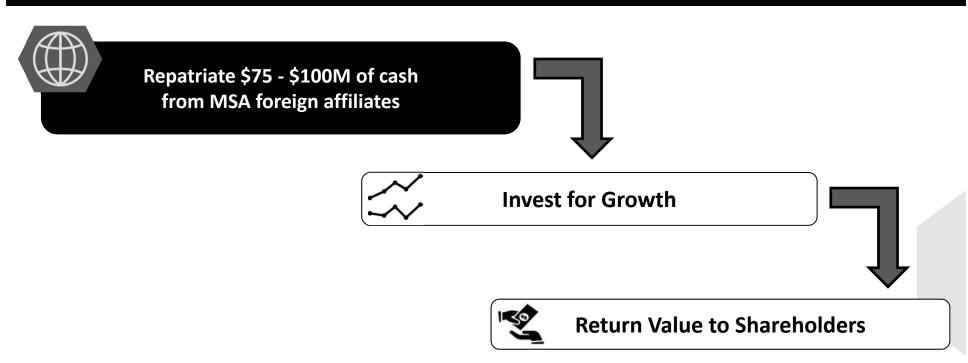




Free cash flow conversion of 100%+ provides capacity to invest in growth initiatives and reduce leverage while continuing legacy of ~50 consecutive years of dividend increases

Impact of U.S. Tax Reform: Cash Repatriation

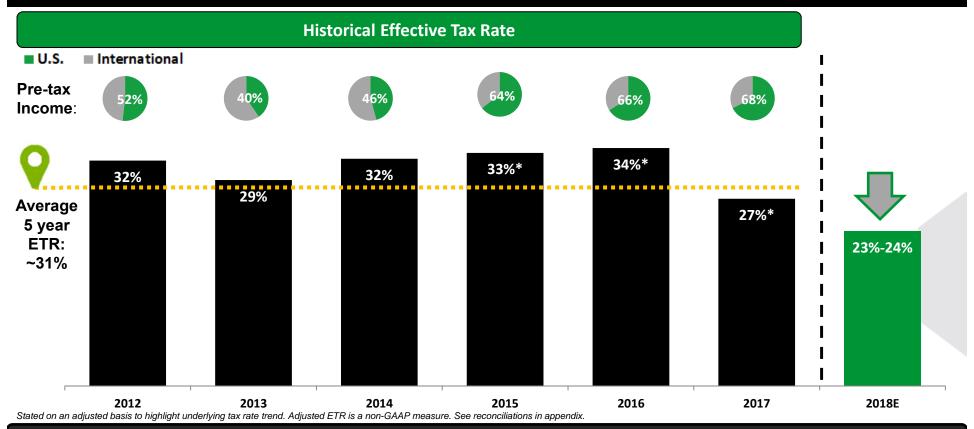




Cash repatriation and lower ETR expected to provide additional flexibility to execute our established capital allocation strategy

Impact of U.S. Tax Reform: Effective Tax Rate





Expect consolidated effective tax rate of 23%-24% for 2018

What's Next for MSA? Driving profitable growth is our priority



Revenue Growth

MSD constant currency revenue growth

Cost Structure & Margin Improvement

NPD investment, leverage the channel, focus on productivity

Cash Flow & Capital Allocation

100% FCF conversion and balanced strategy supports growth

EBITDA

Increasing at 1.5x - 3x revenue growth



Expect to grow EBITDA at 1.5x - 3x revenue growth over next several years

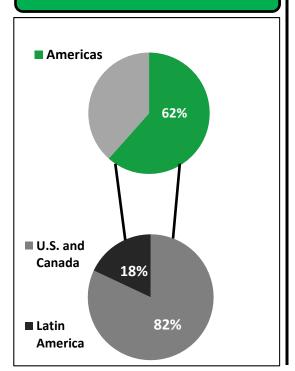




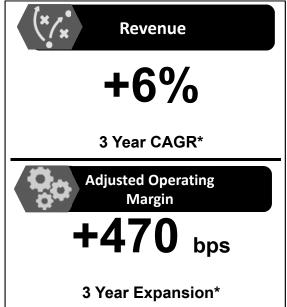
Segment snapshot







Historical Trends

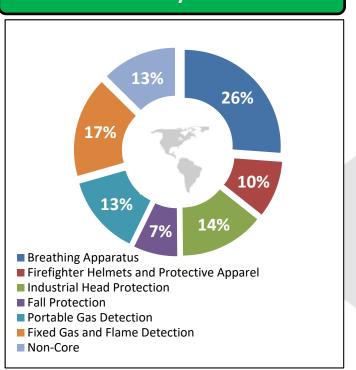


Revenue CAGR stated in constant currency. Constant currency

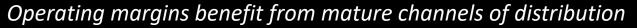
revenue and adjusted operating margin are non-GAAP

measures. See reconciliations in appendix.

Revenue by Product



Mid-single digit revenue growth and strong operating leverage driven by productivity improvements





Industrial PPE Safety

O&G

• Utilities

• Industrial

• Construction

Indirect

Over 800 industrial distributors

Infrastructure Protection

O&G • Utilities • Industrial •

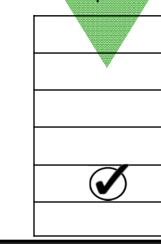
Indirect

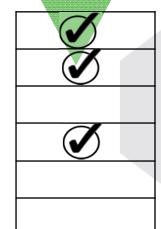
75 FGFD Rep agencies that exclusively sell MSA products

Firefighter Safety

Indirect

Over 150 firefighter safety distributors





Firefighter helmets and protective apparel

Industrial head protection

Portable gas detection

FGFD

Fall protection

Selling diverse products to a broad customer base across a number of end markets; 80% of revenue pushed through distribution – supports 25% operating margin in Americas

Growing our share in key areas of industrial PPE safety





Industrial Head Protection

Brand Equity

#1Market Position

92%

Of participants in field trials chose the Fas-Trac III suspension over competitive brands

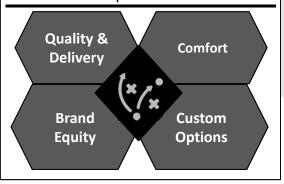
Customization

>40%

Of V-Gard units sold in 2017 in Americas included customized logos – enabled by MSA's proprietary Logo Express Online software

Growth Drivers

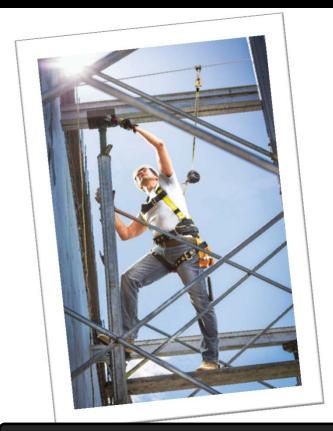
- Foundational PPE in developed and emerging markets
- Distribution of hard hats creates a continuing sales platform for other MSA products



