



The Timken Company

2019 Investor Day

December 12, 2019



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2019 Investor Day

Shelly Chadwick

Vice President, Finance and Chief Accounting Officer



Today's Agenda

9:30	Welcome Advancing as a Global Industrial Leader Moving the World's Industries Forward	Shelly Chadwick Rich Kyle Chris Coughlin
10:40	Break	
11:00	Reconvene Continued Leadership in Engineered Bearings Expanded Offering with Power Transmission A Strong Investment with Enduring Value	Shelly Chadwick Andreas Roellgen Hans Landin Phil Fracassa
12:05	Q&A	
12:30	Networking Reception, Lunch and Departure	

Forward-Looking Statements Safe Harbor and Non-GAAP Financial Information

Certain statements in this presentation (including statements regarding the company's forecasts, beliefs, estimates and expectations) that are not historical in nature are "forward-looking" statements within the meaning of the Private Securities Litigation Reform Act of 1995. In particular, the statements related to Timken's plans, outlook, future financial performance, targets, projected sales, cash flows, liquidity and expectations regarding the future financial performance of the company are forward-looking.

The Company cautions that actual results may differ materially from those projected or implied in forward-looking statements due to a variety of important factors, including: the company's ability to respond to the changes in its end markets that could affect demand for the company's products; unanticipated changes in business relationships with customers or their purchases from the company; changes in the financial health of the company's customers, which may have an impact on the company's revenues, earnings and impairment charges; fluctuations in material and energy costs; the impact of changes to the company's accounting methods; weakness in global or regional economic conditions and capital markets; fluctuations in currency valuations; changes in the expected costs associated with product warranty claims; the ability to achieve satisfactory operating results in the integration of acquired companies, including realizing any accretion within expected timeframes or at all; the impact on operations of general economic conditions; fluctuations in customer demand; the impact on the company's pension obligations due to changes in interest rates, investment performance and other tactics designed to reduce risk; the company's ability to complete and achieve the benefits of announced plans, programs, initiatives, and capital investments; political risks associated with governmental instability and recent world events that have increased the risk posed by international trade disputes, tariffs, and sanctions; the introduction of new disruptive technologies; unplanned plant shutdowns; the company's ability to maintain positive relations with unions and works councils; and the company's ability to satisfy its obligations under its debt agreements and renew or refinance borrowings on favorable terms. Additional factors are discussed in the company's filings with the Securities and Exchange Commission, including the company's Annual Report on Form 10-K for the year ended Dec. 31, 2018, quarterly reports on Form 10-Q and current reports on Form 8-K. Except as required by the federal securities laws, the company undertakes no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise.

This presentation includes certain non-GAAP financial measures as defined by the rules and regulations of the Securities and Exchange Commission. Reconciliation of those measures to the most directly comparable GAAP equivalents are provided in the Appendix to this presentation.

Change to EBITDA as Main Operating Income Metric

Timken will begin using EBITDA and adjusted EBITDA as its main operating income metrics

- Recent acquisitions have resulted in a significant amount of purchase accounting amortization expense
- Affecting comparability of results across periods and versus other companies
- EBITDA will result in improved transparency around structural/cash earnings
- Prior operating income metrics were EBIT and adjusted EBIT

Will apply to Timken consolidated results as well as Mobile Industries and Process Industries segment results

No change to other key metrics expected (EPS, adjusted EPS, operating cash flow, free cash flow, etc.)

Change beginning with the 4th quarter of 2019

- This deck includes references to adjusted EBITDA

Prior to the release of Q4-19 results, Timken will furnish a Form 8-K to disclose EBITDA information for relevant prior periods

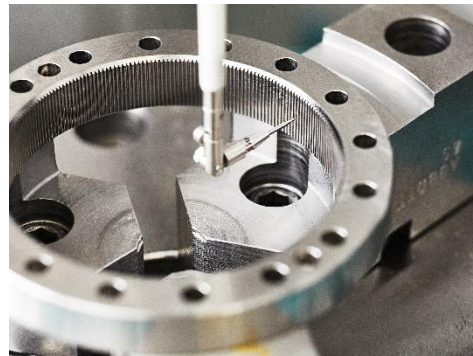
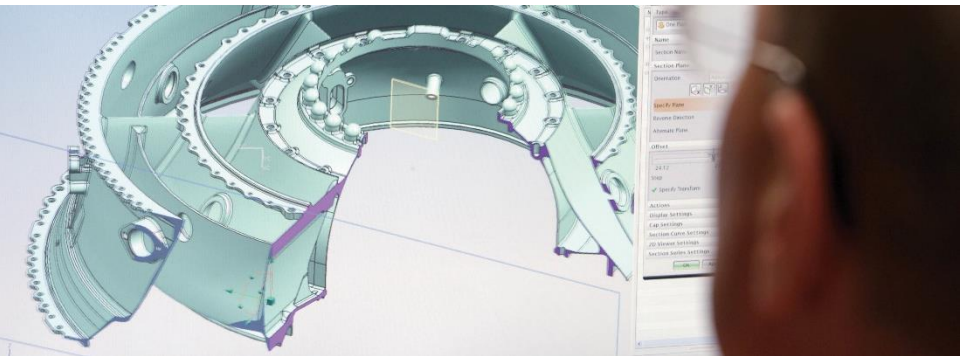


The Timken Company

Advancing as a Global Industrial Leader

Rich Kyle

President and Chief Executive Officer



Key Messages

Timken is advancing as a global industrial leader

- While maintaining focus on our bearing leadership position, we have added complementary product lines to the portfolio, and scaled and entered new growth markets
- Our actions have made Timken a better company—more diversified, more productive and more profitable
- Diverse macro, business and operational drivers will support revenue and earnings growth into the future
- Timken's strong financial position allows us to continue to invest in the enterprise while returning capital to shareholders

We have set new aggressive yet achievable goals for the future

- Highly experienced management team with a track record for driving executional success



**Positioned for
Near- and Long-term
Value Creation**



Timken at a Glance

TKR

Founded 1899
NYSE listed
since 1922

18K

Timken
employees

35

Countries
worldwide

97+

Years
continuous
quarterly
dividends

14.0%

10-year
annualized
total
shareholder
return⁽¹⁾⁽²⁾

2019 Estimated Results⁽³⁾

\$3.8B Revenue

\$737M Adjusted EBITDA

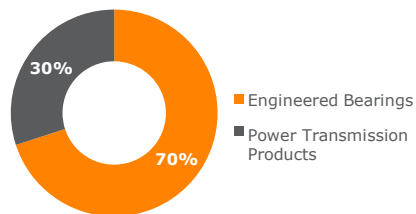
19.5% Adjusted EBITDA Margins

\$4.72 Record Adjusted EPS

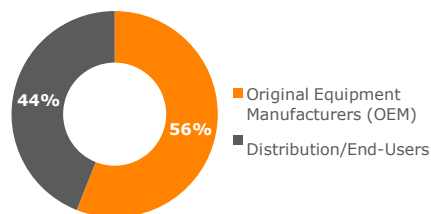
\$375M Free Cash Flow

2.1% Dividend Yield⁽¹⁾

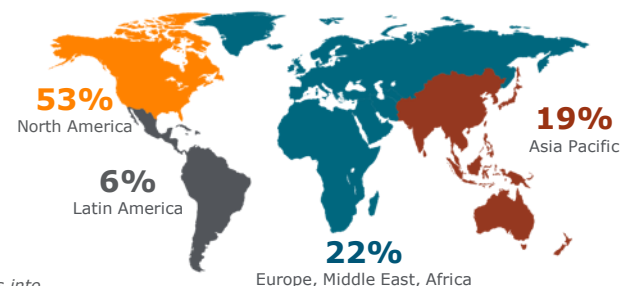
Product Offering Sales⁽³⁾



Sales by Channel⁽³⁾



Sales By Geography⁽³⁾



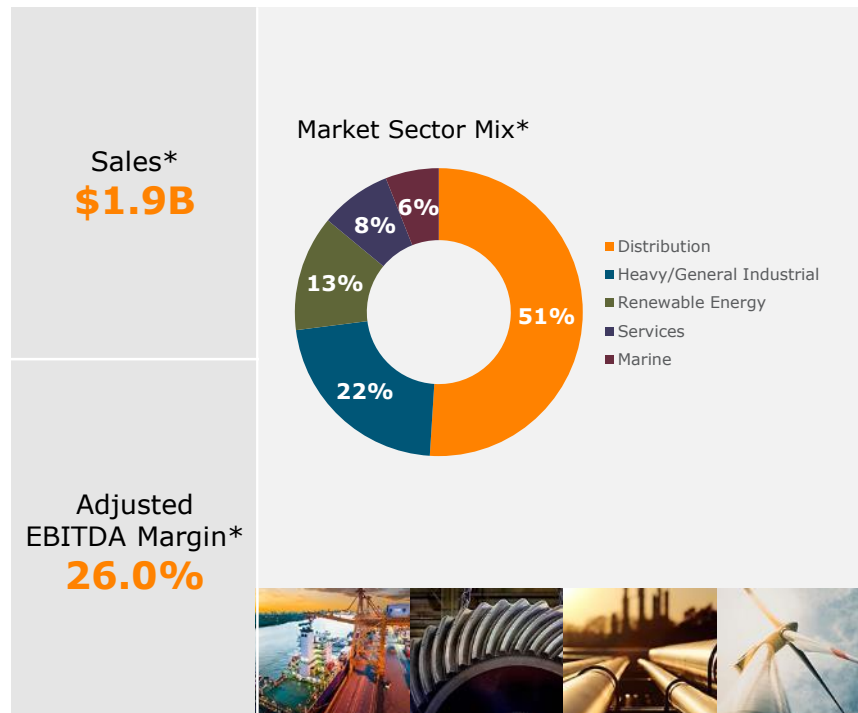
(1) Based on market closing as of November 30, 2019.

(2) Total shareholder return for the Company was calculated on an annualized basis, assumes quarterly reinvestment of dividends and takes into account the value of TimkenSteel Corporation common shares distributed in the spinoff on June 30, 2014.

(3) Estimated results for 2019 based on mid-point of guidance as of December 12, 2019.

Segments Focused on the Market Sectors We Serve

Process Industries Segment



Mobile Industries Segment



A Broad and Market-Leading Product Portfolio

BEARINGS



LINEAR MOTION



LUBRICATION SYSTEMS



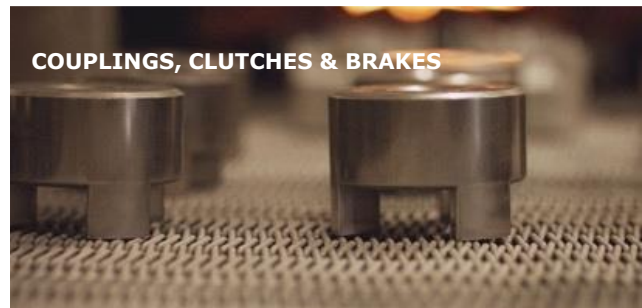
DRIVES & GEARS



BELTS & CHAIN



COUPLINGS, CLUTCHES & BRAKES



TIMKEN

ROLLON

PHILADELPHIA
GEAR

DIAMOND

Cone Drive

DRIVES

GROENEVELD

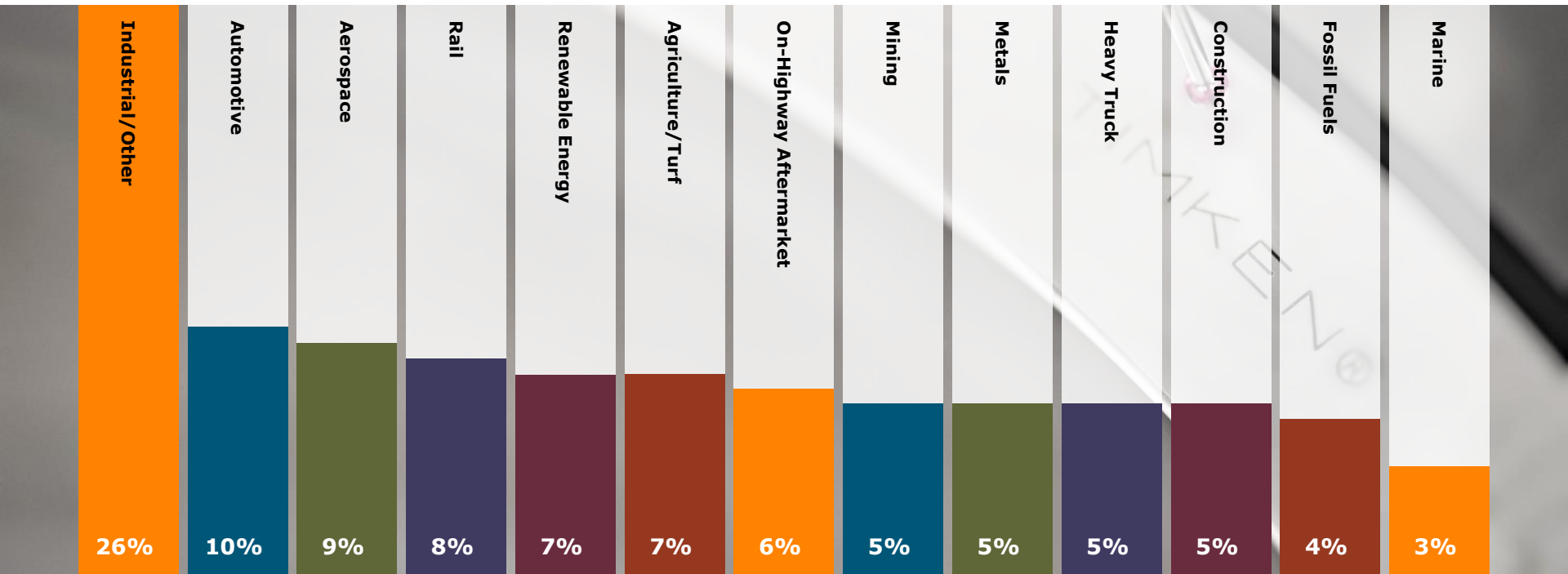
Lovejoy

BEKA

PTTECH

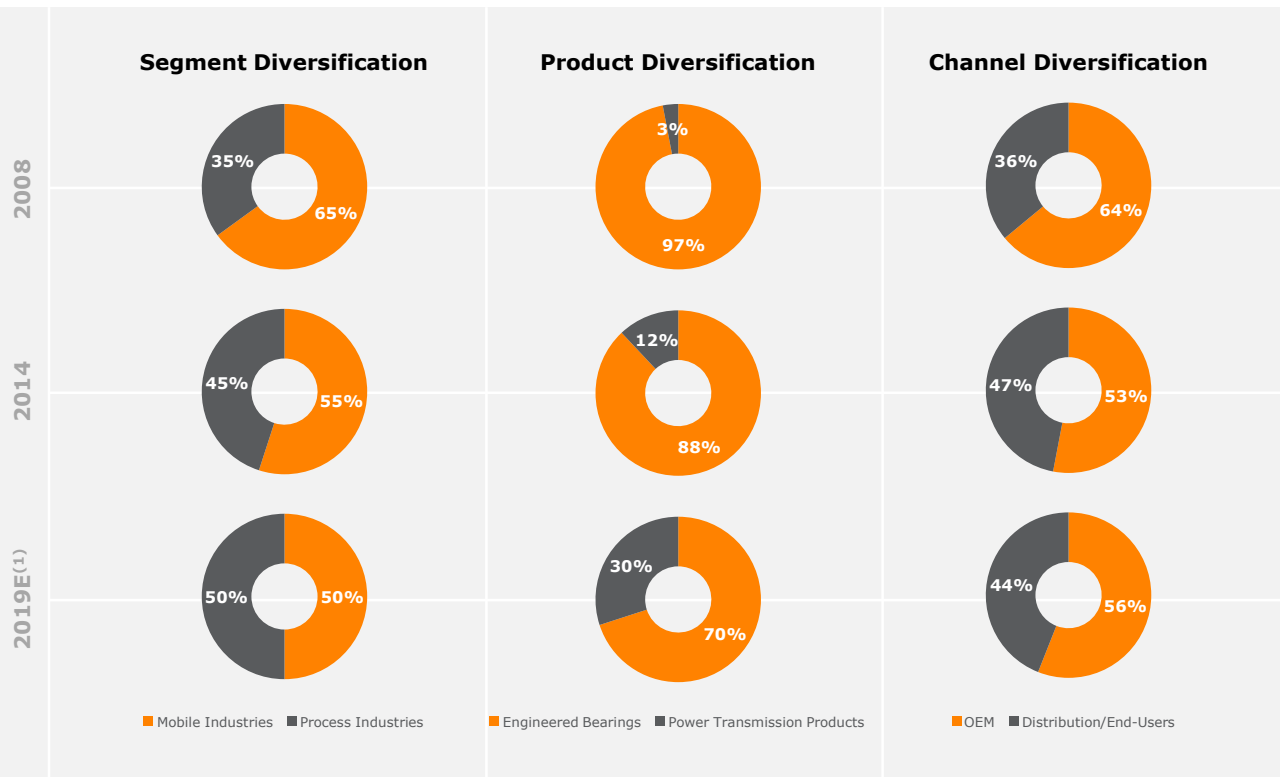
Serving a Diverse End-Market Sector Mix

End-Market Sector Diversification⁽¹⁾



(1) Estimated results for 2019 based on mid-point of guidance as of December 12, 2019.