Market leading position and strong growth platform for the future

Growing our share in key areas of industrial PPE safety





Fall Protection

Synergies & Results

+22%

Revenue growth in Americas fall protection in 2017

Leveraging Latchways technology and MSA distribution

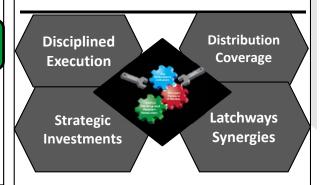
Doubling Down on Largest and Fastest Growing Market

2x

Doubled our sales force representation in fall protection in 2017

Growth Drivers

- Latchways product synergies
- New strategic investments in sales and channels to drive growth
- Disciplined Execution through MSA Operating System deployment



Fastest growing product in Americas in 2017; well positioned to continue growth trajectory

Growing our share in key areas of industrial PPE safety





Portable Gas Detection

Results

+8%

2017 Revenue growth in Americas portable instruments +80 bps

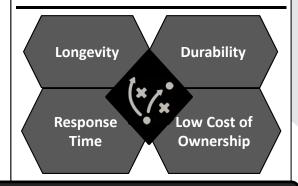
2017 Gross margin expansion in Americas portable instruments

Value Proposition

Lower cost of ownership is highly effective in key industrial markets such as petrochemical, automotive, and oil & gas

Growth Drivers

 Proprietary sensor technology differentiates MSA's products



Sensor technology and extreme durability support our strong market position



New FGFD innovations provide opportunity in infrastructure protection market



Protect and replace large installed base and capture share with the new platform's differentiating features...





Drive value through market share gains and recurring revenue in future years related to maintenance on installed base

Market leader in North America firefighter safety





Innovation driving growth

G1 SCBA is a revolutionary platform – 17% of G1 SCBA's invoiced in 2017 included our first-to-market integrated thermal imaging camera

Market leader

Gained nearly 20 points of market share in SCBA over 3 years through R&D investment; acquired Globe in 2017 – leader in turnout gear

Head-to-toe solutions & acquisition synergies

Full portfolio of SCBA, helmets and turnout gear – selling SCBA to long-standing Globe distributors

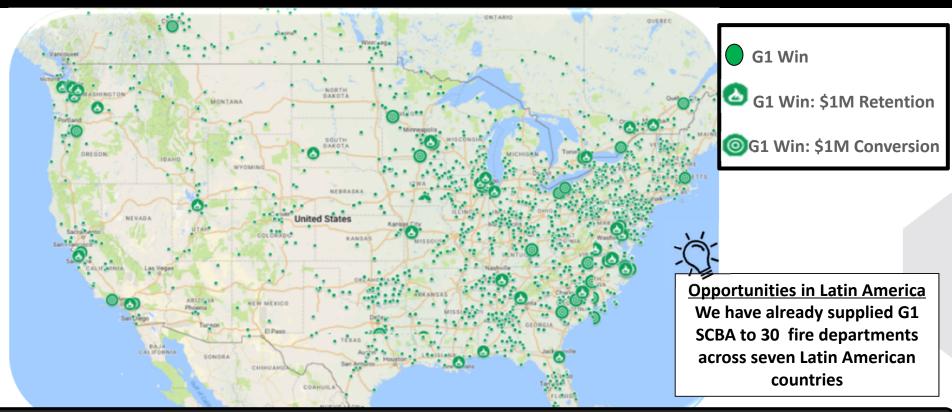
Expect continued runway in replacement cycle & further Emerging Market opportunities

Q4 2017 SCBA incoming orders were highest of entire replacement cycle; secured key wins in Latin American market in 2017 and see opportunities ahead

Leading innovator in firefighter safety market in developed and emerging markets of Americas; sizable SCBA backlog heading into 2018

MSA 5
The Safety Company

G1 SCBA revolutionary platform driving market share gains in the Americas



Leading market position in replacement cycle; significant conversion and retention opportunities identified throughout the Americas are expected to support elevated SCBA volume through 2021

Summary





Strong historical revenue growth and operating margin expansion results

2H 2017 incoming order pace highlights favorable macro conditions in key end markets

Tailwinds expected from stronger industrial markets, Latin American growth opportunities and continued product innovation

MSA Americas well positioned to drive revenue growth in 2018 and beyond

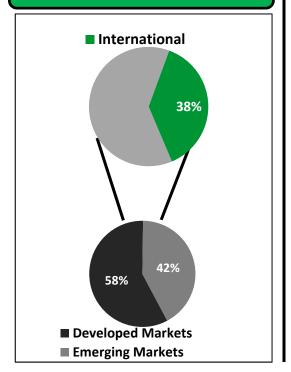




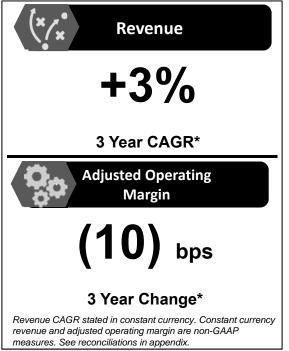
Segment snapshot



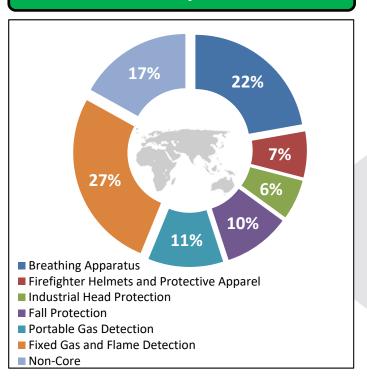




Historical Trend



Revenue by Product



MSA International is a diverse region with substantial unfulfilled revenue and profitability potential

Improving profitability in International (via Europe) is our top priority



Europe 2.0 Transformation *2012 – 2015: One MSA-Europe*

- V
- 14 IT systems to 1 IT system
 100% of MSA Europe on
 SAP ECC 6.0
- V
- 10 warehouses to 1
 centralized warehouse in
 Berlin operated by 3PL
- V
- Established Principal Operating Company in Switzerland in 2015
- V
- Below 10% effective tax rate guaranteed through 2024







Looking Forward

Take further steps to improve European operating margin



Key leadership changes



Realignment of customer facing organization



Channels optimization



Reduce cost structure

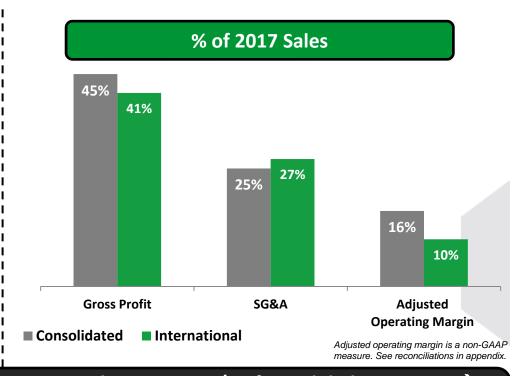
Strong sense of urgency to reduce complexity and improve profitability by better leveraging the foundation established during Europe 2.0 transformation

vs. MSA Consolidated



Operational Metrics

	MSA Consolidated	MSA International
2017 Revenue	\$1.2B	\$460M
% of Sales through Distribution	~75%	~60%
# of Customers	~30k	~18k
# of Employees	4,700	2,000



MSA International generates ~1/3 of overall MSA revenue, but serves ~2/3 of our global customers → Unfocused and fragmented go-to-market strategy increases complexity and hinders profitability, primarily in Europe



Channels optimization is key to reducing complexity and improving SG&A leverage

Action Plan



Shift small end user customers to distributors



Deploy channel partner incentives



Differentiate service levels



Improve geographic coverage

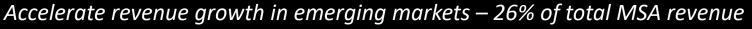
Executing channels optimization strategy is critical to reduce complexity and drive profitable growth in Europe

Leveraging our channels optimization strategy will drive higher profitability



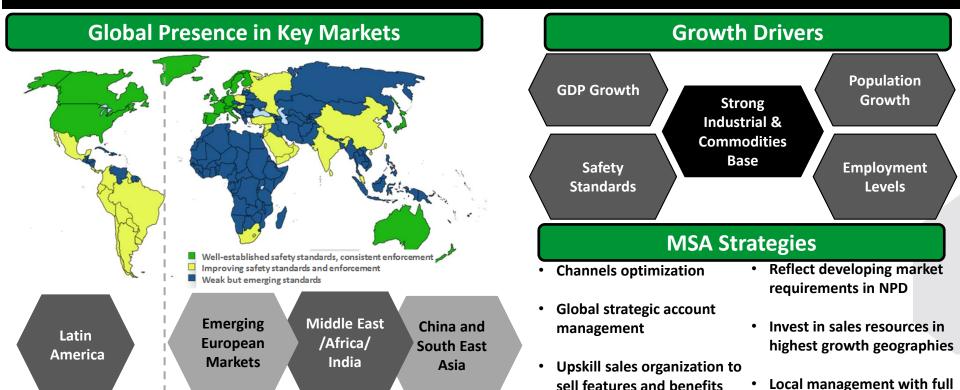


Channels optimization will enable a streamlined affiliate footprint and more efficient operations





P&L responsibility



Healthy profitability profile, favorable fundamentals and track record of success

Summary





- MSA International includes large and attractive markets
- Developed Markets: Focus on improving profitability
- Emerging Markets: Drive accelerated revenue growth
- Sense of urgency has never been stronger mobilized to drive results

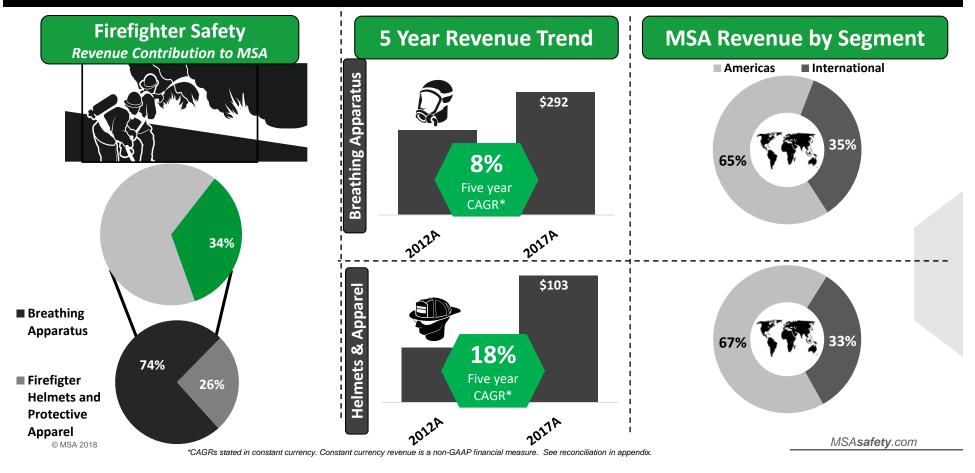
Driving emerging markets revenue growth and improving profitability in developed markets is the key to MSA International value creation





Firefighter Safety Product category snapshot





Drivers of Sustainable Growth





Competitive Conversion and Market Share Gains



Geographic Expansion in MSA International



Head-to-Toe Firefighter Protection



Connected Firefighter and Cloud Connectivity

Accelerated organic growth driven by Market Share, Share of Wallet, and Software as a Service

Growth Through Innovation | MSA G1 SCBA







N. America Market Share Leader



Sustained Gross Margin Expansion



Platform of the Future

MSA G1 SCBA launched in 2014 and delivering unprecedented market share growth

Expanding the Platform | Industrial G1 SCBA

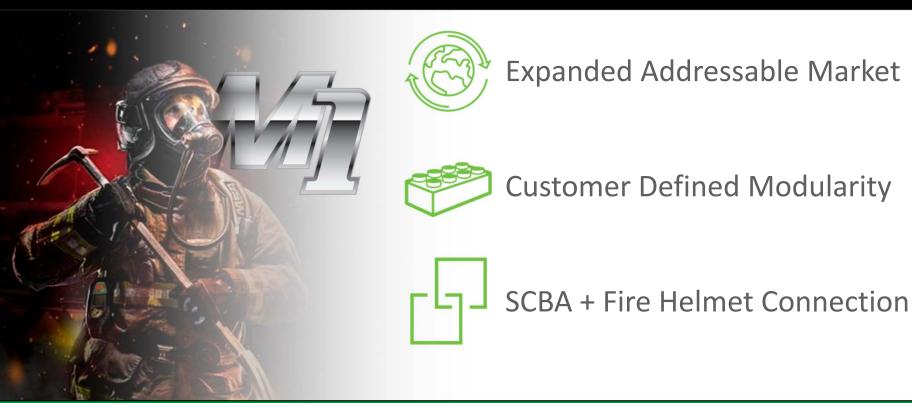




Delivering a single face piece approach for a complete Respiratory Protection solution

International Fire Expansion | MSA M1 SCBA





G1 Based, Modular design to address fragmented International market requirements

Head-to-Toe Firefighter Safety | MSA + Globe





Global Fire Service Leadership



Head-To-Toe Connected System



MSA Globe Geographic Expansion



Establishing a firefighting system that is more valuable than the sum of its parts

Global Fire Service Connectivity | MSA Cloud





Enhancing Firefighter Safety though a connected system of smart products and cloud computing