How Timken is Advancing: Better-Positioned to Perform Through Cycles



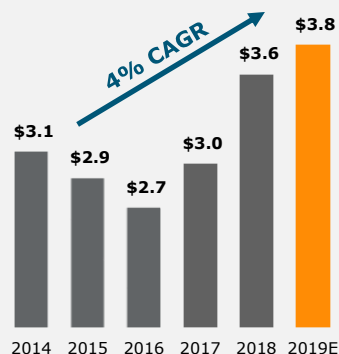
Better-Positioned to Perform Through a Cycle

- Diversified product portfolio
- Growing in Process faster than Mobile
- Scaling in new markets
- Improved pricing model
- Variablized cost structure
- Lower-cost footprint
- Significantly reduced legacy liabilities
- Enhanced margin profile
- Strong cash flow

(1) Estimated results for 2019 based on mid-point of guidance as of December 12, 2019.

The Strategy is Working

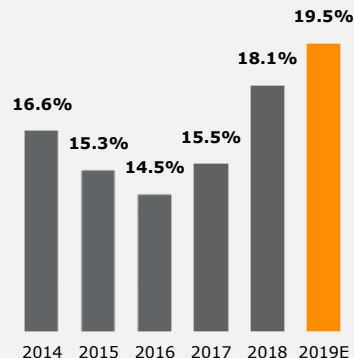
Revenue (\$B)



5-Year sales CAGR of 4%

- Modest organic growth
- Acquisitions contributing meaningfully
- Currency translation negative

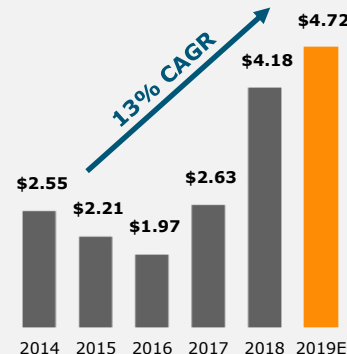
Adj. EBITDA Margin*



Adj. EBITDA margins approaching 20%

Growth, price/mix, acquisitions, operational excellence and pension de-risking delivering next-level results

Adj. EPS*

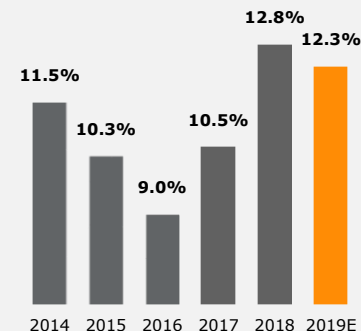


5-Year adj. EPS CAGR of 13%

Record adj. EPS of \$4.70 to \$4.75 in 2019

Demonstrates the new earnings power of the Company

Adj. ROIC*



Strong adj. ROIC over the cycle

Adj. ROIC at or above the cost of capital in all periods

* Amounts shown for 2014-2016 are before the adoption of mark-to-market accounting for pension/OPEB. EPS CAGR calculated based on 2014 adjusted EPS as originally reported (before adoption of mark-to-market accounting for pension/OPEB). See appendix for reconciliations, both before and after the adoption of mark-to-market accounting for pension/OPEB, of adjusted EBITDA margins, adjusted EPS and adjusted return on invested capital ("ROIC") to their most directly comparable GAAP financial measures. ROIC is defined as adjusted net operating profit after taxes ("ANOPAT") divided by average invested capital. Amounts for 2019E represent the mid-point of the Company's outlook as of December 12, 2019.

Delivered on 2017 Investor Day Targets

Category	2017 Long-term Target	2019 Forecasted Performance ⁽¹⁾	Highlights
Revenue Growth	<ul style="list-style-type: none"> Organic: Market growth plus 100 bps “outgrowth” Inorganic: 200+ bps growth from acquisitions 	<ul style="list-style-type: none"> 3-year revenue CAGR of ~12% Organic CAGR ~7% Acquisitions CAGR ~7% 	<p>Generated outgrowth in key markets/sectors</p> <p>Acquisitions contributing meaningfully</p>
Operating Margins	<ul style="list-style-type: none"> Top-end: 13% adj. EBIT margin (consolidated) <ul style="list-style-type: none"> Mobile Industries: 12% Process Industries: 19% 	<ul style="list-style-type: none"> Cons. adj. EBIT margin of >15% (adj. EBITDA margin 19.5%) <ul style="list-style-type: none"> Mobile Ind.: 12% (15.5%) Process Ind.: 21% (26.0%) 	<p>Exceeded EBIT Margin targets by 200bps</p> <p>Shifted mix to Process</p>
FCF and ROIC	<ul style="list-style-type: none"> FCF conversion >100% Adj. ROIC average 12+% 	<ul style="list-style-type: none"> FCF conversion >100% Adj. ROIC of 12.3% 	<p>2019 represents step change in free cash flow</p>
Capital Deployment	<ul style="list-style-type: none"> Deploy cash and balance sheet with capital allocation framework Net debt to capital: 30-45% 	<ul style="list-style-type: none"> 2017-2019 capital deployed: ~\$2.3B⁽²⁾ Net debt to capital: 45% Net debt to adj. EBITDA: 2.1x 	<p>Executed strategy, delivered value for shareholders, maintained leverage targets</p>

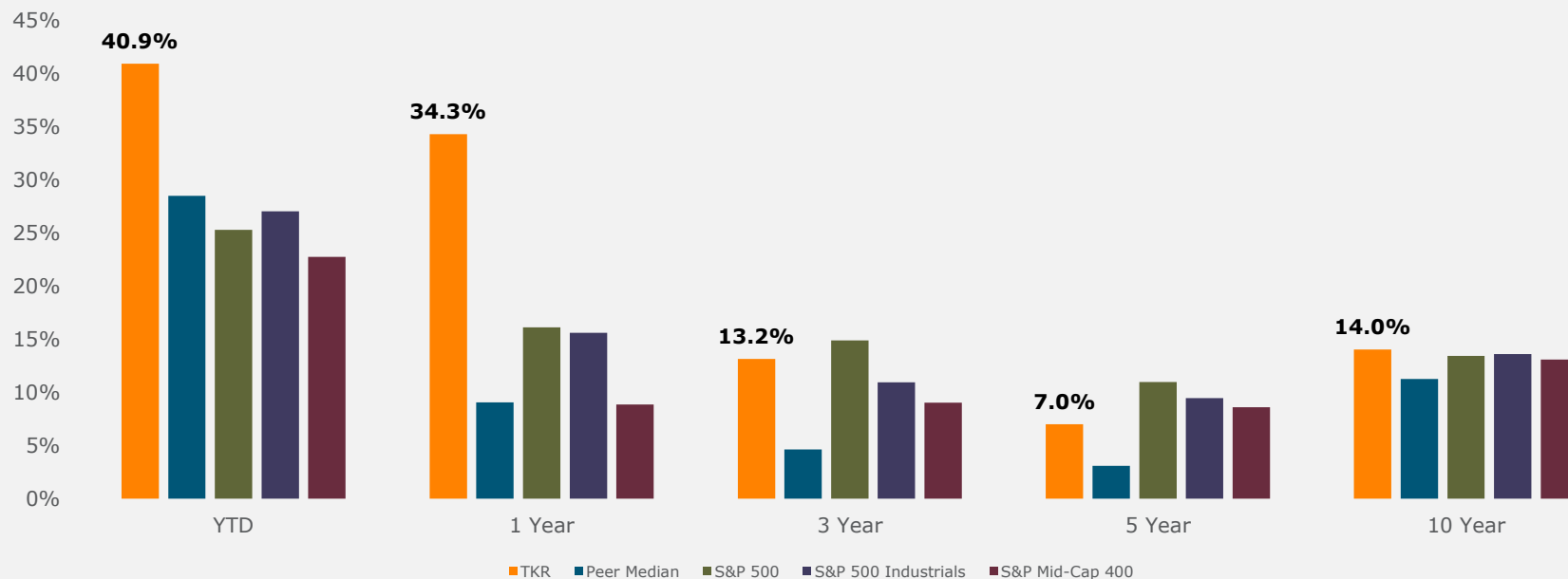
(1) Estimated results for 2019 based on mid-point of guidance as of December 12, 2019.

(2) Includes capital expenditures, dividends, share repurchases and acquisitions.

See appendix for reconciliations of adjusted EBIT margins, adjusted EBITDA margins, adjusted ROIC, net debt to capital and net debt to adjusted EBITDA to their most directly comparable GAAP financial measures. FCF conversion is defined as free cash flow divided by adjusted net income. Free cash flow is defined as net cash provided by operating activities minus capital expenditures.

Creating Value for Shareholders

Total Shareholder Returns (TSR) as of November 30, 2019



NOTE: YTD return is simple return and does not include dividends reinvested. All other periods were calculated on an annualized basis and assume quarterly reinvestment of dividends. 10 Year TSR for the company takes into account the value of TimkenSteel Corporation common shares distributed in the spinoff on June 30, 2014. Peers represent composite of 18-company group consisting primarily of S&P 400 Mid-Cap Industrials.

Advancing Our Industrial Leadership

Vision: Be the global leader in engineered bearings and power transmission, continually improving performance, reliability and efficiency.



Emerging Trends Require Timken Expertise



SUSTAINABILITY

- Increasing penetration in renewable energy markets
- Helping our customers reduce resistance to motion to improve performance, reliability and efficiency



LIGHT WEIGHTING & MINIATURIZATION

- Leveraging our engineering expertise to support the global shift towards lighter, more dynamic industrial motion solutions
- Enabling our customers to reduce costs and material usage through miniaturization



ASIA

- Seizing opportunities to expand in growth markets like Asia
- Significant aftermarket opportunity as installed base grows



AUTOMATION

- Improving equipment reliability and driving manufacturing excellence through automation



FUEL EFFICIENCY & ELECTRIFICATION

- Developing power-dense solutions to maximize efficiency without sacrificing performance
- Fueling next-generation solutions in electrification to meet customers' evolving expectations

Proven Strategy to Drive Shareholder Value



DRIVE PROFITABLE ORGANIC GROWTH

- Be THE technical leader in solving customers' friction and power transmission challenges
- Expand both our product portfolio and geographic presence
- Deliver a best-in-class customer service experience using a differentiated technical sales model



OPERATE WITH EXCELLENCE

- Drive enterprise-wide lean and continuous improvement efforts
- Build a more cost-effective global manufacturing footprint
- Deliver efficiencies across our supply chains
- Optimize processes and SG&A efficiency



DEPLOY CAPITAL TO DELIVER SHAREHOLDER VALUE

- Invest in organic growth and productivity initiatives
- Pay an attractive dividend that grows over time with earnings⁽¹⁾
- Broaden portfolio and reach through value-accretive M&A
- Return capital through share repurchases

(1) Subject to Board approval on a quarterly basis.

Our Actions Are Driven by the Timken Business Model



Winning With Customers: Timken's Competitive Advantage



DEEP EXPERTISE & INNOVATION IN BEARINGS AND POWER TRANSMISSION

- Serving our customers' advancing product requirements with extensive knowledge and innovative solutions



GLOBAL REACH & DISTRIBUTION CHANNEL

- Further extending our global presence through capital investment and acquisitions
- Building an extensive global distribution network to serve fragmented markets



LONGSTANDING REPUTATION WITH CUSTOMERS

- Delivering on our brand promise, including industry-leading quality, reliability and customer service



OPERATIONAL EXCELLENCE

- Driving efficiencies and cost reductions across our supply chains
- Delivering the best service in the industry



TECHNICAL SALES AND SERVICE MODEL

- Delivering unparalleled value through our collaborative technical sales and service model which combines application engineering, product development and field service

Delivering an Industry-Leading Customer Experience

Moving Our World Forward, For Good— Through Products, Services, Actions



- Embrace energy efficiency, pollution prevention, waste management and recycling to protect our planet
- Design products that use less energy and reduce greenhouse gas emissions
- Engineer solutions to increase the efficiency and affordability of renewable-energy options



- Operate ethically and honestly; 2019 was our ninth recognition by the Ethisphere Institute as one of the world's most ethical companies
- Commit to diversity and inclusion with investment in multiple initiatives to recruit and retain more diverse hires
- Focus on best-in-class safety



- Promote the interests of the company and its shareholders
- Remain dedicated to an independent and diverse board; received a "Winning" designation by 2020 Women on Boards
- Align management compensation with shareholders; policy permits clawback following conduct that is detrimental to the Company

Allocating Capital to Create Shareholder Value

Invest in core business

- Target projects with high IRR's
- Bulk of spend on organic growth and productivity/margin improvement initiatives

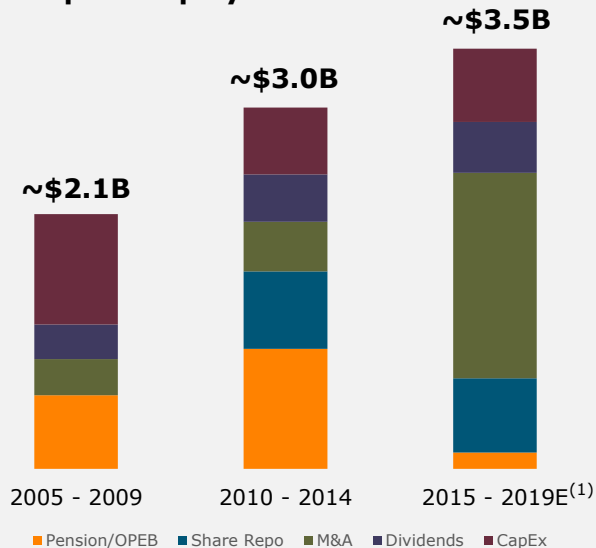
Grow inorganically

- Product line extensions with Diamond, BEKA
- New product lines with Cone, Rollon
- New attractive markets like automation, solar
- Deliver cost and revenue synergies

Return capital

- Strong commitment to dividend; paid 390th dividend in December 2019
- Increased annual dividend payout for six years running
- Repurchased 17% of stock (net) since June 30, 2014

Capital Deployment



NOTE: All periods are excluding the company's steel business which was spun off on June 30, 2014. Prior to 2012 assumes pension/OPEB split of 65% bearing/35% steel.

Acquisition Strategy Focused on Broader Power Transmission and Motion Space

Timken acquisition strategy:

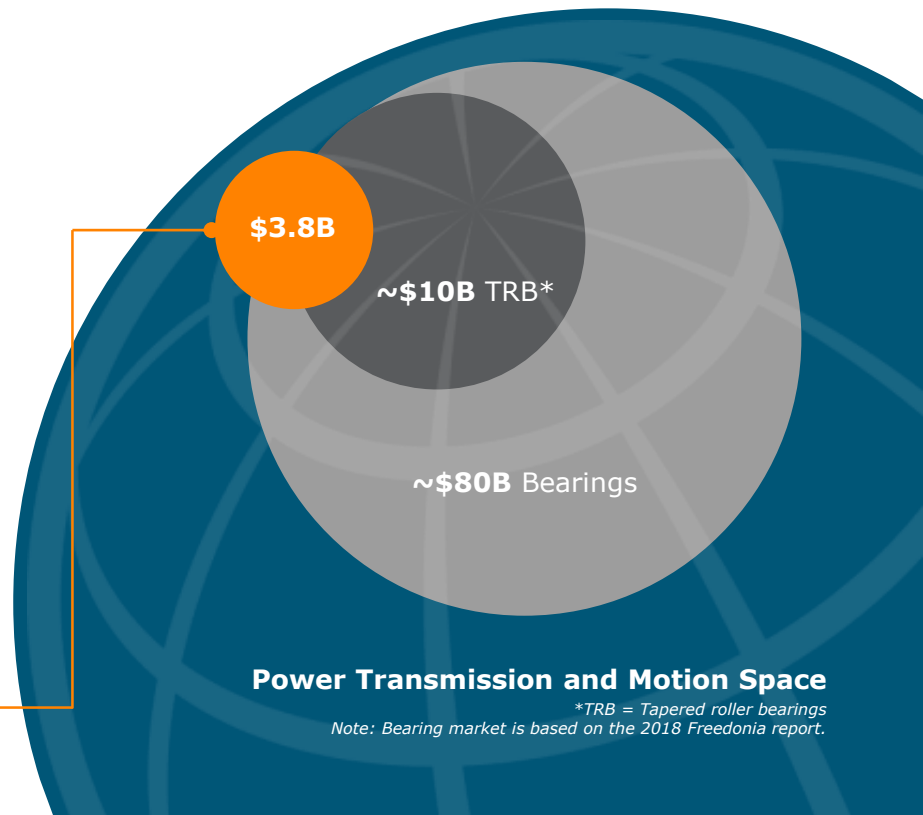
Consolidate attractive targets within the global bearing space

- Focus on “bolt-ons” to enhance industry-leading product offering or extend reach

Expand into attractive adjacencies that fit the Timken Business Model

- Focus on high-quality businesses across the industrial power transmission and motion space
- Enhance our organic growth and profitability over the long-term
- Continue to grow and enhance global industrial distribution platform

TIMKEN



Track Record of Strategic Acquisitions to Accelerate Growth

Concentrated on bearings

Bearings as primary offering
Industrial-focused end markets

Growing our PT portfolio

Adding complementary products/services
Better serving current customers
Expanding global customer base
Accretive to earnings
Scale in new markets

Strengthening our position for the future

Deepen position in established product lines
Higher-growth end markets and geographies
Significant cost and sales synergies



2010



2011



2012



2013



2014



2015



2016



2017



2018



2019

2024

What to Expect Going Forward

Continue to drive the strategy and apply the Timken Business Model

Thoughtful and deliberate approach to our mix of business

- Products, markets, geographies, aftermarket
- Drive profitable growth, attractive mix and more resilient top line

Industry-leading operating performance

- Value-based pricing
- Systematic approach to cost reductions, footprint, variable cost structure, etc.
- Drive strong margins and cash flow

Capital deployment as a differentiator

- Make investments (organic and inorganic) to enhance growth, margins and mix
- Drive stronger shareholder returns, including capital return