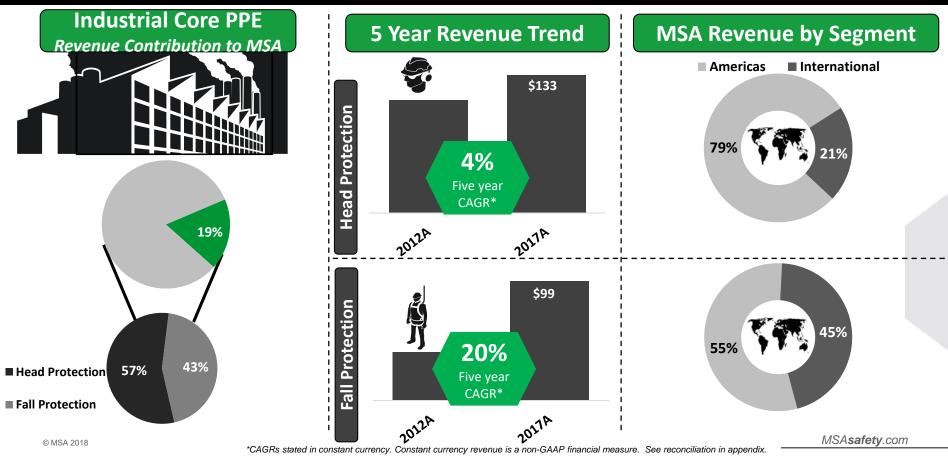


Industrial Core Personal Protective Equipment ("PPE") The Safety Company ET LEADERSHIP CAPITAL ALL 2018 EEIII HONG Jennifer McGurrin **General Manager**

Industrial Core PPE

Product category snapshot





Industrial Head Protection

Success to Date



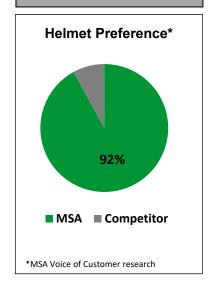
Product Portfolio



Mass Customization



Quality/Comfort



Customer Reach



MSA is the global market leader with strong brand equity

Industrial Head Protection

Future Outlook





Insight-driven innovation focused on comfort, style, and integrated accessories



Improve customer experience
via new customization options,
ease of ordering, and timely
delivery



Innovation and customization are critical for future growth

Fall Protection

Success to Date



Focus



Innovation



Brand



Growth achieved through effective execution and product differentiation

Fall Protection

Future Outlook



Innovation



Comfort



Ease of Use



Lower Cost of Ownership



Industry-leading innovation is the centerpiece of growth

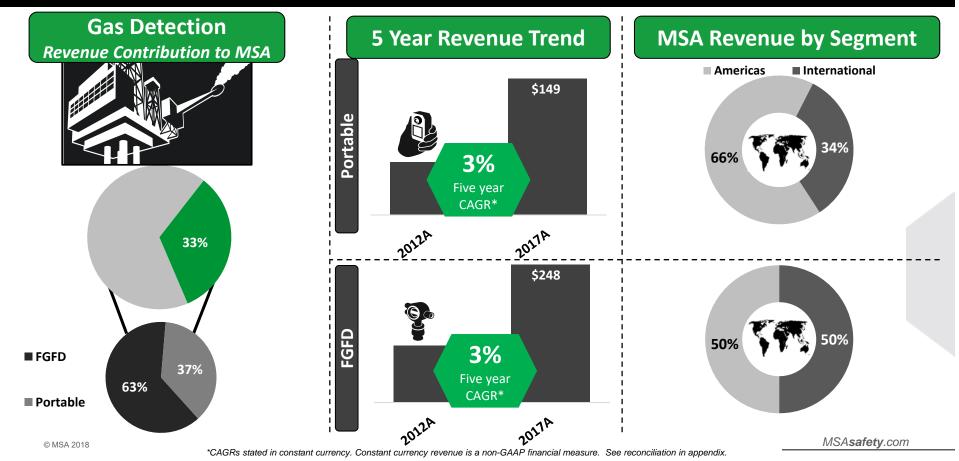




Gas Detection

Product category snapshot





Key pillars for growth strategy





Market share expansion in MSA International



Leverage large global installed base of FGFD



Competitive conversions with new X5000



Connected eco-system and Cloud services

Continue to outpace market growth with product innovations and new Software as a Service approach

Gas Detection Value Proposition





Reliability, fast response time, extended maintenance cycles



Enabling Technology

MSA's proprietary sensor technology has unique self-adjusting capabilities



Breakthrough Products

Gas Detectors with lowest total cost of ownership and enabled for connectivity drive MSA's leadership position

Connected Devices with Revolutionary Sensor Technology

Driving new insights with connectivity





Empower our customers with insight from our ecosystem to drive safer behaviors

Gas Detection positioned well for profitable growth







Sustainable growth driven by new product innovations & technology leadership





MSA's connected eco-system will generate further growth opportunities outside of our traditional business

Build on MSA's core competency with an eye to the future





Historical Revenue and EBITDA Growth



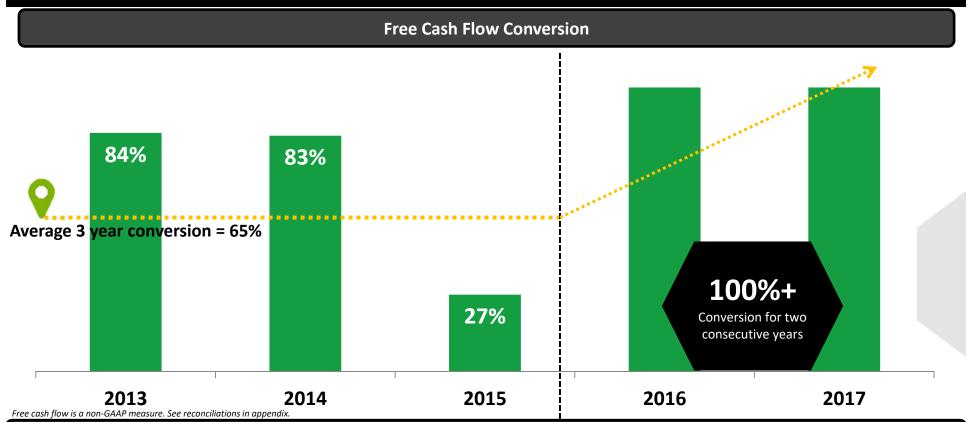


Constant currency revenue and EBITDA are non-GAAP measures. See reconciliations in appendix.