Long-Term Financial Plan

Long-term (5-Year) Targets

Strong Top-line Growth

- Positive macros support market growth of 2-3% over cycle
- Organic outgrowth driven by new products and markets
- Accretive acquisitions will enhance growth

Organic Growth CAGR: 3-4%
Inorganic Growth CAGR: 2-3%
Total Growth CAGR: ~6%

Earnings Growth

- Operational Excellence delivers strong EBITDA margins
- Strong EPS growth over the cycle
- Share buyback will contribute

EPS CAGR: 10%
EBITDA Margins: 20%

Robust Cash Generation

- Expect strong cash flow to continue
- Improved working capital performance
- Supports capital deployment strategy

Free Cash Flow: >100%
Conversion on Net Income

Value-creating Capital Deployment

- Organic growth remains top priority with greatest returns
- M&A drives long-term value creation
- Capital return remains important

Leverage: 1.5-2.5x Net Debt-to-Adj. EBITDA

Why Invest in Timken

- Advancing as a global industrial leader
- Robust product portfolio with deep technical and commercial capabilities
- Focusing on growth with a compelling pipeline of opportunities for innovation
- Positioned to grow in attractive end markets where we can leverage our global footprint and efficiently serve customers
- Creating value by performing through cycles with solid margins and strong cash flow
- Maintaining our track record of bolt-on acquisitions to support growth, market penetration and new end market and geographic opportunities
- Highly experienced management team driving executional success

The Timken Company

Moving the World's Industries Forward

Chris Coughlin

Executive Vice President, Group President



Key Messages

Serving our markets: Timken industry segments

Driving our performance: The Timken Business Model

- Solving the world's toughest challenges
- Broadening our aftermarket mix
- Building scale in attractive growing market sectors
- Leveraging our digital capabilities
- Creating value through Operational Excellence



Creating Value in Mobile Industries

Timken business approach

- Target the most attractive applications
- Create deep customer relationships with key global OEMs
- Use application engineering and industry-leading, on-time delivery to differentiate
- Be selective; achieve growth with strong margins

Growth drivers

- Leverage expanded product offering in off-highway
- Electrification in automotive and heavy truck
- Global growth in rail, including passenger
- Next-generation aerospace platforms

Mobile Industries Segment



... And Process Industries

Timken business approach

- Win at the OE to drive the installed base
- Utilize strong global distribution network to secure lifetime of revenue from aftermarket
- Bias towards fragmented applications
- Focus on new and attractive growth markets with heavy PT content
- Higher growth: 9% CAGR since 2009; Process Industries now equal in size to Mobile

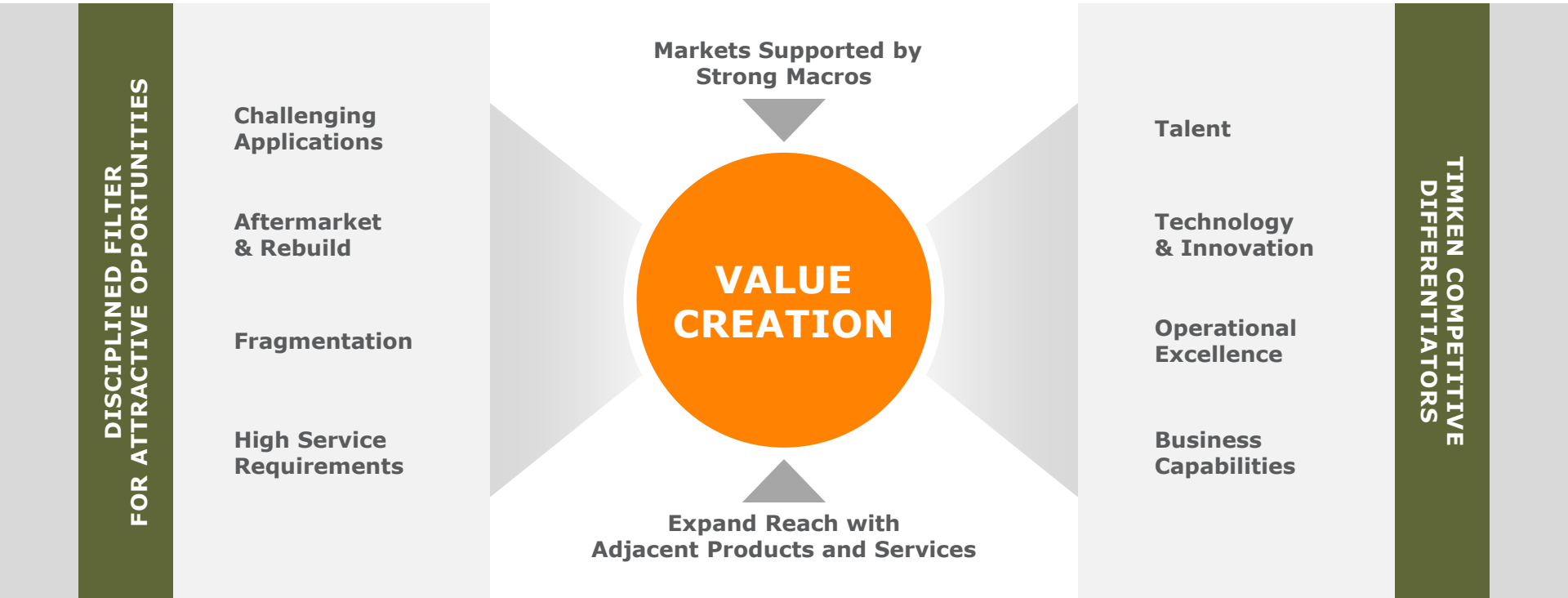
Growth drivers

- Meet increasing renewable energy demand
- Expanding offering through global distribution network
- Delivering a diverse set of products to establish more meaningful positions

Process Industries Segment



Our Differentiated Business Model Is Creating Value



The Timken Business Model Drives Our Performance

The Timken Business Model remains:

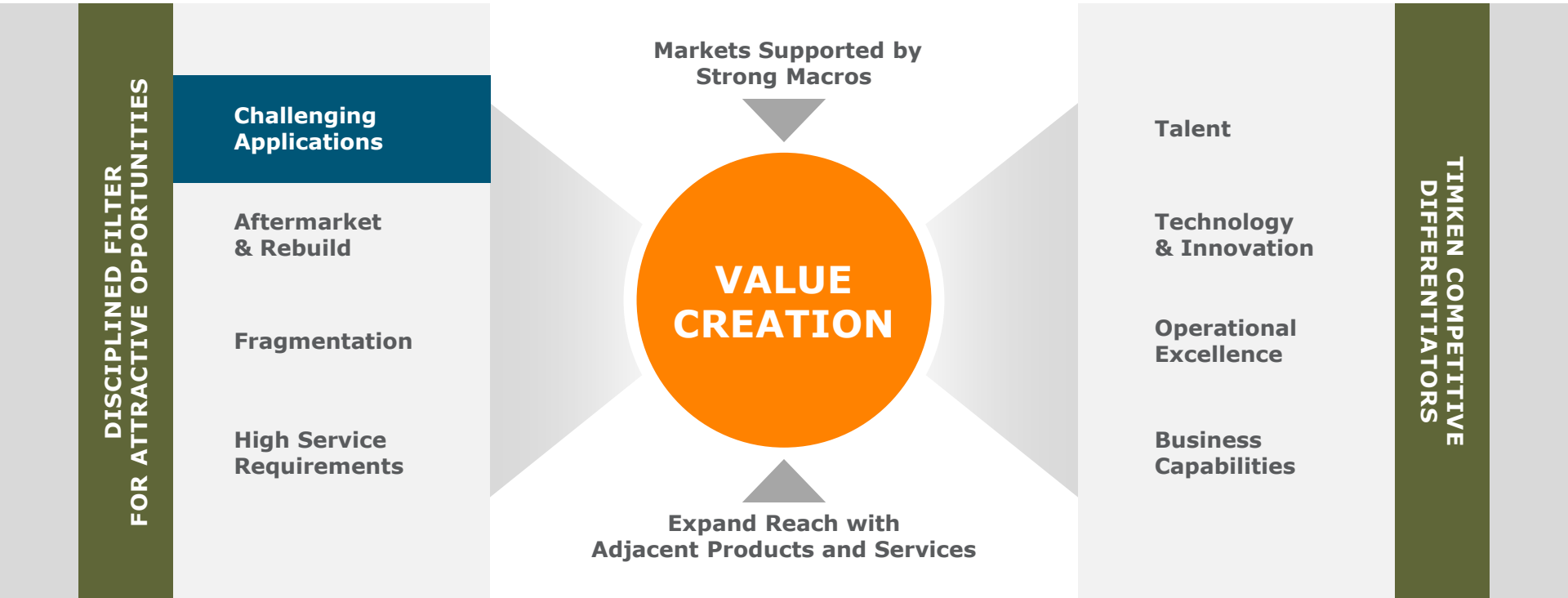
- Differentiated from bearing and power transmission competitors
- Consistent across Timken products and services
- Robust and scalable moving forward

The Timken Business Model delivers:

- Market outgrowth
- Defendable, long-term market positions
- Strong margins and returns



Our Differentiated Business Model Is Creating Value



Solving the World's Toughest Challenges

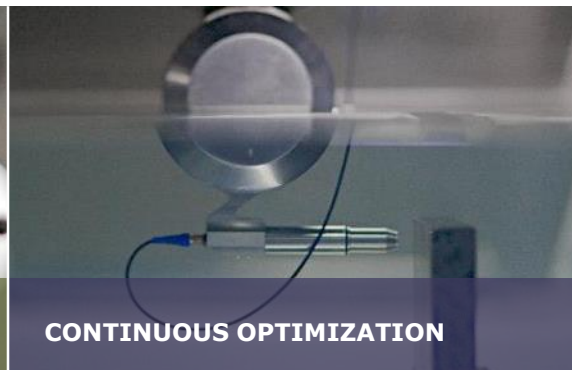
Customers value Timken in the design and launch phase of complex machinery platforms



- Use the 120 years of technical knowledge to develop highly engineered designs that optimize:
 - Risk
 - Technical performance
 - Cost

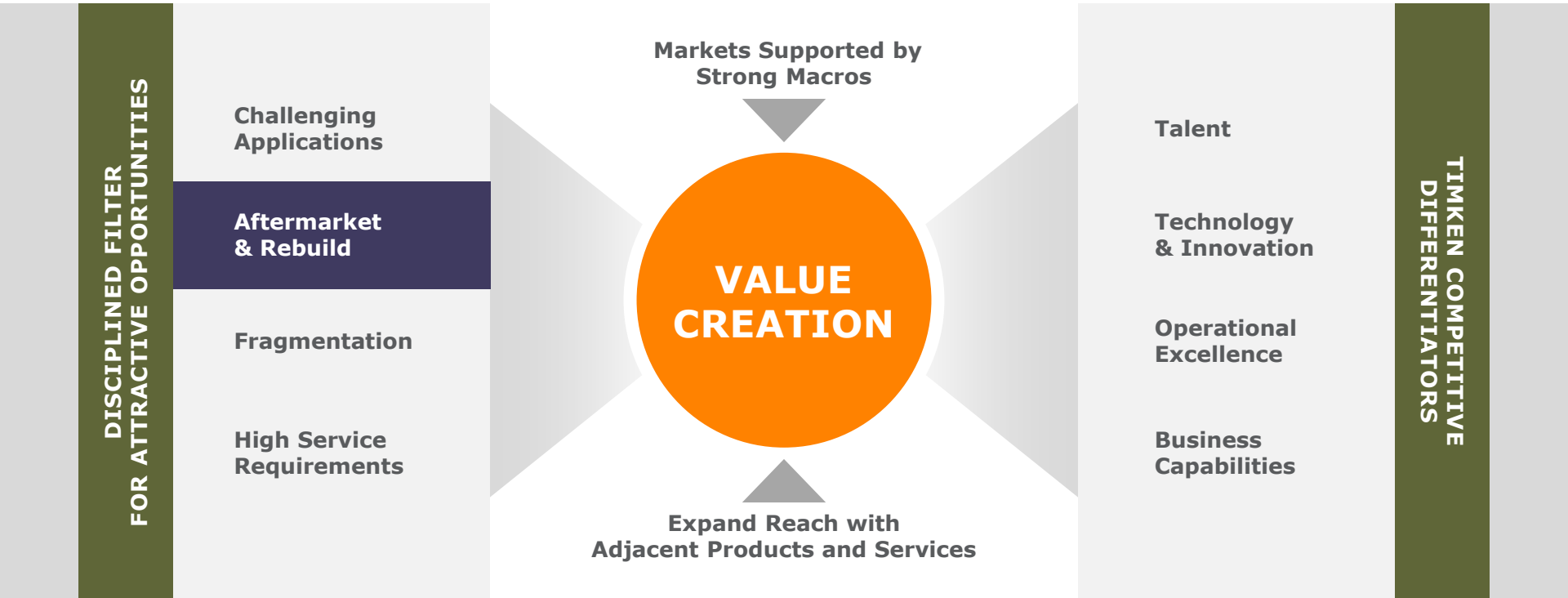


- Deliver quality, reliable engineered solutions that:
 - Arrive on time
 - Excel in the application
 - Minimize launch risk



- Continually refine technical design as application matures to:
 - Improve performance
 - Reduce cost
- Position Timken to participate in the long-term aftermarket

Our Differentiated Business Model Is Creating Value



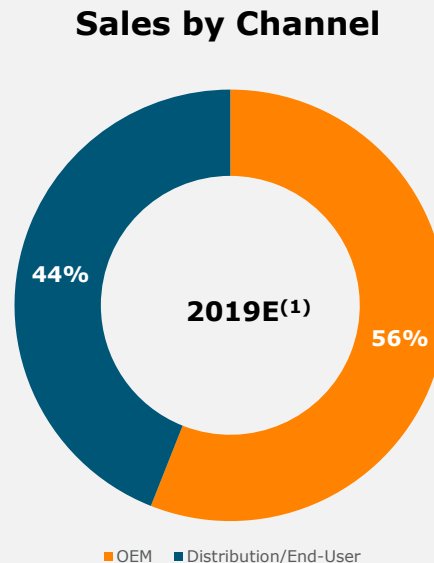
Winning Throughout the Application Lifecycle

Winning at the OEM

- Bias toward difficult applications that create long-term aftermarket opportunities
- Utilize technical knowledge to optimize performance, cost and durability of the application solution
- Utilize global footprint and integrated infrastructure to drive customer value in both cost and service

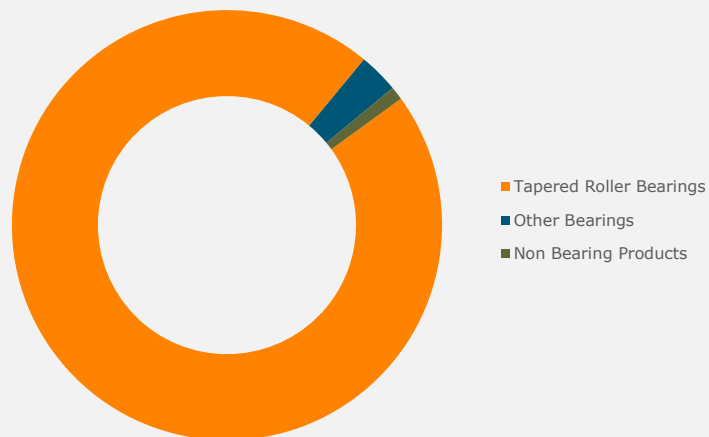
Winning in global distribution

- Extensive distribution network essential to serve the fragmented installed base
- Distributors value customer service excellence
 - Availability
 - Speed
 - Field technical support
- Global infrastructure and breadth of offering critical

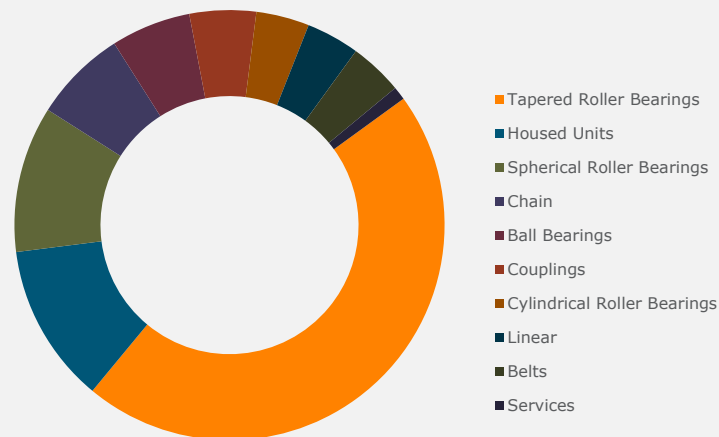


Global Distribution Product Diversification Continues

2001 Sales



2019E⁽¹⁾ Sales



(1) Estimated results for 2019 based on mid-point of guidance as of December 12, 2019.

Our Differentiated Business Model Is Creating Value



Expanding Industrial Market Opportunities

TIMKEN

MARKET SECTORS

LIGHT



MEDIUM



HEAVY



More Recent Focus

Historical Focus

- Consumer
- Medical
- Food and Beverage
- HVAC
- Material Handling
- Industrial Machinery
- Automation

- Printing/Packaging
- Rubber/Plastics
- Gearboxes
- Machine Tool
- Off-Highway
- Industrial Machinery
- Solar Energy

- Cement/Aggregate
- Forest Products
- Metals
- Oil/Gas
- Power Generation
- Rail
- Marine
- Wind Energy

Focus: Building Scale in Growing Market Sectors

- Timken is an established leader serving capital goods sectors
- Recent focus on higher-growth market sectors with strong margins and different cyclical profiles
- Align our resources and products towards the difficult, high-valued applications
- Increase our pace through both organic and inorganic growth
- Improving market mix over time; making Timken a stronger company



WIND



SOLAR



PRECISION



FOOD & BEVERAGE



AUTOMATION/ROBOTICS



AEROSPACE



PACKAGING



RAIL



MARINE

Our Differentiated Business Model Is Creating Value



Globally Integrated Technology Platforms

Integrated ERP system:

- Increases speed, visibility and accuracy of data to improve decision-making and efficiency
- Globally integrates engineering and pricing infrastructure
- Streamlines, standardizes and automates global business processes
- Value creation opportunity for acquisitions

Drive profitable growth and deliver – with speed – a differentiated customer experience via digital solutions.