Margin expansion and cost reduction strategies have driven a step-change in profitability

Free Cash Flow Strengthening in Recent Years

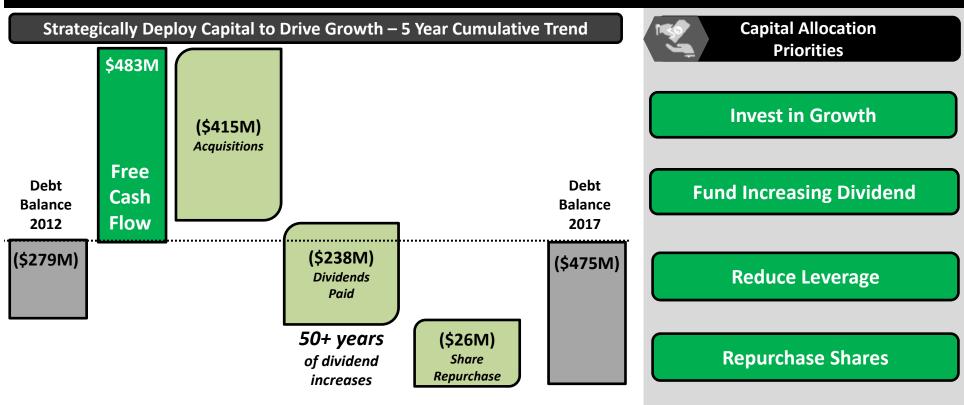




Working capital management driving meaningful improvement in cash flow conversion

Historical Capital Allocation





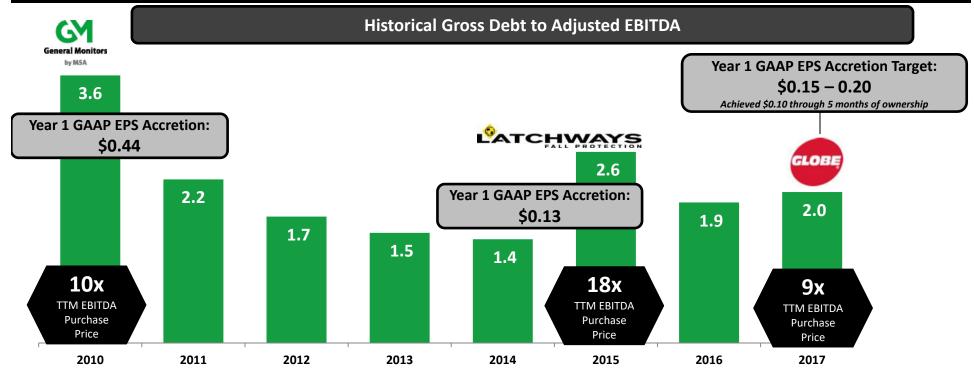
Investing in growth and returning value to shareholders while maintaining healthy leverage

Leverage



History of levering up for accretive acquisitions and quickly delevering





^{*}Debt to EBITDA is a non-GAAP measure. See reconciliations in appendix.

Target gross leverage range of 1.5x - 3.5x EBITDA over the long term; will lever up higher for attractive assets

iil

M&A Criteria
Key metrics

Sales growth profile

EPS accretion in year 1

EBITDA margin & cash flow accretion

ROIC hurdles WACC in 3-5 years

Strategic Rationale

Provides access to...

Products

Markets

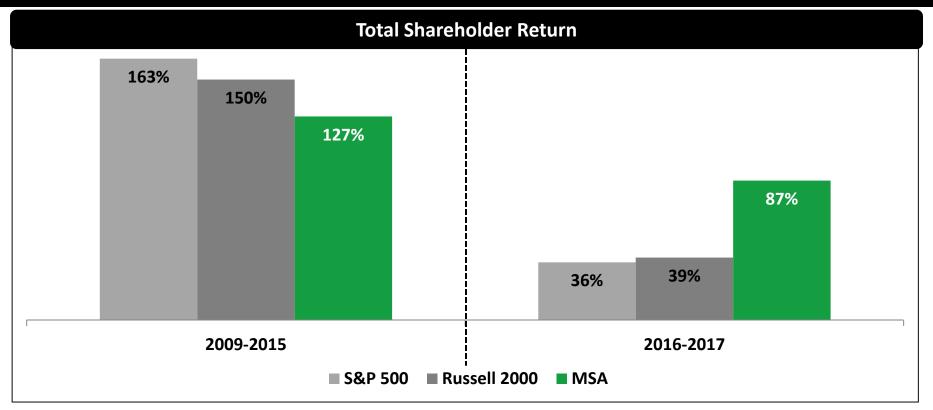
Geographies

Channels

Disciplined and comprehensive approach to M&A

Step-Change in EBITDA shifts trend in Shareholder Return





Double-digit EBITDA growth in 2016 and 2017 drives superior shareholder returns

Delivering on our Commitments



	Achieve mid-single digit revenue growth	+7% Core Product 5 Year CAGR Constant Currency	+4% Total Sales 5 Year CAGR Constant Currency	Ø			
	Drive EPS accretion in year 1 of acquisitions	\$0.13 Latchways Year 1 GAAP EPS	\$0.10 Globe 1st 5 Months GAAP EPS	Ø			
Targets	Drive significant operating margin expansion	270 BPS 2016 Adjusted Operating Margin Expansion	130 BPS 2017 Adjusted Operating Margin Expansion	Ø			
Ľ	Reduce Cost Structure by \$20M over 2 Years		5M tant Currency SG&A Savings	Ø			
	Improve Working Capital and Generate 100% Cash Flow Conversion)%+ ash Flow Conversion	Ø			
	Continue to Fund an Increasing Dividend	50+ Years of Dividend Increases					

MSA has a track record of delivering on financial performance commitments

Growth

Tax Reform

- Expect strong industrial performance and continued elevated demand in firefighter safety
- Expect Mid-Single Digit
 Organic Revenue Growth
- Expect to repatriate \$75-\$100M of cash from foreign affiliates
- Expect effective tax rate of 23-24%



- Continue to focus on controlling discretionary costs
- Make strategic investments to drive profitable growth

Capital Deployment



- Continue to evaluate M&A opportunities, invest in R&D, return cash to shareholders via dividend, and de-lever
- Target 100% FCF Conversion

Expecting continued earnings expansion and strong cash flow in 2018

Long Term Financial Expectations



Revenue Growth

MSD constant currency revenue growth

Cost Structure & Margin Improvement

NPD investment, leverage the channel, focus on productivity

Cash Flow & Capital Allocation

100% FCF conversion and balanced strategy supports growth

EBITDA

Increasing at 1.5x - 3x revenue growth



Expect MSD revenue growth and EBITDA growth of 1.5-3x revenue growth over next several years





MSA Investor Day 2018 – Key Takeaways



Ø	Growth in Focus	MSA is well positioned for mid-single digit revenue growth over the long term
Ø	Productivity and Capital Allocation	Successful in reducing cost structure and expanding margins over past several years; with more runway ahead
Ø	MSA Americas	Focused on growth across the core portfolio in firefighter safety, industrial personal protective equipment, and gas detection
Ø	MSA International	 Improving profitability in developed markets through targeted initiatives aimed at leveraging channels and reducing complexity; execute growth strategy in emerging markets
\bigcirc	Growth Platforms	Industry leading innovations and robust new product pipeline support revenue growth targets
Ø	Financial Review	Expect EBITDA to grow at 1.5-3x revenue growth; committed to strategically deploying capital to drive profitable growth MSAsafety.com