Leveraging Digital to Drive Success

DIGITAL EXPERIENCE

ENHANCE EFFICIENCY

ERP Improve demand and supply planning to improve delivery, reliability and inventory efficiency

CRM Improve sales processes and pricing analytics to drive profitable growth

Product Management Improve new product introduction speed and engineering efficiency and effectiveness

WIN WITH CUSTOMERS

Digital Commerce Enhance capabilities with distributors and their end-user customers

Web & Social Reach individual customers, end users and distributors and aid in product selection & problem solving

Data Analysis Convert analysis into insights to deepen customer loyalty and drive growth



Robotic Process Automation (RPA)



Shop Floor Automation

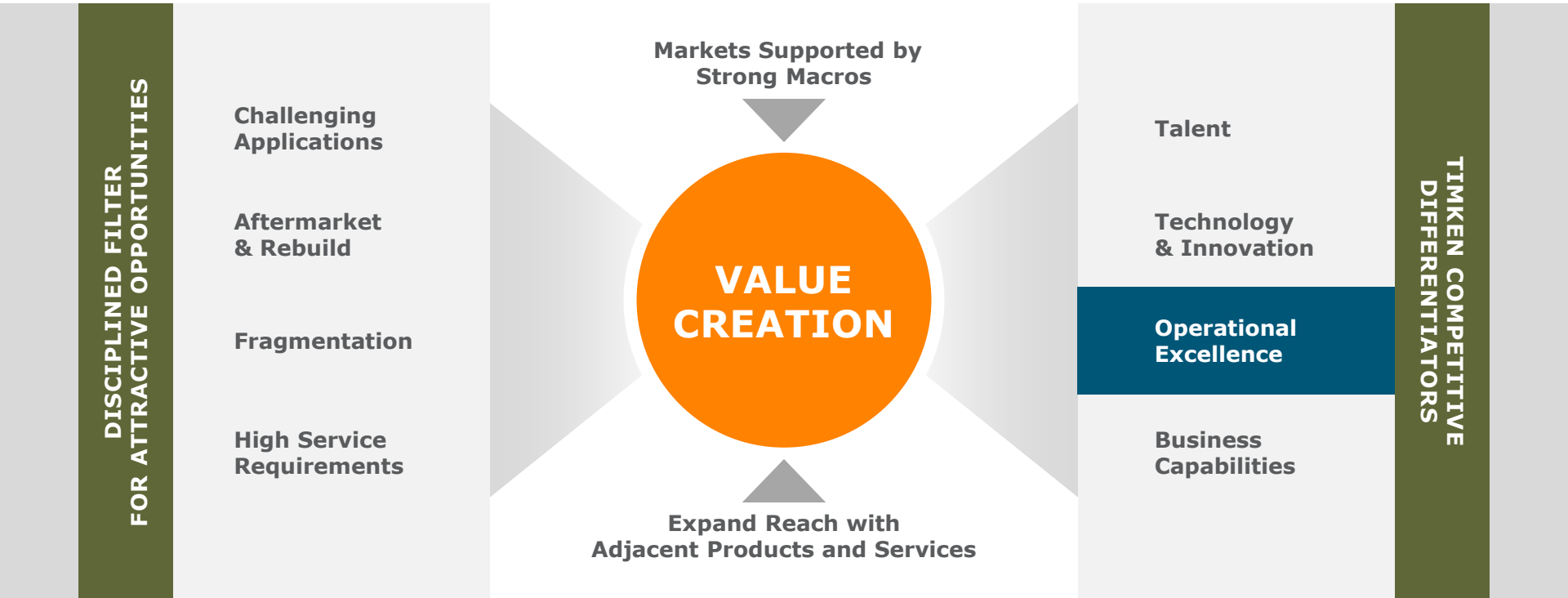


QR Codes



3D Printing

Our Differentiated Business Model Is Creating Value



Operational Excellence Framework



Strategic Footprint Bolsters Operational Excellence

Regional manufacturing hubs in Americas, Asia and Europe

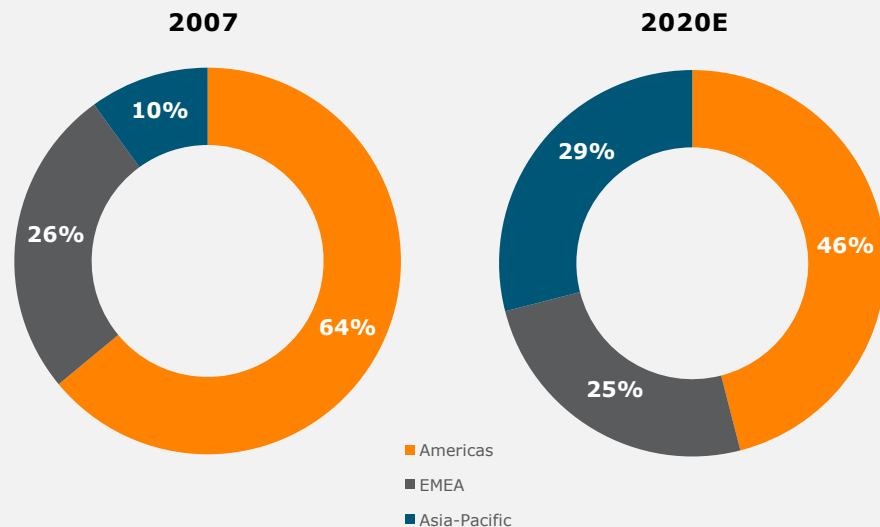
Expand capacity in low-cost geographies to support growth

Improve efficiency in high-cost locations

Implement state-of-the-art processes and technologies to reduce manual effort and improve efficiency

- Visual inspection systems
- Robotic manufacturing

Transforming Our Bearing Footprint⁽¹⁾



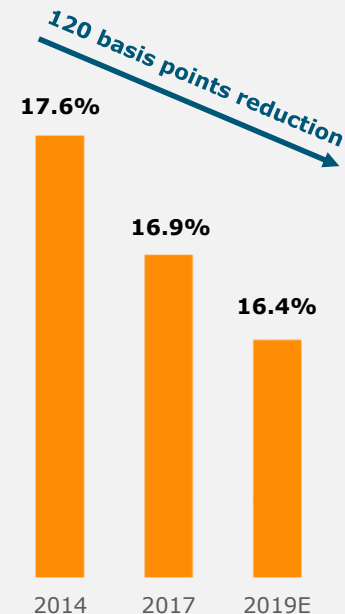
(1) Based on square feet of manufacturing floor space. 2020 figures are based on estimates as of December 12, 2019.

Driving Cost Efficiencies – SG&A


- Driving lean principles across the organization
- Leveraging best-cost locations
- Streamlining the organization
- Implementing tools and technologies to drive efficiencies
- Leveraging capabilities to reduce back-office SG&A at acquisitions



SG&A as % of Sales*



*SG&A as a percentage of sales excludes the impact of the change to mark-to-market accounting for pensions. Estimated results for 2019 based on mid-point of guidance as of December 12, 2019.



Timken participates in attractive markets with sustainable long-term profit opportunities.

Timken's business model differentiates us from the competition and is scalable across all products and services.

The Timken Business Model delivers:

- Defendable, long-term market positions
- Market outgrowth
- Strong, sustainable operating margins

The Timken Company

Growing a Global Diversified Portfolio: Continued Leadership in Engineered Bearings

Andreas Roellgen

Vice President, Europe, Asia and Africa



Key Messages

- Winning in diversified industrial markets with a focused strategy
- Expanding our portfolio to serve fragmented end-user needs
- Driving growth through technical innovation
- Maximizing a lifetime of revenue in distribution to drive margin performance
- Growing a pipeline of opportunities in attractive markets
- Capturing global growth opportunities



Engineered Bearings Product Strategy

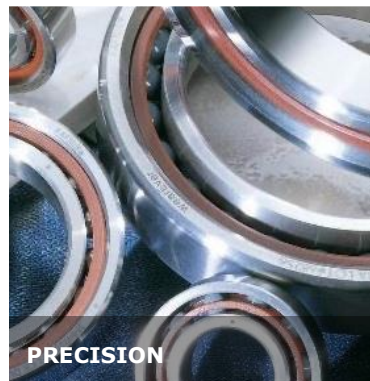
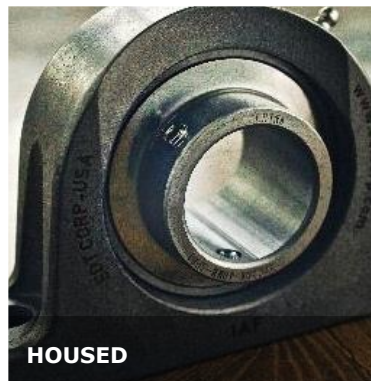
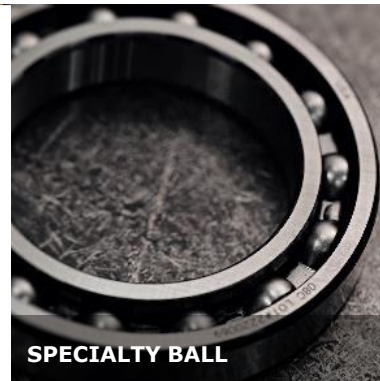
Be THE world leader in engineered bearing solutions, focusing on diversified industrial markets

- Engineer the optimal bearing for our customers' applications
- Deliver customer-centric expertise from original design through the full lifecycle of the equipment
- Offer a complete range of bearings, enabling customers and distributors to source all their bearing needs from Timken
- Structure our manufacturing footprint and supply chains to deliver industry-leading service
- Leverage our global distribution network to ensure product availability where and when our customers need it



Full Portfolio of Engineered Bearings

Offering a comprehensive range of bearing sizes, rolling elements and proprietary designs vital to a wide array of customer applications



Leading With Our Technical Strength

Technology-driven innovation:

- Over a century of experience designing customer solutions
 - Expert application modeling and analysis tools
 - Proven design algorithms based on field performance experience
 - Material systems designed for optimized performance
 - Proprietary manufacturing technologies and surface treatments
 - Advanced, integrated quality systems
 - Extensive technical field presence with sales and service engineers
- **The Timken® brand = 120 years of accumulated strength**

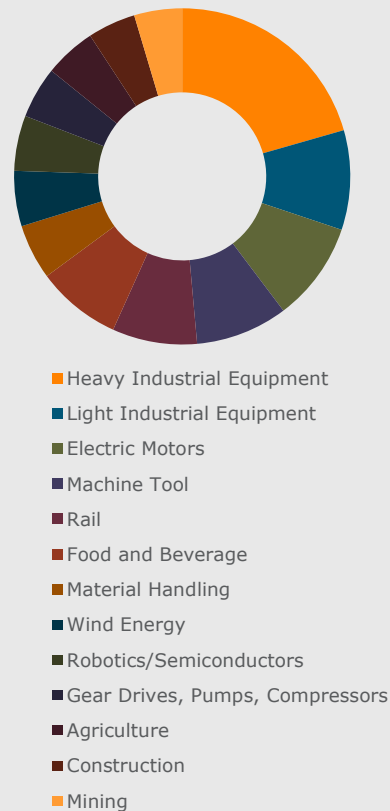


Targeting the Most Attractive Opportunities

Key Characteristics	Selective niche opportunities	Full portfolio, broad application set
Equipment Operating Lifecycles	Short	Long, 20-30+ years
Bearing Product Requirements	Standard	Custom-engineered
Volume	High	Medium to Low
Service and Support	Low	High
Ease of Substitution	Easy	Difficult
Aftermarket Channel	Concentrated, OE-owned	Fragmented
Barrier to Entry	Low	High

Market/Application Attractiveness

Industrial Bearing Space:
~\$30B Market⁽¹⁾



(1) Represents estimated premium industrial bearing space; excludes premium on-highway bearings and other non-premium bearings.

Targeting Attractive Market Sectors

OFF-HIGHWAY



FREIGHT RAIL



HEAVY INDUSTRIES



HEAVY TRUCK



GENERAL INDUSTRIAL



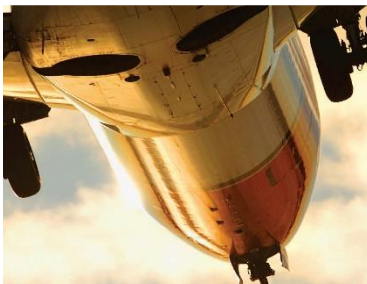
WIND ENERGY



FOOD & BEVERAGE



AEROSPACE



PASSENGER RAIL



PRECISION



Case Study – Where We Win

Innovating in Wind Energy

Background

- Timken has become a technology leader in the wind industry
- Continued need for optimizing reliability, cost and performance with ability to shorten transport distances

Solution: Invest in strategic areas to grow exposure in attractive wind markets

- Grow partnerships with leading OEMs and operators
- Ongoing organic capital investments in core bearings business to strengthen Timken as a local supplier
- Acquired lubrication systems (BEKA), couplings (PT Tech, Lovejoy) and other product lines to serve wind
- Applying the Timken Business Model, engineering expertise and manufacturing technology to partner with a large OEM to produce the world's largest wind turbine

Results

- Delivered significant growth and well-positioned for growing wind energy demand
- 2019E⁽¹⁾ sales approaching \$200M; ~18% CAGR from 2010 with strong growth expected in the future

(1) Estimated results for 2019 based on mid-point of guidance as of December 12, 2019.



Case Study – Why We Win

Leading in Housed Units

Background

- Fragmented market sector with few industry players offering complete portfolio of housed units
- Customers in the cement/aggregate, food & beverage and other process industries have unique product needs

Solution: Invest in expanding our existing portfolio to become a full-service product provider of industrial housed units

- Timken has built the broadest product range in the industry
 - Torrington acquisition in 2003 (Fafnir brand) established our position in housed units
 - Later developed several new products organically, and made 3 additional acquisitions (QM, Revolver, EDT) to broaden the product portfolio

Results

- Housed unit revenues have grown from \$0 in 2002 to over \$150M in 2019⁽¹⁾
- Heavy aftermarket content with higher margins

(1) Estimated results for 2019 based on mid-point of guidance as of December 12, 2019.



Delivering Global Growth, Capturing Local Opportunities



LEVERAGING GLOBAL COMPETENCIES

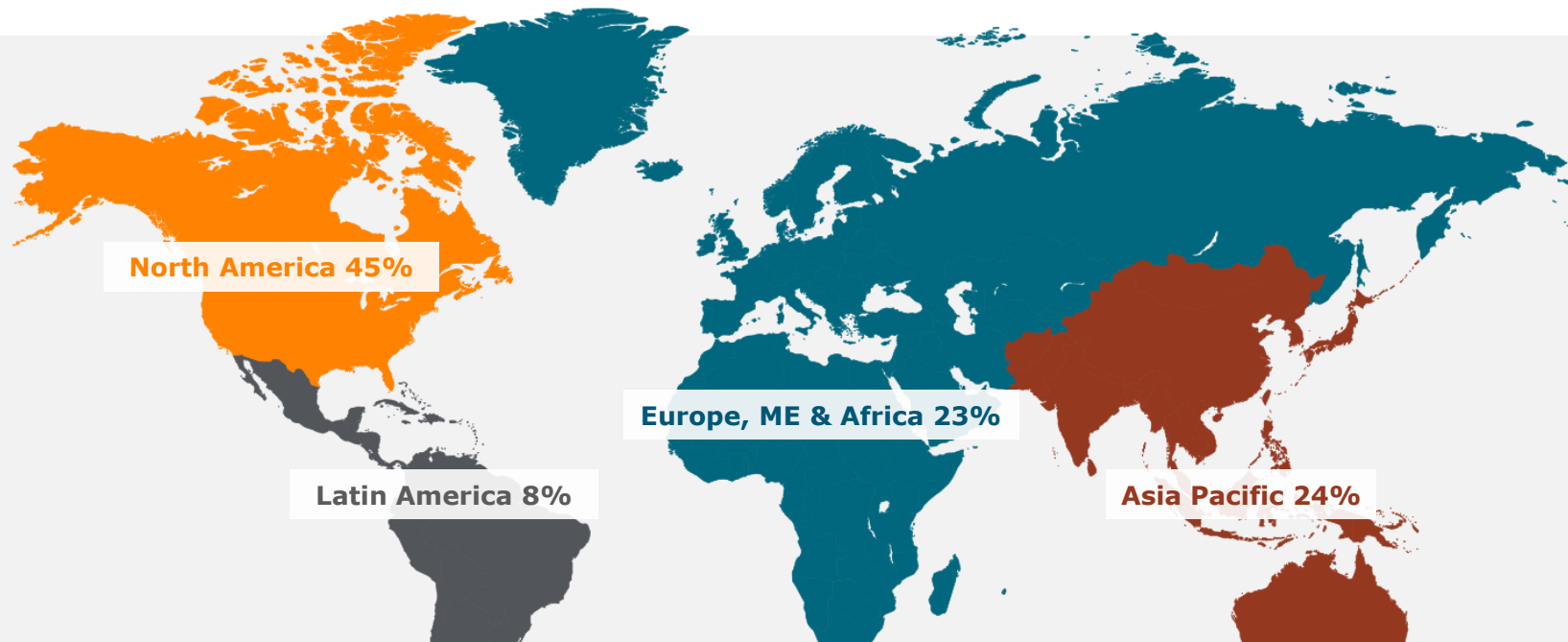
- Consistent values and business model
- Global engineering know-how and technology
- Product platforms
- Key accounts expanding globally
- Operational Excellence



CAPTURING LOCAL OPPORTUNITIES

- Local management teams
- Sales and engineering adapted to local culture
- Application-specific solutions
- Committed to distribution to serve fragmented end users
- Local sourcing and flexible supply chains

Expanding Our Global Reach



Expected 2019 Bearing Sales Split by Region⁽¹⁾

(1) Estimated results for 2019 based on mid-point of guidance as of December 12, 2019.