Constant currency revenue growth: 2017

	Breathing Apparatus	Firefighter Helmets and Protective Apparel	Industrial Head Protection	Portable Gas Detection	Fixed Gas and Flame Detection	Fall Protection	Core Sales	Non-Core Sales	Net Sales
GAAP reported sales change	(4)%	97 %	13 %	4%	4 %	2%	8 %	(12)%	4 %
Plus: Currency translation effects	- %	(1)%	(2)%	-%	(2)%	2%	(1)%	(2)%	(1)%
Constant currency sales change	(4)%	96 %	11 %	4%	2 %	4%	7 %	(14)%	3 %
Less: Acquisitions	<u> </u>	89 %	— %	-%	— %	-%	5 %	<u> </u>	4 %
Organic constant currency change	(4)%	7 %	11 %	4%	2 %	4%	2 %	(14)%	(1)%

Management believes that constant currency revenue growth is a useful metric for investors, as foreign currency translation can have a material impact on revenue growth trends. Constant currency revenue growth highlights ongoing business performance excluding the impact of fluctuating foreign currencies, which is outside of management's control. Organic constant currency revenue growth is defined as constant currency revenue growth excluding acquisitions. Management believes that organic constant currency revenue growth is a useful measure for investors to provide an understanding of MSA's standalone results. There can be no assurances that MSA's definition of constant currency revenue growth or organic constant currency revenue growth is consistent with that of other companies. As such, management believes that it is appropriate to consider revenue growth determined on a GAAP basis in addition to these non-GAAP financial measures.

The Safety Company

Constant currency revenue CAGR: 2012 - 2017

	Breathing Apparatus	Firefighter Helmets and Protective Apparel	Industrial Head Protection	Portable Gas Detection	Fixed Gas and Flame Detection	Fall Protection	Core Sales	Non-Core Sales	Net Sales
GAAP reported sales change	6%	16%	1%	1%	2%	18%	5%	(11)%	2%
Plus: Currency translation effects	2%	2%	3%	2%	1%	2%	2%	3 %	2%
Constant currency sales change	8%	18%	4%	3%	3%	20%	7%	(8)%	4%
Less: Acquisitions	%	13%	-%	— %	- %	19%	2%	%	2%
Organic constant currency change	8%	5%	4%	3%	3%	1%	5%	(8)%	2%

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The Safety Company

Constant currency revenue CAGR: 2014 - 2017

	Firefighter Safety	Industrial Core PPE	Gas Detection	Core Sales	Non-Core Sales	Net Sales
GAAP reported sales change	14%	6%	(2)%	5%	(11)%	2%
Plus: Currency translation effects	3%	3%	2 %	3%	3 %	3%
Constant currency sales change	17%	9%	- %	8%	(8)%	5%
Less: Acquisitions	4%	9%	— %	4%	<u> </u>	3%
Organic constant currency change	13%	-%	— %	4%	(8)%	2%

Management believes that constant currency revenue growth is a useful metric for investors, as foreign currency translation can have a material impact on revenue growth trends. Constant currency revenue growth highlights ongoing business performance excluding the impact of fluctuating foreign currencies, which is outside of management's control. Organic constant currency revenue growth is defined as constant currency revenue growth excluding acquisitions. Management believes that organic constant currency revenue growth is a useful measure for investors to provide an understanding of MSA's standalone results. There can be no assurances that MSA's definition of constant currency revenue growth or organic constant currency revenue growth is consistent with that of other companies. As such, management believes that it is appropriate to consider revenue growth determined on a GAAP basis in addition to these non-GAAP financial measures.

The Safety Company

Constant currency revenue CAGR: 2014 - 2017

	Consolidated	Americas	International
GAAP reported sales change	2%	4%	(1)%
Plus: Currency translation effects	3%	2%	4 %
Constant currency sales change	5%	6%	3 %
Less: Acquisitions	3%	3%	3 %
Organic constant currency change	2%	3%	— %

Management believes that constant currency revenue growth is a useful metric for investors, as foreign currency translation can have a material impact on revenue growth trends. Constant currency revenue growth highlights ongoing business performance excluding the impact of fluctuating foreign currencies, which is outside of management's control. Organic constant currency revenue growth is defined as constant currency revenue growth excluding acquisitions. Management believes that organic constant currency revenue growth is a useful measure for investors to provide an understanding of MSA's standalone results. There can be no assurances that MSA's definition of constant currency revenue growth or organic constant currency revenue growth is consistent with that of other companies. As such, management believes that it is appropriate to consider revenue growth determined on a GAAP basis in addition to these non-GAAP financial measures.

The Safety Company

Constant currency revenue CAGR: 2011 - 2014

	Firefighter Safety	Industrial Core PPE	Gas Detection	Core Sales	Non-Core Sales	Net Sales
GAAP reported sales change	1%	8%	8%	6%	(12)%	1%
Plus: Currency translation effects	2%	4%	1%	2%	1 %	2%
Constant currency sales change	3%	12%	9%	8%	(11)%	3%
Less: Acquisitions	_%	-%	-%	-%	- %	-%
Organic constant currency change	3%	12%	9%	8%	(11)%	3%

Management believes that constant currency revenue growth is a useful metric for investors, as foreign currency translation can have a material impact on revenue growth trends. Constant currency revenue growth highlights ongoing business performance excluding the impact of fluctuating foreign currencies, which is outside of management's control. Organic constant currency revenue growth is defined as constant currency revenue growth excluding acquisitions. Management believes that organic constant currency revenue growth is a useful measure for investors to provide an understanding of MSA's standalone results. There can be no assurances that MSA's definition of constant currency revenue growth or organic constant currency revenue growth is consistent with that of other companies. As such, management believes that it is appropriate to consider revenue growth determined on a GAAP basis in addition to these non-GAAP financial measures.

The Safety Company

Organic constant currency SG&A expense

		Months cember 31.				Months cember 31,	0/
	2017	2016	% Change		2016	2015	% Change
GAAP reported SG&A expense	\$297,801	\$ 306,144	(3)%	GAAP reported SG&A expense	\$306,144	\$315,270	(3)%
Plus: currency translation effects		2,279		Plus: currency translation effects		(6,906)	
Constant currency SG&A expense	297,801	308,423	(3)%	Constant currency SG&A expense	306,144	308,364	(1)%
Less: Acquisitions and strategic transaction costs	9,783	3,994		Less: Acquisitions and strategic transaction costs	17,632	10,694	
Organic constant currency SG&A expense	288,018	304,429	(5)%	Organic constant currency SG&A expense	288,512	297,670	(3)%

Management believes that organic constant currency SG&A expense is a useful metric for investors to measure the effectiveness of the company's cost reduction programs. Constant currency SG&A expense highlights spending patterns excluding fluctuating foreign currencies. Organic constant currency SG&A expense highlights the impact of acquisitions and strategic transaction costs. These metrics provide investors with a greater level of clarity into spending levels on a year-over-year basis. There can be no assurances that MSA's definition of organic constant currency SG&A expense is consistent with that of other companies. As such, management believes that it is appropriate to consider SG&A expense determined on a GAAP basis in addition to this non-GAAP financial measure.