Case Study – Where We Win

Capturing Growth in Asia

Opportunity

- By 2025, almost two thirds of world population will live in Asia
- 2.5B Asians are expected to live in cities as urbanization continues
- Over 90% of population growth is expected to be outside developed countries
- Massive infrastructure development; huge demand for clean energy, steel, cement, mining, construction, mobility, logistics, packaged food

Timken Solution

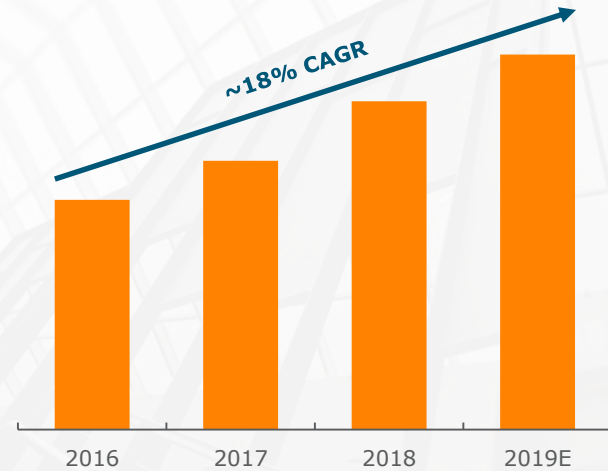
- Leverage global competences through strong local management to capture opportunities in fast-growing markets of heavy industry, energy, rail, off-highway
- Expanded manufacturing footprint with local sourcing
- Record number of new product introductions
- Appointed authorized distributors to grow in MRO

Results

- Asia-Pacific bearing sales ~18% CAGR since 2016

(1) Estimated results for 2019 based on mid-point of guidance as of December 12, 2019.

Timken Bearing Sales Growth



Case Study – How We Win

Growing with Metric Bearings

Opportunity

- Historically strong in inch dimension bearings
- Over half of the world bearing market is metric-based
- Opportunity to leverage our position to expand in Europe and Asia with metric bearings
- Asia is the fastest growing bearing market globally

Timken Solution

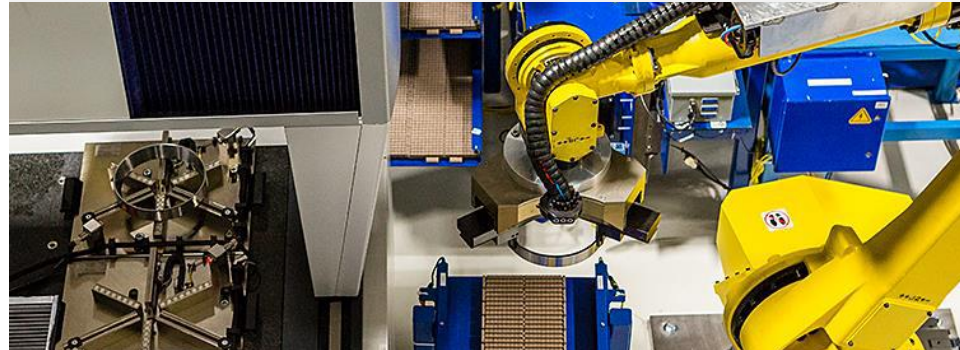
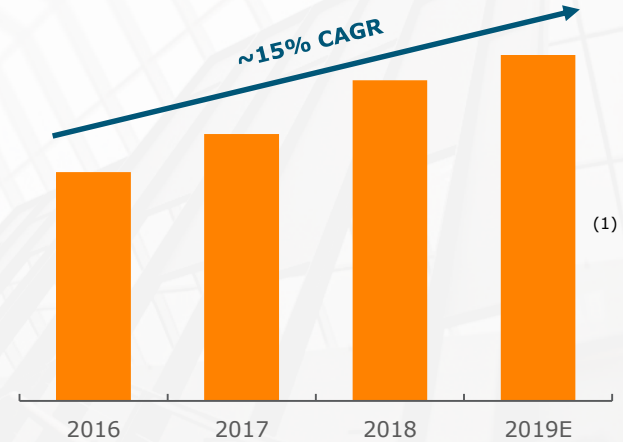
- Expanded our product range with metric bearings of all relevant sizes, forms and features
- Invested in best-cost manufacturing footprint with latest technology in central/eastern Europe and Asia
- Leveraged newly-implemented corporate CRM system to capture growth opportunities

Results

- Won record number of new customers
- Gained share in targeted industrial markets
- ~15% CAGR in metric bearings since 2016 with strong growth expected in the future

(1) Estimated results for 2019 based on mid-point of guidance as of December 12, 2019.

Timken Sales Growth





Bearings Are Vital to the World's Machinery & Equipment

- Timken has been successfully advancing and differentiating its operating model for 120 years
- Latest technology trends provide more opportunities for new/advanced designs, aligning with our key strengths
- Ample opportunities to further differentiate our products and profitably grow in fragmented industrial markets
- A massive installed base of product in equipment operating around the world provides a constant stream of profitable aftermarket opportunities
- In a world of changing technology, bearings will remain a vital component to the world's equipment and vehicles

The Timken Company

Growing a Global Diversified Portfolio: Expanded Offering with Power Transmission

Hans Landin

Group Vice President



Key Messages

- Power transmission portfolio delivering value creation
- Highly complementary to bearing portfolio
- Product diversification enables us to serve customers more fully
- Creating a stronger distribution channel
- M&A strengthens our portfolio, reduces cyclicalities
- Key element of our outgrowth strategy



Delivering a Diversified Product Portfolio

BEARINGS



LINEAR MOTION



LUBRICATION SYSTEMS



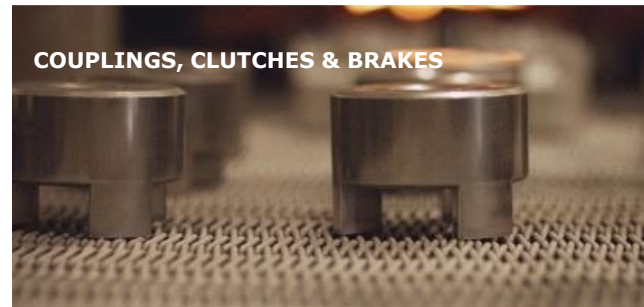
DRIVES & GEARS



BELTS & CHAIN



COUPLINGS, CLUTCHES & BRAKES



TIMKEN

ROLLON

PHILADELPHIA
GEAR

DIAMOND

Cone Drive

DRIVES

GROENEVELD

Lovejoy

BEKA

PTTECH

The Potential Within Power Transmission

Power transmission is an attractive space

- Engineered product with high-aftermarket content
- Complementary to Timken's core bearing portfolio
- Increases penetration in higher-growth end markets with strong profit pools and different cyclical profiles
- Consolidating a historically fragmented industry through strategic M&A

Strong opportunities for growth

- Packaging the bearing and PT offering together
- Strengthening our aftermarket portfolio and adding value through our distributors
- Building scale and reach to drive revenue growth
- Developing a strong position in North America while expanding into Europe and Asia

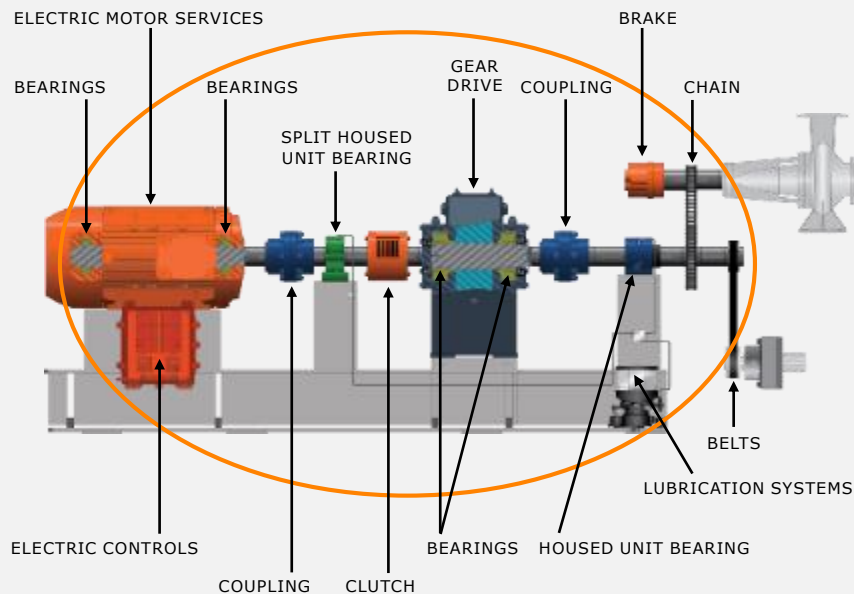
Total PT Sales*



PT Products and Services Align with Timken Business Model

- Engineered components
- Critical wear parts with regular aftermarket demand
- Often served through same aftermarket channels
- Close proximity to bearing positions - targets same end users
- Requires similar engineering expertise - friction, motion and materials
- Fragmented industry with healthy profit pools

- **Customer and channel relevance**



DRIVEN EQUIPMENT: PUMPS/COMPRESSORS, FANS, CONVEYORS, GENERATORS, MILLS

PT Strengthens Our Position in Distribution

Customer accessibility

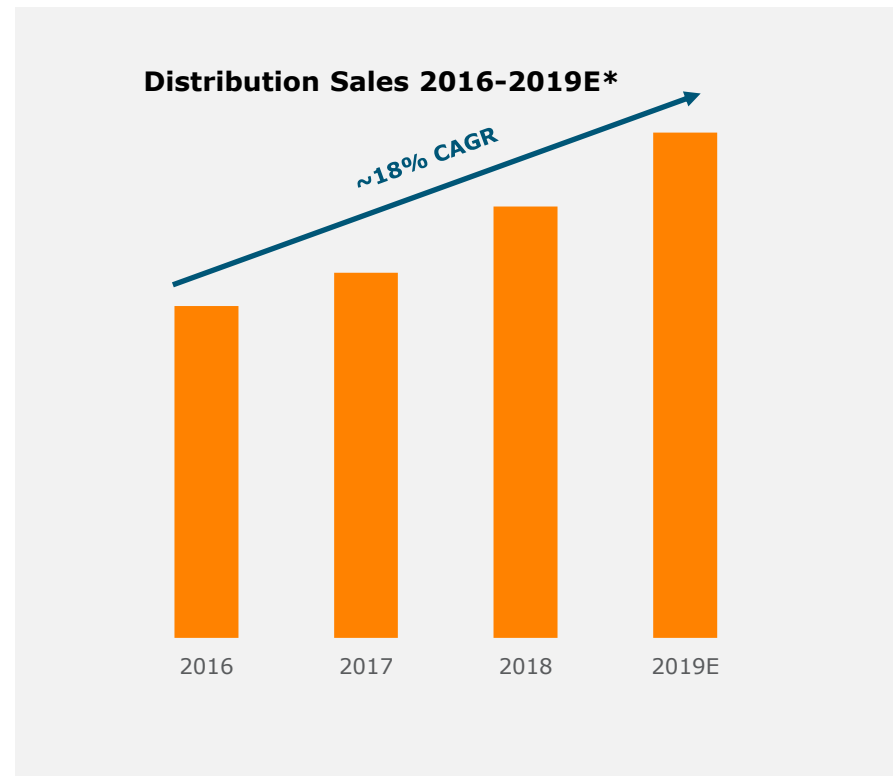
- Serve a wider geographical customer base
- Improve product/service availability to customers
- Increase technical support for fragmented applications

Breadth of offering

- Distribution channels are scaling and consolidating
- Additional points of sale for new and existing customers
- Larger offering helps with fragmentation

Global coverage and leverage of capabilities

- Eliminate coverage gaps in emerging markets
- Leverage current relationships to find/build distributors
- Leverage Timken capabilities and investments



Case Study – Where We Win

Leveraging Distribution

Background

- Timken Belt business historically heavily weighted towards OEM customers with limited aftermarket presence

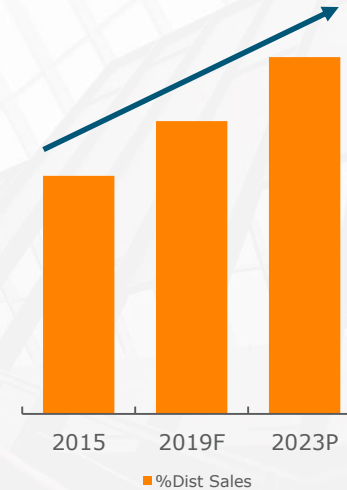
Solution: Create world-class distribution model by developing key distributors and growing our aftermarket share

- Integrating belt and bearing sales enables Timken to maximize coverage and support for customers
- Quality product that is engineered to perform equal to or better than the best competitors

Results

- Leveraging the relationships built from our strong bearings business and creating significant value for our customers
- Growing revenue and margin accretion from shift toward aftermarket in belts
- Further extending Timken's brand to our customers

Belts Distribution Business



PT Accelerating Market Sector Expansion

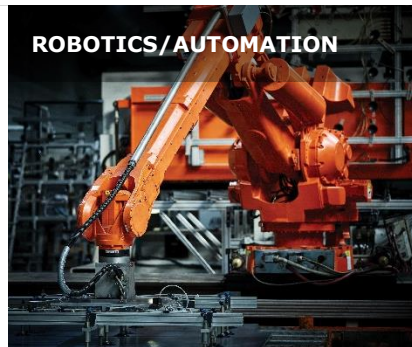
FOOD/BEVERAGE



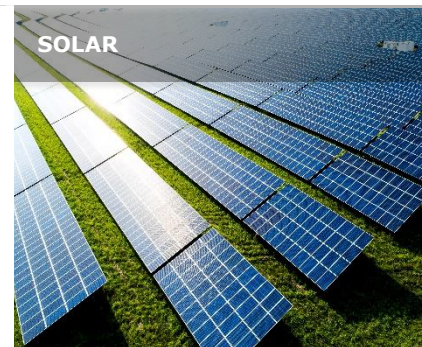
PACKAGING/LOGISTICS



ROBOTICS/AUTOMATION



SOLAR



Power Transmission Diversification and Entry Into New Markets

AGRICULTURE



POWER SPORTS



HVAC



Case Study – Where We Win

Entering Solar Market Sector

Background

- Solar market sector is growing and supported by strong macros
- High requirements for reliability in remote locations
- Requires ability to deliver high-precision panel positioning requirements to both PV and CSP applications

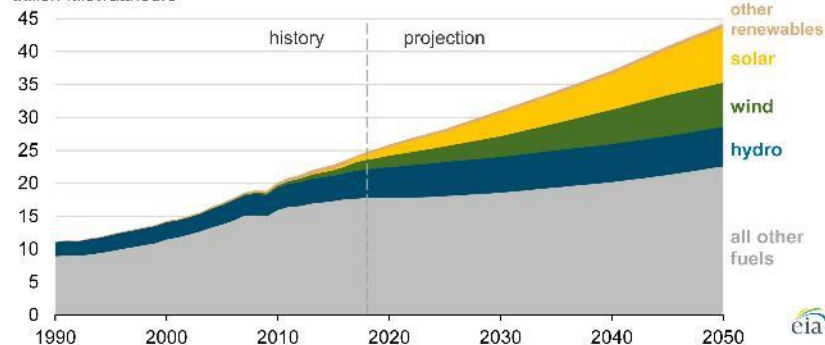
Solution: Grow market penetration through M&A

- Timken acquisition of Cone Drive provides access to new solar energy market sector
 - Cone Drive's precision technology is a best-in-class solution
- Meeting growing demand by expanding manufacturing, engineering and testing capabilities in U.S. and China

Results

- Double-digit growth in solar tracker units
- Early entrant establishing reputation as a trusted partner for world's largest OEM customers for application expertise
- Strong market sector position creates broader opportunities

World net electricity generation, IEO2019 Reference case (1990-2050)
trillion kilowatthours



Two-Pronged PT Strategy

Drive organic growth in existing products

- Accelerate product vitality and innovation
- Geographic and market expansion
- Leverage Timken's distribution channel and global relationships
- Capture cost and cross-selling synergies and continue to expand margins

Continue to pursue attractive M&A

- Build on existing product positions to strengthen leadership position
- Selectively add new product categories to the portfolio
- In all cases, deploy our proven M&A playbook



M&A: How We Add Value

Key: Acquire Good Businesses and Make Them Better



Synergy Opportunities



Operational Efficiencies

- Apply Timken Business Model
- Drive savings in manufacturing, purchasing and logistics
- Leverage Timken talent and IT infrastructure
- Absorb and streamline back office activities to reduce SG&A expenses



PT Growth

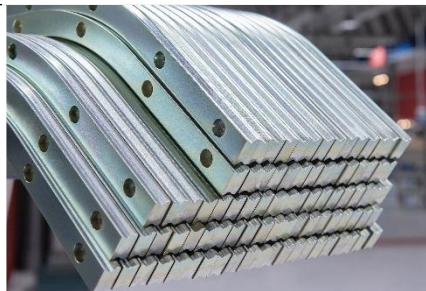
- Accelerate product innovation/vitality
- Bundle products to increase customer relevance
- Invest for growth in attractive geographies and markets
- Strengthen distribution presence

Power Transmission Acquisitions Strengthen Position and Drive Growth

Recent Acquisitions Enhancing the Company's Performance



- Acquired in 2017
- ~\$115M 2019 forecasted revenue
- >20% adj. EBITDA margin
- Key synergies: global expansion with focus on U.S.; purchasing and logistics savings

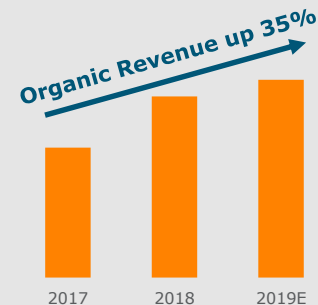


- Acquired in 2018
- ~\$135M 2019 forecasted revenue
- >30% adj. EBITDA margin
- Key synergies: distribution growth; global sales coverage; purchasing and logistics savings



- Acquired in 2018
- ~\$150M 2019 forecasted revenue
- >20% adj. EBITDA margin
- Key synergies: distribution growth and geographic expansion

Groeneveld + Rollon + Cone*



- Organic revenue growth of 35% from 2017 to 2019
- Expanded consolidated adj. EBITDA margins by 60 bps in 2019
- Growth and synergies have bought down net acquisition multiple by over 3 turns

A close-up photograph of several interlocking brass gears. The gears are highly polished, reflecting light, and their teeth are clearly visible. The background is blurred, showing more of the same mechanical components.

PT: What's Next?

- Continue to strengthen product offering
- Ensure successful acquisition integrations, deliver synergy cases
- Expand geographically
- Increase presence in distribution channel
- Identify and capture cross-selling opportunities
- Rationalize back-office functions to drive margins

Power transmission remains a key element of our outgrowth strategy

The Timken Company

A Strong Investment with Enduring Value

Phil Fracassa

Executive Vice President and Chief Financial Officer



Key Messages

Timken is a strong investment with enduring value

We have delivered next-level performance

- Strong performance over the cycle
- Expect record adj. EPS in 2019 with strong cash flow and adj. ROIC
- Exceeding our targets from 2017

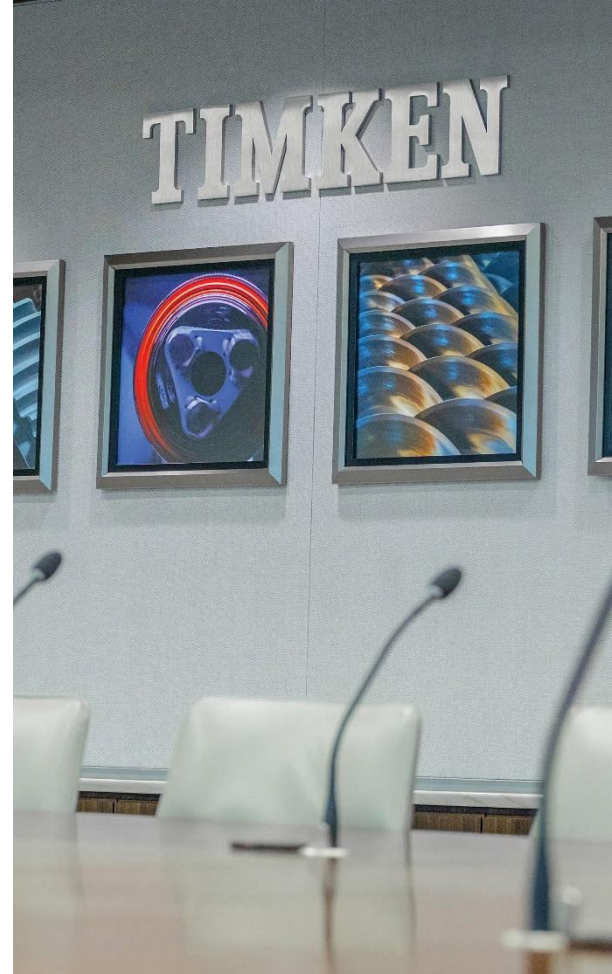
Our balanced approach to capital deployment creates value

We expect to demonstrate the earnings power of the Company with strong performance again in 2020

Our new long-term targets reflect how we are advancing as a global industrial leader

We expect to perform even better over the next cycles

- Higher peaks and higher troughs with improved overall performance



Full Year 2019 Affirmed Outlook

(Charts reflect mid-point of guidance)

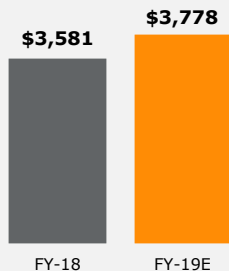
Still expect sales to be up 5-6% in FY-2019 versus FY-2018

- Reflects the benefit of acquisitions (~+7.5%), offset partially by negative currency translation (~-2%); organic revenue roughly flat for the year

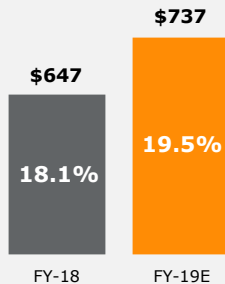
Adjusted EBITDA margin of ~19.5%, up 140 bps from FY-2018

Record adjusted EPS of \$4.70-\$4.75 per share, up 13% at expected mid-point from FY-2018

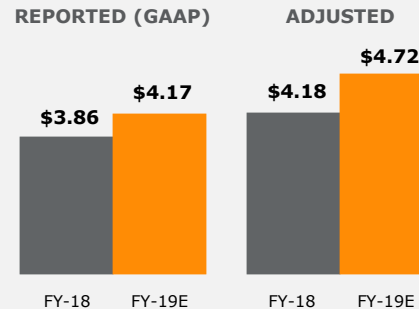
Net Sales (\$M)



Adjusted EBITDA (\$M)

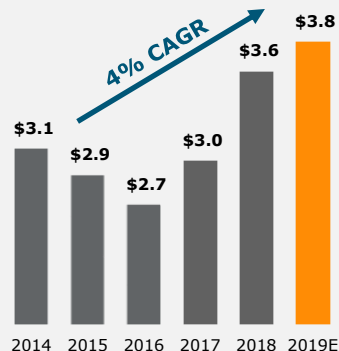


Earnings Per Share



Next-Level Financial Performance Delivered

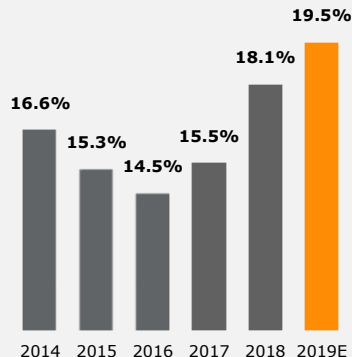
Revenue (\$B)



5-Year sales CAGR of 4%

- Modest organic growth
- Acquisitions contributing meaningfully
- Currency translation negative

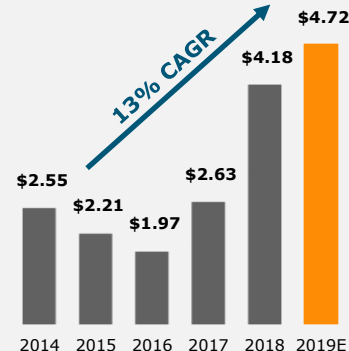
Adj. EBITDA Margin*



Adj. EBITDA margins approaching 20%

Growth, price/mix, acquisitions, operational excellence and pension de-risking delivering next-level results

Adj. EPS*

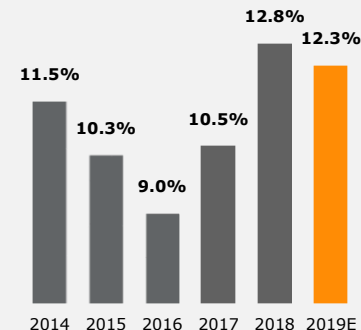


5-Year adj. EPS CAGR of 13%

Record adj. EPS of \$4.70 to \$4.75 in 2019

Demonstrates the new earnings power of the Company

Adj. ROIC*



Strong adj. ROIC over the cycle

Adj. ROIC at or above the cost of capital in all periods

* Amounts shown for 2014-2016 are before the adoption of mark-to-market accounting for pension/OPEB. EPS CAGR calculated based on 2014 adjusted EPS as originally reported (before adoption of mark-to-market accounting for pension/OPEB). See appendix for reconciliations, both before and after the adoption of mark-to-market accounting for pension/OPEB, of adjusted EBITDA margins, adjusted EPS and adjusted return on invested capital ("ROIC") to their most directly comparable GAAP financial measures. ROIC is defined as adjusted net operating profit after taxes ("ANOPAT") divided by average invested capital. Amounts for 2019E represent the mid-point of the Company's outlook as of December 12, 2019.

Cash Flow and Balance Sheet

2019 represents step change in free cash flow

Expect strong cash flow going forward

- Over 100% conversion of net income through the cycle
- Improved working capital performance
- Free cash flow metric included in our annual incentive compensation plans

Net debt/adj. EBITDA target range of 1.5-2.5x

- Maintain low/mid BBB investment grade credit rating (target 2.0-3.0x "rating agency" debt-to-EBITDA)

Balance Sheet (as of: 12/31/19E)*

Capital Structure (\$M)

Cash	\$200
Debt	1,747
Net Debt	1,547
Equity	1,870
Net Capital	\$3,417

Leverage

Net Debt/Capital	45%
Net Debt/Adj. EBITDA	2.1x

Free Cash Flow (\$M)*



*2016 includes \$39 million in after-tax income received under CDSOA.

Amounts for 2019E represent the mid-point of the Company's outlook as of December 12, 2019.

See appendix for reconciliations of net debt, net debt/capital, net debt/adjusted EBITDA and free cash flow to their most directly comparable GAAP financial measures. Free cash flow is defined as net cash provided by operating activities minus capital expenditures. FCF conversion is defined as free cash flow divided by adjusted net income.

Disciplined Capital Deployment Framework a Differentiator

INVEST IN CORE BUSINESS

Organic Growth, Margin Improvement, R&D
CapEx Target: 3.5-4.0% of Sales

DIVIDEND

Pay Attractive Dividend⁽¹⁾
Target: 20-35% Payout Ratio Over Cycle

INORGANIC GROWTH

Target Accretive Transactions
to Drive Portfolio Expansion

SHARE REPURCHASE

Return Capital to Shareholders
Through Stock Buybacks

Leverage Target: 1.5X - 2.5X NET DEBT-TO-ADJ. EBITDA

(1) Subject to Board approval on a quarterly basis.

Capital Deployment is Focused on Highest Returns

Balanced approach to capital deployment having a significant impact

Allocated nearly \$3.5B of capital over the past five years; all four elements represented:

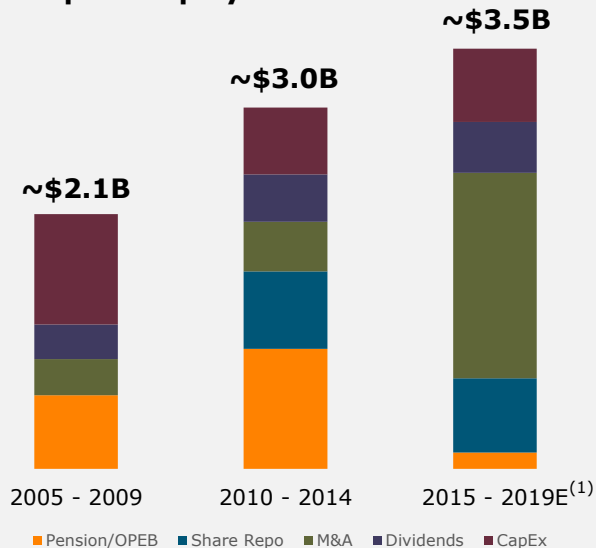
- ~\$610M in CapEx
- ~\$420M in dividends
- ~\$1,710M in acquisitions
- ~\$620M in share buybacks

Pensions require much less cash versus prior periods

Strong balance sheet and cash flow allow for further deployment to create value

Expect balanced approach to continue, with a bias towards growth initiatives/M&A

Capital Deployment



NOTE: All periods are excluding the company's steel business which was spun off on June 30, 2014. Prior to 2012 assumes pension/OPEB split of 65% bearing/35% steel.

Investing in Core Business Remains Top Priority

Investing in core business remains top priority for capital deployment

- Supporting organic growth and margin expansion in the core business
- Generally produces the highest risk-adjusted returns

Includes investments in CapEx, R&D, etc.

CapEx – target 3½ to 4% of sales over the cycle

- Includes maintenance (~1% of sales)
- Bulk of spend allocated to organic growth and productivity/margin improvement initiatives
 - New capacity/capabilities – focused on lower-cost countries
 - Investments in productivity/automation – focused on higher-cost countries
 - Operational excellence initiatives across the footprint



Rich History of Attractive and Growing Dividend

Goal: Pay an attractive dividend that grows over time with earnings

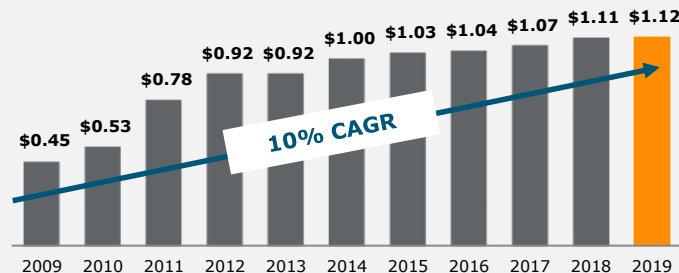
- Target 20-35% payout (adj. EPS) over the cycle

2019: Expected to be 6th consecutive year of annual dividend increases⁽¹⁾

- Paid 390th consecutive quarterly dividend in December 2019
 - One of the longest active streaks on NYSE
 - Current dividend yield is attractive compared to benchmarks
- 2019 annual dividend payout (\$1.12) expected to be roughly 24% of adjusted EPS for the year

Commitment to dividend will continue⁽¹⁾

Annual Dividend Payout



Dividend Yield (as of: 11/30/19)

The Timken Company	2.1%
Peer Median ⁽²⁾	1.3%
S&P 500	1.9%
S&P Mid-Cap 400 Industrials	1.1%

⁽¹⁾ Subject to Board approval on a quarterly basis.

⁽²⁾ Peers represent composite of 18-company group consisting primarily of S&P 400 Mid-Cap Industrials

Returning Capital Through Share Repurchases

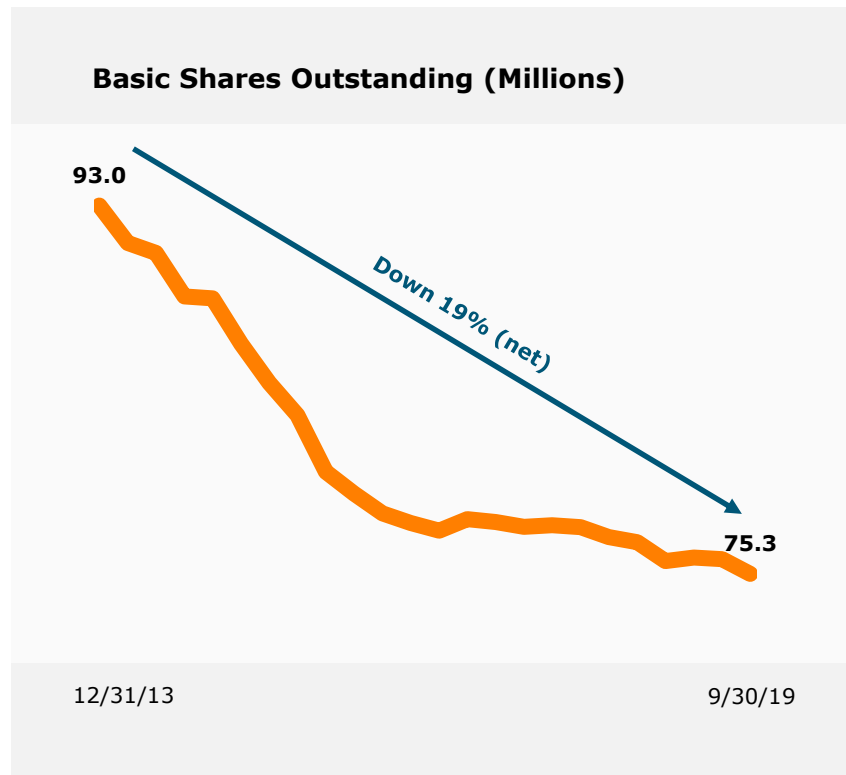
Share repurchase an important component of capital deployment strategy

Since 2013:

- Repurchased 21.4M shares for \$880M (avg. ~\$41/share)
 - Basic shares outstanding have been reduced by ~19% since December 31, 2013; this is net of shares issued for stock compensation

Current share repurchase authorization:

- 10 million shares authorized for repurchase through February 2021
- ~5.5 million shares remaining as of 9/30/19



Broadening Our Offering Through Acquisitions



2010

Spherical roller bearing steel housed unit bearings, elastomeric and steel couplings



2011

Industrial gear drive and repair services



2011

Chain and augers



2012

Electric motor repair, related services and up-tower wind maintenance and repair



2013

Lubrication systems



2013

Electric motor repair and services



2013

Industrial gear drive and repair services



2014

Electric motor repair and services



2014

Split roller housed unit bearings



2015

Industrial and commercial belts



2016

Industrial couplings and universal joints



2016

Polymer housed unit bearings and stainless steel ball bearings



2017

Spring couplings



2017

Industrial clutches and brakes



2017

Lubrication systems



2018

Tapered, cylindrical and spherical roller bearings and slewing rings



2018

Precision motion control technology



2018

Linear motion



2019

Roller chain



2019

Lubrication systems

2020 Preliminary Outlook

Current 2020 Outlook (Dec. 12, 2019)