Adjusted operating income/adjusted operating margin



	Q4 2017	Q3 2017
Sales to external customers	\$ 346,140	\$ 296,129
Operating income (loss)	(30,996)	40,617
Operating margin %	(9.0)%	13.7%
Restructuring and other charges	712	3,214
Currency exchange losses, net	1,133	562
Other operating expense	93,476	3,346
Adjusted operating income	64,325	47,739
Adjusted operating margin %	18.6 %	16.1%

Adjusted operating income (loss) and adjusted operating margin are the measures used by the chief operating decision maker to evaluate segment performance and allocate resources. As such, management believes that adjusted operating income (loss) and adjusted operating margin are useful metrics for investors. Adjusted operating income (loss) is defined as operating income excluding restructuring and other charges, currency exchange (gains) losses and other operating expense. Adjusted operating margin is defined as adjusted operating income (loss) divided by segment sales to external customers. Adjusted operating income (loss) and adjusted operating margin are not recognized terms under GAAP and therefore do not purport to be alternatives to operating income or operating margin as a measure of operating performance. The Company's definition of adjusted operating income (loss) and adjusted operating margin may not be comparable to similarly titled measures of other companies. As such, management believes that it is appropriate to consider operating income determined on a GAAP basis in addition to these non-GAAP measures.

Adjusted operating income/adjusted operating margin



	1	Americas	In	ternational	Corporate	Consolidated			
Twelve Months Ended December 31, 2017									
Sales to external customers	\$	736,847	\$	459,962	_	\$	1,196,809		
Operating income							43,345		
Operating margin %							3.6%		
Restructuring and other charges							17,632		
Currency exchange losses, net							5,127		
Other operating expense							126,432		
Adjusted operating income (loss)		184,287		45,461	(37,212)	\$	192,536		
Adjusted operating margin %		25.0%		9.9%			16.1%		
Twelve Months Ended December 31, 2016									
Sales to external customers	\$	678,433	\$	471,097	_	\$	1,149,530		
Operating income							164,192		
Operating margin %							14.3%		
Restructuring and other charges							5,694		
Currency exchange losses, net							766		
Other operating expense							_		
Adjusted operating income (loss)		162,788		46,491	(38,627)	\$	170,652		
Adjusted operating margin %		24.0%		9.9%			14.8%		

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Adjusted operating income/adjusted operating margin



	F	Americas	In	ternational	Corporate	C	onsolidated
Twelve Months Ended December 31, 2015							
Sales to external customers	\$	704,754	\$	426,029	_	\$	1,130,783
Operating income							122,741
Operating margin %							10.9%
Restructuring and other charges							12,258
Currency exchange losses, net							2,204
Other operating expense							_
Adjusted operating income (loss)		141,971		33,501	(38,269)	\$	137,203
Adjusted operating margin %		20.1%		7.9%			12.1%
Twelve Months Ended December 31, 2014							
Sales to external customers	\$	663,655	\$	470,230	_	\$	1,133,885
Operating income							134,281
Operating margin %							11.8%
Restructuring and other charges							8,515
Currency exchange losses, net							1,509
Other operating expense							_
Adjusted operating income (loss)		134,819		46,847	(37,361)	\$	144,305
Adjusted operating margin %		20.3%		10.0%			12.7%

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Adjusted operating income/adjusted operating margin

	_	2009	2010 2011 201		2012	2 2013		2014		2015		2016			2017		
Sales to external customers	\$	865,718	\$ 922,552	\$1	,112,814	\$	1,110,043	\$1	,112,058	\$1	1,133,885	\$1	,130,783	\$1	,149,530	\$1	,196,809
Operating income		63,798	56,302		109,733		129,811		130,985		134,281		122,741		164,192		43,345
Operating margin %		7.4%	6.1%		9.9%		11.7%		11.8%		11.8%		10.9%		14.3%		3.6%
Restructuring and other charges		11,378	14,121		8,559		2,787		5,344		8,515		12,258		5,694		17,632
Currency exchange (gains) losses, net		(1,078)	(377)		3,051		3,192		5,452		1,509		2,204		766		5,127
Other operating expense		_	_		_		_		_		_		_		_		126,432
Adjusted operating income	\$	74,098	\$ 70,046	\$	121,342	\$	135,790	\$	141,781	\$	144,305	\$	137,203	\$	170,652	\$	192,536
Adjusted operating margin %		8.6%	7.6%		10.9%		12.2%		12.7%		12.7%		12.1%		14.8%		16.1%

Adjusted operating income (loss) and adjusted operating margin are the measures used by the chief operating decision maker to evaluate segment performance and allocate resources. As such, management believes that adjusted operating income (loss) and adjusted operating margin are useful metrics for investors. Adjusted operating income (loss) is defined as operating income excluding restructuring and other charges, currency exchange (gains) losses and other operating expense. Adjusted operating margin is defined as adjusted operating income (loss) divided by segment sales to external customers. Adjusted operating income (loss) and adjusted operating margin are not recognized terms under GAAP and therefore do not purport to be alternatives to operating income or operating margin as a measure of operating performance. The Company's definition of adjusted operating income (loss) and adjusted operating margin may not be comparable to similarly titled measures of other companies. As such, management believes that it is appropriate to consider operating income determined on a GAAP basis in addition to these non-GAAP measures.

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The Safety Company

Adjusted EBITDA/adjusted EBITDA margin

	2009	2010	2011	2012	2013	2014	2015	2016	2017
Income from continuing operations attributable to MSA Safety Inc.	\$ 42,072	\$ 35,886	\$ 67,518	\$ 87,557	\$ 85,858	\$ 87,447	\$ 69,590	\$ 92,691	\$ 26,027
Provision for income taxes	21,232	17,335	33,806	41,401	35,145	41,044	44,407	57,804	2,819
Interest expense	7,079	8,694	14,116	11,344	10,677	9,851	10,854	16,411	15,360
Depreciation and amortization	27,362	29,192	32,866	31,702	30,764	29,921	31,684	35,273	37,877
Restructuring and other charges	11,378	14,121	8,559	2,787	5,344	8,515	12,258	5,694	17,632
Strategic transaction costs	_	6,500	_	_	_	_	7,462	2,531	4,225
Other (income) expense, net	(6,333)	(5,948)	(5,458)	(10,876)	175	(2,765)	861	(4,130)	(1,790)
Currency exchange (gains) losses, net	(1,078)	(377)	3,051	3,192	5,452	1,509	2,204	766	5,127
Self-insured legal settlements and defense costs	_	_	_	_	1,697	3,893	982	341	126,432
Adjusted EBITDA	\$101,712	\$105,403	\$ 154,458	\$ 167,107	\$ 175,112	\$ 179,415	\$ 180,302	\$ 207,381	\$ 233,709
Net Sales	865,718	922,552	1,112,814	1,110,443	1,112,058	1,133,885	1,130,783	1,149,530	1,196,809
Adjusted EBITDA margin	11.7%	11.4%	13.9%	15.0%	15.7%	15.8%	15.9%	18.0%	19.5%

Adjusted EBITDA is a non-GAAP financial measure. MSA defines this measure as net income attributable to the Company, excluding interest, taxes, depreciation and amortization, restructuring charges, self-insured legal settlements and defense costs, currency exchange gains/losses, strategic transaction costs and other income. Management believes this information is useful for investors to analyze ongoing profitability trends of the Company. MSA defines adjusted EBITDA margin as adjusted EBITDA divided by net sales. Adjusted EBITDA and adjusted EBITDA margin, as defined herein, may not be comparable to similarly titled measures reported by other companies. Furthermore, this performance measure does not take into account certain significant items that directly affect net income. These non-GAAP measures should be considered in addition to GAAP measures such as net income.