Net Sales

\$3.70B-\$3.85B

Adjusted EPS

\$4.40 to \$4.80

Free Cash Flow

>\$400M*

Current Outlook: Full Year 2020 vs. 2019

Net sales -2% to +2% (roughly flat at mid-point)

~-2%
Organic

~+3%
Acquisitions

~-1%
Currency

Components (at mid-point)

Organic sales roughly flat to down 4% for the year

Adj. EPS down 3% at the mid-point

- Adj. tax rate similar to 2019 (26.5-27.0%)

Strong free cash flow of over \$400M

* At mid-point of guidance

Organic Growth Outlook – FY 2020 By Market/Sector

(Market/Sector Placement Reflects Mid-Point of Guidance)

NEGATIVE (down HSD+)	----- (down MSD)	NEUTRAL (flat to +/- LSD)	----- (up MSD)	POSITIVE (up HSD+)
Heavy Truck	Automotive	General Industrial	Aerospace	Wind/Solar
Off-Highway		Heavy Industries	Industrial Services	
Ind. Distribution				
		Marine		
Rail				

Expect revenue to be flat to down 4% organically in 2020 (down 2% at mid-point)

- Wind/Solar, Aero and Services expected to grow
- Heavy Truck, Off-Highway and Auto expected to decline

■ Process Industries ■ Mobile Industries

LSD = low-single digit percentage change
MSD = mid-single digit percentage change
HSD = high-single digit percentage change

Long-Term Financial Plan

Long-term (5-Year) Targets

Strong Top-line Growth

- Positive macros support market growth of 2-3% over cycle
- Organic outgrowth driven by new products and markets
- Accretive acquisitions will enhance growth

Organic Growth CAGR: 3-4%
Inorganic Growth CAGR: 2-3%
Total Growth CAGR: ~6%

Earnings Growth

- Operational Excellence delivers strong EBITDA margins
- Strong EPS growth over the cycle
- Share buyback will contribute

EPS CAGR: 10%
EBITDA Margins: 20%

Robust Cash Generation

- Expect strong cash flow to continue
- Improved working capital performance
- Supports capital deployment strategy

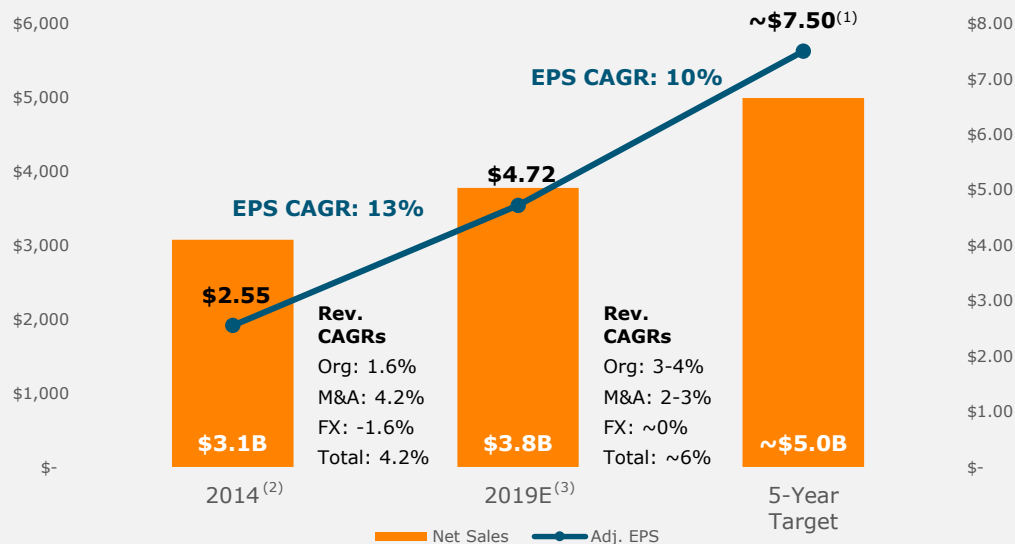
Free Cash Flow: >100% Conversion on Net Income

Value-creating Capital Deployment

- Organic growth remains top priority with greatest returns
- M&A drives long-term value creation
- Capital return remains important

Leverage: 1.5-2.5x Net Debt-to-Adj. EBITDA

Performance Targets: What's Possible



(1) Assumes share buyback and leverage near middle of targeted range.

(2) 2014 excludes impact of change to mark-to-market accounting for pensions.

(3) Estimated results for 2019 based on mid-point of guidance as of December 12, 2019.

	2014 ⁽²⁾	2019E ⁽³⁾	5-Year Target
Adj. EBITDA Margin	16.6%	19.5%	20%
Adj. EPS ⁽¹⁾	\$2.55	\$4.72	~\$7.50
Free Cash Flow	\$172M	\$375M	>100% (conversion)
Adj. ROIC	11.5%	12.3%	>13%

Imperatives to Achieve Targets

Continue to drive the strategy and apply the Timken Business Model

Thoughtful and deliberate approach to our mix of business

- Products, markets, geographies, aftermarket
- Drive profitable growth, attractive mix and more resilient top line

Industry-leading operating performance

- Value-based pricing
- Systematic approach to cost reductions, footprint, variable cost structure, etc.
- Drive strong margins and cash flow

Capital deployment as a differentiator

- Make investments (organic and inorganic) to enhance growth, margins and mix
- Drive stronger shareholder returns, including capital return

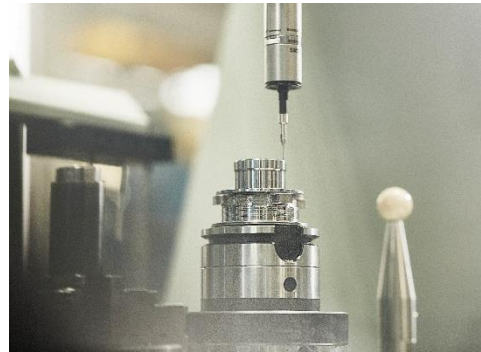


The Timken Company

Advancing as a Global Industrial Leader

Rich Kyle

President and Chief Executive Officer



Advancing as a Global Industrial Leader

- Timken has been a strong investment over the last decade
- Our leading portfolio of engineered bearings and power transmission products are enduring technologies that remain vital in next-generation equipment
- Our capable and experienced management team
 - Successfully transformed the company
 - Delivered next-level financial performance
 - Positioned the company to achieve new targets
- We will generate significant cash flow over the next 5 years and maintain our deliberate approach to deploying capital to create shareholder value
- Timken remains a compelling investment opportunity today and in the future

The Timken Company

Appendix: Executive Bios



Richard G. Kyle

PRESIDENT AND CHIEF EXECUTIVE OFFICER



TIMKEN SERVICE

Prior to being elected president and CEO in 2014, Kyle served as chief operating officer of The Timken Company's Bearings and Power Transmission Group. From 2012 to 2014, he was group president responsible for the company's Aerospace and Steel segments as well as the engineering and technology organizations.

Kyle joined Timken in 2006 as vice president of manufacturing, responsible for the company's global bearings operations. He was named president of the Aerospace and Mobile Industries segments in 2008. During his tenure, he led the company through significant changes to Mobile Industries by reshaping its product portfolio, market mix and operating capabilities. The results yielded dramatic improvements in the company's financial performance.

ADDITIONAL LEADERSHIP

Kyle has also held management positions with Cooper Industries and Hubbell, Inc. In 2015, he was elected to the board of directors of Sonoco, a global provider of consumer packaging, industrial products, protective solutions and display and packaging services. He also served on the board of directors for the National Association of Manufacturers.

EDUCATION

Bachelor's degree in mechanical engineering –
Purdue University

Master's degree in business administration –
Northwestern University's Kellogg Graduate School of Management

ELECTED TO TIMKEN BOARD

2013

Philip D. Fracassa

EXECUTIVE VICE PRESIDENT AND CHIEF FINANCIAL OFFICER



TIMKEN SERVICE

Named to his current position in 2014, Fracassa leads the Timken global finance organization, including external reporting, treasury, tax and trade, financial planning and analysis, internal audit, risk management and investor relations. In addition, he oversees global enterprise shared services and government affairs.

In 2012, Fracassa served as senior vice president for corporate planning and development. He directed the development of enterprise-wide strategy, including the evaluation and execution of inorganic growth initiatives. He also led the project to complete the spin off the company's steel business in 2014.

Fracassa joined Timken in 2005 and has held several key finance positions, including senior vice president and group controller and senior vice president of tax and treasury.

ADDITIONAL LEADERSHIP

Prior to joining Timken, Fracassa was director of taxes for Visteon Corp. He began his career with Price Waterhouse in Detroit and served as a tax attorney with General Motors.

Currently, Fracassa is a member of Financial Executives International, the Manufacturers Alliance for Productivity and Innovation (MAPI) and the Association for Corporate Growth. He sits on the Regional Advisory Board for FM Global, a world leader in commercial and industrial property insurance and loss prevention engineering. Fracassa also serves on the Board of Directors for the American Red Cross – Northeast Ohio Region and Walsh University (North Canton, Ohio).

He is a certified public accountant and licensed attorney in the state of Michigan.

EDUCATION

Bachelor's degree in accounting –
University of Detroit Mercy

Juris doctor degree in law –
University of Detroit Mercy

Advanced Management Program –
INSEAD in Fontainebleau, France

Christopher A. Coughlin

EXECUTIVE VICE PRESIDENT, GROUP PRESIDENT



TIMKEN SERVICE

Named to his current position in 2014, Coughlin is responsible for the operational and commercial activities related to the Timken portfolio of engineered bearings and industrial services. He also holds corporate-wide responsibilities for quality assurance and technology advancement.

In 2010, Coughlin became president of the Process Industries segment and was also responsible for distribution and global supply chain management in the Bearings and Power Transmission Group, as well as for the Timken global purchasing organization.

Coughlin led a multi-year initiative to streamline business processes and implement an enterprise resource planning (ERP) system in 2004. He was previously based in Colmar, France, where he held a variety of management positions including vice

president of industrial equipment, vice president of process industries and vice president of primary metals. Coughlin joined Timken in 1984 as a metallurgist.

ADDITIONAL LEADERSHIP

Coughlin currently serves on the board of directors of the American Bearing Manufacturers Association.

EDUCATION

Bachelor's degree in metallurgical engineering –
University of Cincinnati

Master's degree in business administration –
Case Western Reserve University

Andreas Roellgen

VICE PRESIDENT - EUROPE, ASIA AND AFRICA



TIMKEN SERVICE

Named to his current position in 2016, Roellgen leads the company's strategy for growing profitable sales across all segments and markets in Europe, China, India, Russia, Asia Pacific and Africa. He is also responsible for sales and engineering efforts in those regions.

Previously, Roellgen served as Timken's managing director of Europe and vice president of global process industries. He was responsible for the company's engineered bearings business in heavy industries, power transmission and energy markets. Before that, he held the position of director for manufacturing and supply chain, as well as positions in corporate strategy and new business development.

Roellgen joined Timken in 1997 as business development manager in France.

EDUCATION

Master's degree in mechanical engineering – *Technical University of Munich*

Master's degree in business administration – *INSEAD in Fontainebleau, France*

Hans Landin

GROUP VICE PRESIDENT



TIMKEN SERVICE

Named to his current position in 2014, Landin is responsible for driving and leading the company's growth in power transmission markets with a portfolio that includes industrial belts, chain, couplings, clutches and brakes, lubrication systems and linear motion products.

Landin previously served as vice president of business advancement. Named to that position in 2012, he led an organization responsible for accelerating and sustaining profitable growth in support of the company's strategy. He also served as director of Process Industries, original equipment and wind energy, expanding the business and its global customer base.

In 2007, he served as director of rail with overall responsibility for global rail business growth. Prior to that, Hans was operations manager at several

Timken facilities and served as manager of global market development with a focus on Asia.

Hans joined Timken in 1996 as a sales associate.

EDUCATION

Master's degree in mechanical engineering –
Chalmers University of Technology, Gothenburg, Sweden

Shelly M. Chadwick

VICE PRESIDENT, FINANCE AND CHIEF ACCOUNTING OFFICER



TIMKEN SERVICE

Chadwick leads The Timken Company's global accounting, financial reporting, treasury and investor relations functions. Named to her current position in 2016, she is responsible for accurate and timely financial reporting within a robust framework of internal controls, as well as a broad scope of corporate finance activities including cash management, debt financing, pensions, insurance and risk management.

Chadwick joined Timken in 2011 and has held the positions of vice president of treasury and investor relations, assistant corporate controller, and segment controller for the company's process industries business—providing financial leadership to support decision making for driving profitable growth and achieving business plans.

ADDITIONAL LEADERSHIP

Chadwick has held leadership positions with Eckart America Corporation, where she served as vice president of finance and chief financial officer, as well as Noveon Inc. and BF Goodrich.

She is a charter member of the local chapter of Zonta International, which focuses on advancing the status of women worldwide. She serves on the board of The Battered Women's Shelter of Summit and Medina Counties as well as the Kluber Family Foundation. She is also a member of Financial Executives International and the Manufacturers Alliance for Productivity and Innovation (MAPI).

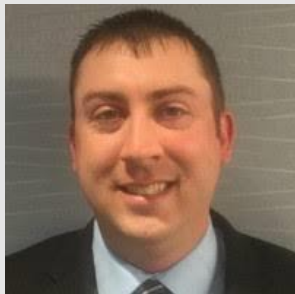
EDUCATION

Bachelor's degree in business management and finance –
Westfield State University

Master's degree in general business administration –
Anna Maria College

Neil A. Frohnapple

DIRECTOR, INVESTOR RELATIONS



EXPERIENCE

Frohnapple is responsible for communicating the Company's vision and performance to the financial community.

Prior to joining Timken, Frohnapple spent over 13 years as a sell-side equity research analyst covering industrial companies in the machinery (heavy truck, construction and agriculture) sector. He was most recently the managing director of the Cleveland office of The Buckingham Research Group. He began his career with FTN Midwest Securities and was also an industrial analyst at Longbow Research.

ADDITIONAL LEADERSHIP

Frohnapple was recognized multiple times by *StarMine* as a top-three earnings estimator in the United States of trading companies and distributors. His research has been cited by *Transport Topics*, *CNBC*, *Barron's*, *Reuters* and *Bloomberg*.

EDUCATION

Bachelor's degree in finance –
John Carroll University

Appendix: GAAP Reconciliations



GAAP Reconciliation: Net Income & EPS

Reconciliations of Adjusted Net Income to GAAP Net Income and Adjusted Earnings Per Share to GAAP Earnings Per Share:

(Unaudited)

The following reconciliation is provided as additional relevant information about the Company's performance deemed useful to investors. Management believes that the non-GAAP measures of adjusted net income and adjusted diluted earnings per share are important financial measures used in the management of the business, including decisions concerning the allocation of resources and assessment of performance. Management believes that reporting adjusted net income and adjusted diluted earnings per share is useful to investors as these measures are representative of the Company's core operations.

(Dollars in millions, except share data)

	2018	2017	2016 ⁽¹⁾	2016 As Reported ⁽²⁾	2015 ⁽¹⁾	2015 As Reported ⁽²⁾	2014 ⁽¹⁾	2014 As Reported ⁽²⁾
Net Income (Loss) Attributable to The Timken Company	\$ 302.8	\$ 203.4	\$ 140.8	\$ 152.6	\$ 188.6	\$ (70.8)	\$ 82.7	\$ 146.8
Adjustments:								
CDSOA income, net of expense ⁽³⁾	—	—	(59.6)	(59.6)	—	—	—	—
Pension related charges ⁽⁴⁾	12.8	18.1	67.0	28.1	100.0	465.0	161.9	33.7
Impairment and restructuring charges ⁽⁵⁾	7.1	13.1	28.0	28.0	15.9	15.9	136.2	136.2
(Gain) loss on divestitures and sale of real estate	0.8	(3.6)	(0.5)	(0.5)	(28.7)	(28.7)	(22.6)	(22.6)
Acquisition related charges ⁽⁶⁾	20.6	9.0	4.2	4.2	5.7	5.7	—	—
Tax indemnification and related items	1.5	(1.0)	—	—	—	—	—	—
Health care plan modification costs	—	(0.7)	2.9	2.9	—	—	—	—
Fixed asset write-off	—	—	—	—	9.7	9.7	—	—
Noncontrolling interest	(1.3)	—	—	—	—	—	—	—
Provision for income taxes	(16.8)	(30.8)	(13.8)	0.5	(74.6)	(207.7)	(96.8)	(61.2)
Total Adjustments:	24.7	4.1	28.2	3.6	28.0	259.9	178.7	86.1
Adjusted Net Income Attributable to The Timken Company	\$ 327.5	\$ 207.5	\$ 169.0	\$ 156.2	\$ 216.6	189.1	\$ 261.4	\$ 232.9
Diluted Earnings per Share (EPS) - Continuing Operations	\$ 3.86	\$ 2.58	\$ 1.78	\$ 1.92	\$ 2.21	(0.84)	\$ 0.91	\$ 1.61
Adjusted EPS - Continuing Operations	\$ 4.18	\$ 2.63	\$ 2.13	\$ 1.97	\$ 2.54	2.21	\$ 2.87	\$ 2.55
Diluted Shares	78,337,481	78,911,149	79,234,324	79,234,324	85,346,246	85,346,246	91,224,328	91,224,328

⁽¹⁾ These 2014-2016 results are depicted to incorporate an estimate of the impact if mark-to-market accounting was adopted in that respective year.

⁽²⁾ These 2014-2016 results are as reported in the respective year (prior to the adoption of mark-to-market accounting).

⁽³⁾ Continued Dumping and Subsidy Offset Act (CDSOA) income represents the amount of funds received by the Company from monies collected by U.S. Customs and Border Protection on merchandise subject to anti-dumping orders that entered the U.S. prior to October 1, 2007.

⁽⁴⁾ Corporate pension and other postretirement benefit related charges represent actuarial (gains) and losses that resulted from the remeasurement of plan assets and obligations as a result of changes in assumptions. The Company recognizes actuarial (gains) and losses in connection with the annual remeasurement in the fourth quarter, or if specific events trigger a remeasurement.

⁽⁵⁾ Impairment, restructuring and reorganization charges (including items recorded in cost of products sold) relate to: (i) plant closures; (ii) the rationalization of certain plants and (iii) severance related to cost reduction initiatives. The Company re-assesses its operating footprint and cost structure periodically, and makes adjustments as needed that result in restructuring charges. However, management believes these actions are not representative of the Company's core operations.

⁽⁶⁾ Acquisition-related charges represent transaction costs and the inventory step-up impact of acquisitions.

GAAP Reconciliation: Adjusted EPS Outlook

Reconciliation of Adjusted Earnings per Share to GAAP Earnings per Share for Full Year 2019 and 2020 Outlook:

(Unaudited)

The following reconciliation is provided as additional relevant information about the Company's outlook deemed useful to investors. Forecasted full year adjusted diluted earnings per share is an important financial measure that management believes is useful to investors as it is representative of the Company's expectation for the performance of its core business operations.

2019 Outlook

		Low End Earnings Per Share		High End Earnings Per Share
Forecasted full year GAAP diluted earnings per share	\$	4.15	\$	4.20
Forecasted Adjustments:				
Corporate pension and other postretirement benefit related charges ⁽¹⁾	\$	0.16	\$	0.16
Acquisition-related charges ⁽²⁾	\$	0.14	\$	0.14
Restructuring and other special items, net	\$	0.25	\$	0.25
Forecasted full year adjusted diluted earnings per share	\$	4.70	\$	4.75

2020 Outlook

		Low End Earnings Per Share		High End Earnings Per Share
Forecasted full year GAAP diluted earnings per share	\$	4.15	\$	4.55
Forecasted Adjustments:				
Restructuring and other special items, net ⁽³⁾	\$	0.25	\$	0.25
Forecasted full year adjusted diluted earnings per share	\$	4.40	\$	4.80

⁽¹⁾ Corporate pension and other postretirement benefit related charges represent actuarial (gains) and losses that resulted from the remeasurement of plan assets and obligations as a result of changes in assumptions. The Company recognizes actuarial (gains) and losses in connection with the annual remeasurement in the fourth quarter, or if specific events trigger a remeasurement. However, the impact of any potential fourth quarter mark-to-market pension and other postretirement remeasurement adjustment is excluded, because the amounts will not be known until incurred.

⁽²⁾ Acquisition-related charges in 2019 primarily related to the Rollon S.p.A. ("Rollon"), The Diamond Chain Company ("Diamond Chain"), and BEKA Lubrication ("BEKA") acquisitions, including transaction costs and inventory step-up impact.

⁽³⁾ Restructuring and other special items, net do not include the impact of any potential future mark-to-market pension and other postretirement remeasurement adjustment, because the amounts will not be known until incurred.

GAAP Reconciliation: 2014-18 EBIT, EBIT, After Adjustments, and EBITDA, After Adjustments to GAAP Net Income

Reconciliations of GAAP to Non-GAAP Measures:

(Unaudited)

The following reconciliation is provided as additional relevant information about the Company's performance deemed useful to investors. Management believes consolidated earnings before interest and taxes (EBIT) is a non-GAAP measure that is useful to investors as it is representative of the Company's performance and that it is appropriate to compare GAAP net income to consolidated EBIT. Management also believes that non-GAAP measures of EBIT, adjusted EBITDA and adjusted EBITDA margin are useful to investors as they are representative of the Company's core operations and are used in the management of the business, including decisions concerning the allocation of resources and assessment of performance.

Reconciliation of Adjusted EBITDA and Margin	2018	2017	2016 ⁽¹⁾	2016 As Reported ⁽²⁾	2015 ⁽¹⁾	2015 As Reported ⁽²⁾	2014 ⁽¹⁾	2014 As Reported ⁽²⁾
Net Sales	\$ 3,580.8	\$ 3,003.8	\$ 2,669.8	\$ 2,669.8	\$ 2,872.3	\$ 2,872.3	\$ 3,076.2	\$ 3,076.2
Net Income	305.5	202.3	141.1	152.9	191.4	(68.0)	85.2	149.3
Provision for income taxes	102.6	57.6	60.5	69.2	26.3	(121.6)	36.2	54.7
Interest expense, net	49.6	34.2	31.6	31.6	30.7	30.7	24.3	24.3
Consolidated Earnings Before Interest and Taxes (EBIT)	\$ 457.7	\$ 294.1	\$ 233.2	\$ 253.7	\$ 248.4	\$ (158.9)	\$ 145.7	\$ 228.3
Adjustments:								
CDSOA income, net of expense ⁽³⁾	—	—	(59.6)	(59.6)	—	—	—	—
Pension related charges ⁽⁴⁾	12.8	18.1	67.0	28.1	100.0	465.0	183.5	33.7
Impairment and restructuring charges ⁽⁵⁾	7.1	13.1	28.0	28.0	15.9	15.9	136.2	136.2
(Gain) loss on divestitures and sale of real estate	0.8	(3.6)	(0.5)	(0.5)	(28.7)	(28.7)	(22.6)	(22.6)
Acquisition related charges ⁽⁶⁾	20.6	9.0	4.2	4.2	5.7	5.7	—	—
Tax indemnification and related items	1.5	(1.0)	—	—	—	—	—	—
Health care plan modification costs	—	(0.7)	2.9	2.9	—	—	—	—
Fixed asset write-off	—	—	—	—	9.7	9.7	—	—
Total Adjustments	42.8	34.9	42.0	3.1	102.6	467.6	297.1	147.3
Adjusted EBIT	\$ 500.5	\$ 329.0	\$ 275.2	\$ 256.8	\$ 351.0	\$ 308.7	\$ 442.8	\$ 375.6
Adjusted depreciation and amortization ⁽⁷⁾	146.0	135.8	130.2	130.2	130.2	130.2	136.7	136.7
Adjusted Earnings Before Interest, Taxes, Depreciation, and Amortization (EBITDA)	646.5	464.8	405.4	387.0	481.2	438.9	579.5	512.3
Adjusted EBITDA Margin (% of net Sales)	18.1%	15.5%	15.2%	14.5%	16.8%	15.3%	18.8%	16.6%

⁽¹⁾ These 2014-2016 results are depicted to incorporate an estimate of the impact if mark-to-market accounting was adopted in that respective year,

⁽²⁾ These 2014-2016 results are as reported in the respective year (prior to the adoption of mark-to-market accounting).

⁽³⁾ CDSOA income represents the amount of funds received by the Company from monies collected by U.S. Customs and Border Protection on merchandise subject to anti-dumping orders that entered the U.S. prior to October 1, 2007.

⁽⁴⁾ Corporate pension and other postretirement benefit related charges represent actuarial (gains) and losses that resulted from the remeasurement of plan assets and obligations as a result of changes in assumptions. The Company recognizes actuarial (gains) and losses in connection with the annual remeasurement in the fourth quarter, or if specific events trigger a remeasurement.

⁽⁵⁾ Impairment, restructuring and reorganization charges (including items recorded in cost of products sold) relate to: (i) plant closures; (ii) the rationalization of certain plants and (iii) severance related to cost reduction initiatives. The Company re-assesses its operating footprint and cost structure periodically, and makes adjustments as needed that result in restructuring charges. However, management believes these actions are not representative of the Company's core operations.

⁽⁶⁾ Acquisition-related charges represent transaction costs and the inventory step-up impact of acquisitions.

⁽⁷⁾ Adjusted depreciation and amortization removes the impact of depreciation recognized in reorganization charges, if any.

GAAP Reconciliation: Consolidated EBIT, EBITDA, and EBITDA Margin Outlook

Reconciliation of EBITDA Margin, After Adjustments, as a Percentage of Sales, EBITDA, After Adjustments, for the 2019 Full Year Outlook:

(Unaudited)

The following reconciliation is provided as additional relevant information about the Company's outlook deemed useful to investors. Management believes consolidated earnings before interest and taxes (EBIT) is a non-GAAP measure that is useful to investors as it is representative of the Company's expectations of performance and that it is appropriate to compare GAAP net income to consolidated EBIT. Management also believes that non-GAAP measures of adjusted EBITDA and adjusted EBITDA margin are useful to investors as they are representative of the Company's expectations for the performance of its core operations and are used in the management of the business, including decisions concerning the allocation of resources and assessment of performance.

(Dollars in millions)	2019 ⁽¹⁾	Percentage to Net Sales
Net Sales	\$ 3,778	
Net Income	329	8.7%
Provision for Income Taxes	137	3.6%
Interest Expense, Net	69	1.8%
Consolidated Earnings Before Interest and Taxes (EBIT)	535	14.2%
Restructuring and other special items, net ⁽²⁾	40	1.1%
Adjusted EBIT	\$ 575	15.2%
Adjusted depreciation and amortization ⁽³⁾	\$ 162	4.3%
Adjusted Earnings Before Interest, Taxes, Depreciation and Amortization (EBITDA)	\$ 737	19.5%

⁽¹⁾ 2019 guidance is estimated results based on mid-point guidance as of December 12, 2019.

⁽²⁾ Restructuring and other special items, net do not include the impact of any potential mark-to-market pension and other postretirement remeasurement adjustment in the fourth quarter.

⁽³⁾ Adjusted depreciation and amortization removes the impact of depreciation recognized in reorganization charges, if any.

GAAP Reconciliation: Segment EBIT, EBITDA, and EBITDA Margin Outlook

Reconciliation of EBITDA Margin, After Adjustments, as a Percentage of Sales, EBITDA, After Adjustments, for the 2019 Full Year Outlook:

(Unaudited)

The following reconciliation is provided as additional relevant information about the Company's Mobile and Process Industries segment outlook deemed useful to investors. Management believes consolidated earnings before interest and taxes (EBIT) is a non-GAAP measure that is useful to investors as it is representative of the Company's expectations of performance. Management also believes that non-GAAP measures adjusted EBITDA and adjusted EBITDA margin are useful to investors as they are representative of the Company's expectations for the performance of its core operations and are used in the management of the business, including decisions concerning the allocation of resources and assessment of performance.

Mobile Industries

(Dollars in millions)	2019 ⁽¹⁾	Percentage to Net Sales
Net Sales	\$ 1,891	
Earnings Before Interest and Taxes (EBIT)	223	11.8%
Restructuring and other special items, net	4	0.2%
Adjusted EBIT	\$ 227	12.0%
Adjusted depreciation and amortization ⁽²⁾	\$ 66	3.5%
Adjusted Earnings Before Interest, Taxes, Depreciation and Amortization (EBITDA)	\$ 293	15.5%

Process Industries

(Dollars in millions)	2019 ⁽¹⁾	Percentage to Net Sales
Net Sales	\$ 1,887	
Earnings before interest, taxes, depreciation and amortization (EBITDA)	382	20.2%
Restructuring and other special items, net	14	0.8%
Adjusted EBIT	\$ 396	21.0%
Adjusted depreciation and amortization ⁽²⁾	\$ 95	5.0%
Adjusted Earnings Before Interest, Taxes, Depreciation and Amortization (EBITDA)	\$ 491	26.0%

⁽¹⁾ 2019 guidance is estimated results based on mid-point guidance as of December 12, 2019.

⁽²⁾ Adjusted depreciation and amortization removes the impact of depreciation recognized in reorganization charges, if any.

GAAP Reconciliation: Free Cash Flow and Outlook

Reconciliation of Free Cash Flow to GAAP Net Cash Provided by Operating Activities:

(Unaudited)

The following reconciliation is provided as additional relevant information about the Company's 2014-2018 performance deemed useful to investors. Management believes that free cash flow is a non-GAAP measure that is useful to investors because it is a meaningful indicator of cash generated from operating activities available for the execution of its business strategy.

Reconciliation of Free Cash Flow	2018	2017	2016	2015	2014
Net cash provided from operating activities	\$ 332.5	\$ 236.8	\$ 403.9	\$ 380.3	\$ 299.2
Less: capital expenditures	112.6	104.7	137.5	105.6	126.8
Free cash flow	\$ 219.9	\$ 132.1	\$ 266.4	\$ 274.7	\$ 172.4

Reconciliation of Free Cash Flow to GAAP Net Cash Provided by Operating Activities for the 2019 and 2020 Full Year Outlook:

(Unaudited)

The following reconciliation is provided as additional relevant information about the Company's 2019 and 2020 outlook deemed useful to investors. Management believes that free cash flow outlook is a non-GAAP measure that is useful to investors because it is representative of the Company's expectation of cash that will be generated from operating activities and available for the execution of its business strategy.

Reconciliation of Free Cash Flow	2019 ⁽¹⁾	2020 ⁽¹⁾
Net cash provided from operating activities	\$ 525.0	\$ 550.0
Less: capital expenditures	(150.0)	(150.0)
Free cash flow	\$ 375.0	\$ 400.0

⁽¹⁾ 2019 and 2020 guidance is estimated results based on mid-point guidance as of December 12, 2019.

GAAP Reconciliation: Net Debt Outlook

Reconciliation of Total Debt to Net Debt, the Ratio of Net Debt to Capital, and the Ratio of Net Debt to Adjusted EBITDA for the 2019 Full Year Outlook:

(Unaudited)

These reconciliations are provided as additional relevant information about the Company's financial outlook deemed useful to investors. Capital, used for the ratio of net debt to capital, is a non-GAAP measure defined as total debt less cash, cash equivalents and restricted cash plus total shareholders' equity. Management believes Net Debt, the Ratio of Net Debt to Capital, Adjusted EBITDA (see below), and the Ratio of Net Debt to Adjusted EBITDA are important measures of the Company's expectations regarding its financial position, due to the amount of cash and cash equivalents expected to be on hand.

(Dollars in millions)

	2019 ⁽¹⁾
Total Debt	\$ 1,747
Less: Cash, cash equivalents and restricted cash	(200)
Net Debt	\$ 1,547
Total Equity	\$ 1,870
Ratio of Net Debt to Capital	45%
Adjusted EBITDA ⁽²⁾	\$ 737
Ratio of Net Debt to Adjusted EBITDA	2.1

⁽¹⁾ 2019 guidance is estimated results based on mid-point guidance as of December 12, 2019.

⁽²⁾ Adjusted EBITDA is reconciled to net income in the preceding reconciliations for 2014-2018 EBIT and Consolidated EBIT.

GAAP Reconciliation: ROIC

Reconciliations of GAAP to Non-GAAP Measures:

(Unaudited)

The following reconciliation is provided as additional relevant information about the Company's performance and outlook deemed useful to investors. The Company uses Average Invested Capital as a type of non-GAAP ratio that indicates return on invested capital which management believes is useful to investors as a measure of return on their investment.

Reconciliation of Adjusted Return on Invested Capital	2019 Full Year Outlook ⁽¹⁾	2018	2017	2016 ⁽²⁾	2016 As Reported ⁽³⁾	2015 ⁽²⁾	2015 As Reported ⁽³⁾	2014 ⁽²⁾	2014 As Reported ⁽³⁾⁽⁴⁾
Adjusted EBIT ⁽⁵⁾	\$ 578.0	\$ 500.5	\$ 329.0	\$ 275.2	\$ 256.8	\$ 351.0	\$ 308.7	\$ 442.8	\$ 375.6
Adjusted Tax rate	26.75%	26.5%	30.0%	30.5%	30.5%	31.0%	31.0%	33.0%	33.0%
Calculated income taxes	154.6	132.6	98.7	83.9	78.3	108.8	95.7	146.1	123.9
Adjusted net operating profit after taxes (ANOPAT)	423.4	367.9	230.3	191.3	178.5	242.2	213.0	296.7	251.7
Total debt	1,747.0	1,681.6	962.3	659.2	659.2	656.5	656.5	526.4	526.4
Total equity	1,870.0	1,642.7	1,474.9	1,310.9	1,306.0	1,349.6	1,344.6	1,594.3	1,589.1
Invested capital (Total debt + Total equity)	3,617.0	3,324.3	2,437.2	1,970.1	1,965.2	2,006.1	2,001.1	2,120.7	2,115.5
Invested capital (two-point average)	3,470.7	2,880.8	2,203.7	1,988.1	1,983.2	2,063.4	2,058.3	2,194.6	2,191.6
ANOPAT	423.4	367.9	230.3	191.3	178.5	242.2	213.0	296.7	251.7
Invested capital (two-point average)	3,470.7	2,880.8	2,203.7	1,988.1	1,983.2	2,063.4	2,058.3	2,194.6	2,191.6
Return on invested capital	12.3%	12.8%	10.5%	9.6%	9.0%	11.7%	10.3%	13.5%	11.5%

⁽¹⁾ 2019 guidance is estimated results based on mid-point guidance as of December 12, 2019.

⁽²⁾ These 2014-2016 results are depicted to incorporate an estimate of the impact if mark-to-market accounting was adopted in that respective year,

⁽³⁾ These 2014-2016 results are as reported in the respective year (prior to the adoption of mark-to-market accounting).

⁽⁴⁾ The 2013 invested capital amounts (\$2,268.4 million ⁽²⁾ for 2013 and \$2,267.6 million ⁽³⁾ for 2013, as reported, respectively) remove an estimated proportionate amount of equity related to the Company's prior steel business that was spun off June 30, 2014.

⁽⁵⁾ Adjusted EBIT is reconciled to net income in the preceding reconciliations for 2014-2018 EBIT and Consolidated EBIT.