Debt to adjusted EBITDA



	2009	2010	2011	2012	2013	2014	2015	2016	2017
Adjusted EBITDA	\$101,712	\$105,403	\$ 154,458	\$ 167,107	\$ 175,112	\$ 179,415	\$ 180,302	\$ 207,381	\$ 233,709
Total end-of-period debt	98,440	377,257	342,309	279,000	267,334	251,667	466,626	390,502	474,512
Debt to adjusted EBITDA	1.0	3.6	2.2	1.7	1.5	1.4	2.6	1.9	2.0

Debt to adjusted EBITDA ratio is a non-GAAP measure defined as total long term debt and debt maturing within one year divided by adjusted EBITDA, as reconciled above. This ratio is frequently used by investors and credit agencies and management believes this measures provides relevant and useful information.



Globe earnings per diluted share excluding transaction costs and purchase accounting amortization

		ed 7			
		nciliation arnings	Reconciliation of Earnings Per Diluted Share		
Globe GAAP earnings	\$	3,739	\$	0.10	
Transaction costs		1,778		0.05	
Purchase accounting amortization		1,710		0.04	
Income tax expense on adjustments		(1,221)		(0.03)	
Globe earnings excluding transaction costs and purchase accounting amortization	\$	6,006	\$	0.16	

Management believes that Globe earnings per diluted share excluding transaction costs and purchase accounting amortization is a useful measure for investors, as management uses this measure to assess the profitability of MSA's recent acquisition of firefighter turnout gear manufacturer Globe. There can be no assurances that MSA's metrics are consistent with that of other companies. As such, management believes that it is appropriate to consider both Globe net income determined on a GAAP basis as well as Globe earnings per diluted share excluding transaction costs and purchase accounting amortization.



Latchways earnings per diluted share excluding transaction costs and purchase accounting amortization The Safety Company

	Twelve Months Ended December 31, 2016						
	onciliation Earnings	of Ea	onciliation arnings Per ted Share				
Latchways GAAP earnings	\$ 4,405	\$	0.13				
Transaction costs	548		0.01				
Purchase accounting amortization	4,942		0.12				
Income tax expense on adjustments	 (1,071)		(0.03)				
Latchways earnings excluding transaction costs and purchase accounting amortization	\$ 8,824	\$	0.23				

Management believes that Latchways earnings per diluted share excluding transaction costs and purchase accounting amortization is a useful measure for investors, as management uses this measure to assess the profitability of MSA's recent acquisition of firefighter turnout gear manufacturer Latchways. There can be no assurances that MSA's metrics are consistent with that of other companies. As such, management believes that it is appropriate to consider both Latchways net income determined on a GAAP basis as well as Latchways earnings per diluted share excluding transaction costs and purchase accounting amortization.

General Monitors earnings per diluted share excluding transaction costs and purchase accounting amortization



			e Months Ended ember 31, 2011			
		onciliation Earnings	Reconciliation of Earnings Per Diluted Share			
General Monitors GAAP earnings	\$	16,100	\$	0.44		
Transaction costs		_	_			
Purchase accounting amortization		5,500		0.15		
Income tax expense on adjustments		(1,925)		(0.06)		
General Monitors earnings excluding transaction costs and purchase accounting amortization	\$	19,675	\$	0.53		

Management believes that General Monitors earnings per diluted share excluding transaction costs and purchase accounting amortization is a useful measure for investors, as management uses this measure to assess the profitability of MSA's recent acquisition of firefighter turnout gear manufacturer General Monitors. There can be no assurances that MSA's metrics are consistent with that of other companies. As such, management believes that it is appropriate to consider both General Monitors net income determined on a GAAP basis as well as General Monitors earnings per diluted share excluding transaction costs and purchase accounting amortization.

Adjusted effective tax rate



	2012	2013	2014	2015	2016	2017
GAAP reported effective tax rate	32.0%	29.3%	32.3%	40.0%	38.1%	9.5 %
Less: Tax benefit associated with other operating expense	-%	- %	-%	- %	-%	(22.9)%
Less: Charges associated with U.S. Tax Reform	-%	-%	-%	-%	-%	12.7 %
Less: Tax benefit associated with ASU 2016-09: Improvements to employee share-based payment	-%	-%	-%	- %	-%	(5.3)%
Less: Tax benefit associated with European reorganization	<u>—%</u>	<u>-%</u>	<u>-%</u>	6.9%	4.3%	(1.6)%
Adjusted effective tax rate	32.0%	29.3%	32.3%	33.1%	33.8%	26.6 %

Management believes that its adjusted effective tax rate is a useful measure for investors. The adjusted effective tax rate excludes tax charges associated with U.S. Tax Reform and tax benefits associated with other operating expense, ASU 2016-09 improvements to employee share-based payment accounting and the company's European reorganization. These tax charges/benefits reflect items that are unrelated to the ongoing operations of the company. There can be no assurances that MSA's metric is consistent with metrics used by other companies. As such, management believes that it is appropriate to consider MSA's effective tax rate determined on a GAAP basis as well as this non-GAAP measure.

Free cash flow



	2012	2013	2014	2015	2016	2017
Cash flow from operating activities	\$150,476 (32,200)	\$110,781 (36,517)	\$107,031 (33,583)	\$ 55,254 (36,241)	\$134,984 (25,523)	\$ 230,336 (23,725)
Capital expenditures	(32,200)	(30,317)	(55,565)	(30,241)	(25,525)	(23,723)
Free cash flow	\$118,276	\$ 74,264	\$ 73,448	\$ 19,013	\$109,461	\$206,611
Net income attributable to MSA Safety Incorporated	90,637	88,247	88,506	70,807	91,936	26,027
Free cash flow conversion	130%	84%	83%	27%	119%	794%

Management believes that free cash flow is a meaningful measure for investors. Management reviews cash from operations after deducting capital expenditures because these expenditures are necessary to promote growth of MSA's business and are likely to produce cash from operations in future periods. It is important to note that free cash flow does not reflect the residual cash balance of the company for discretionary spending since other items, including debt and dividend payments, are deducted from free cash flow before arriving at the company's ending cash balance. Management defines free cash flow conversion as free cash flow divided by net income attributable to MSA. There can be no assurances that MSA's definition of free cash flow is consistent with that of other companies. As such, management believes that it is appropriate to consider cash from operating activities determined on a GAAP basis as well as free cash flow.