# WABTEC 2020 INVESTOR CONFERENCE

# Forward looking statements & non-GAAP financial information

This presentation contains "forward-looking" statements as that term is defined in Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended by the Private Securities Litigation Reform Act of 1995, including statements relating to the impact of the acquisition by Wabtec of GE Transportation (the "GE Transportation merger") and statements regarding Wabtec's expectations about future sales and earnings. All statements, other than historical facts, including statements regarding the expected benefits of the GE Transportation merger, including anticipated synergy benefits and statements regarding Wabtec's plans, objectives, expectations and intentions; legal, economic and regulatory conditions; and any assumptions underlying any of the foregoing, are forward-looking statements. Forward-looking statements concern future circumstances and results and other statements that are not historical facts and are sometimes identified by the words "may," "will," "should," "potential," "intend," "expect," "endeavor," "seek," "anticipate," "estimate," "overestimate," "believe," "could," "project," "continue," "target" or other similar words or expressions. Forward-looking statements are based upon current plans, estimates and expectations that are subject to risks, uncertainties and assumptions. Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those indicated or anticipated by such forward-looking statements. The inclusion of such statements should not be regarded as a representation that such plans, estimates or expectations will be achieved. Important factors that could cause actual results to differ materially from such plans, estimates or expectations include, among others, (1) unexpected costs, charges or expenses resulting from the GE Transportation merger; (2) uncertainty of Wabtec's expected financial performance; (3) failure to realize the anticipated benefits of the GE Transportation merger, including as a result of integrating GE Transportation into Wabtec; (4) Wabtec's ability to implement its business strategy; (5) difficulties and delays in achieving revenue and cost synergies; (6) inability to retain and hire key personnel; (7) evolving legal, regulatory and tax regimes; (8) changes in general economic and/or industry specific conditions, including the impacts of tax and tariff programs, industry consolidation and changes in the financial condition or operating strategies of our customers; (9) changes in the expected timing of projects; (10) a decrease in freight or passenger rail traffic; (11) an increase in manufacturing costs; (12) actions by third parties, including government agencies; (13) the severity and duration of the evolving COVID-19 pandemic and the resulting impact on the global economy; and (14) other risk factors as detailed from time to time in Wabtec's reports filed with the SEC, including Wabtec's annual report on Form 10-K, periodic quarterly reports on Form 10-Q, periodic current reports on Form 8-K and other documents filed with the SEC. The foregoing list of important factors is not exclusive. Any forward-looking statements speak only as of the date of this communication. Wabtec does not undertake any obligation to update any forward-looking statements, whether as a result of new information or development, future events or otherwise, except as required by law, Readers are cautioned not to place undue reliance on any of these forward-looking statements.

This presentation as well as Wabtec's earnings release and 2020 financial guidance mention certain non-GAAP financial performance measures, including adjusted sales, adjusted operating margin, EBITDA, adjusted EBITDA, adjusted effective tax rate, adjusted income from operations, adjusted interest and other expense and adjusted earnings per diluted share. Wabtec defines EBITDA as income from operations plus depreciation and amortization. While Wabtec believes these are useful supplemental measures for investors, they are not presented in accordance with GAAP. Investors should not consider non-GAAP measures in isolation or as a substitute for net income, cash flows from operations, or any other items calculated in accordance with GAAP. In addition, the non-GAAP financial measures included in this presentation have inherent material limitations as performance measures because they add back certain expenses incurred by the company to GAAP financial measures, resulting in those expenses not being taken into account in the applicable non-GAAP financial measure. Because not all companies use identical calculations, Wabtec's presentation of non-GAAP financial measures may not be comparable to other similarly titled measures of other companies. With respect to Wabtec's guidance to certain non-GAAP adjusted financial measures, it is not possible, without unreasonable effort, to forecast and quantify with reasonable accuracy certain adjustments that would be necessary for a reconciliation to the corresponding GAAP financial measures.





# Note regarding 2020 business operations and financial guidance

DURING THE CONFERENCE, WABTEC MANAGEMENT WILL DISCUSS ITS PREVIOUSLY ISSUED GUIDANCE FOR 2020. THIS GUIDANCE HAS NOT BEEN REVISED FOR ANY POTENTIAL IMPACT DUE TO COVID-19, AND MORE RECENTLY WITH VOLATILITY IN THE COMMODITY AND FINANCIAL MARKETS.

TO DATE, WABTEC HAS SEEN LIMITED IMPACT TO ITS FIRST QUARTER. HOWEVER, WE ARE CONTINUING TO MONITOR OUR CUSTOMERS AND THE END MARKETS WE SERVE, AS THOSE COULD HAVE AN IMPACT ON WABTEC'S BUSINESS, OPERATIONS AND FINANCIAL PERFORMANCE.





## Agenda

8:30 AM ET Opening Remarks and Wabtec Overview

Rafael Santana

9:15 AM ET Portfolio Spotlights

Spotlight on Technology

Spotlight on Freight Services

Spotlight on Digital Electronics

Spotlight on Global Operations

Spotlight on Transit

Spotlight on Regional Growth: Russia /CIS/MENAT

Spotlight on Regional Growth: India

Dominique Malenfant

Pascal Schweitzer

Peter Thomas / Bob Bourg

Alicia Hammersmith

Lilian Leroux

Gokhan Bayhan

Sujatha Narayan

11:00 AM ET Financials / Q&A

**Financial Performance** 

Q&A

Pat Dugan







## What you will hear today

Delivering results through the cycles via world-class technology and innovation while leveraging significant installed base

- Focused on **continuous operational improvement** and margin expansion
- Lean operations driving strong cash flow with disciplined capital allocation
- Building a stronger and better Wabtec with a purposedriven culture of accountability

Extending the lead as #1 rail technology company in the world

**5-YEAR OULOOK** 

### Mid-Single Digit

ORGANIC SALES CAGR VS. LOW SINGLE DIGIT FOR INDUSTRY

300+ bps
OPERATING MARGIN
EXPANSION

>10%
EPS CAGR

>90%
CASH FROM OPS CONVERSION (1)





# Our speakers



Rafael Santana President & CEO



**Gokhan Bayhan** Regional General Manager, Russia/CIS/MENAT



**Bob Bourg**Vice President, Core
Electronics and Data Analytics



Pat Dugan
CFO & Executive Vice
President



Alicia Hammersmith Vice President, Operations, Transit



**Lilian Leroux**Group President,
Transit



Dominique Malenfant Chief Technology Officer



**Sujatha Narayan**Regional General Manager,
India



Pascal Schweitzer
Group President, Freight
Services

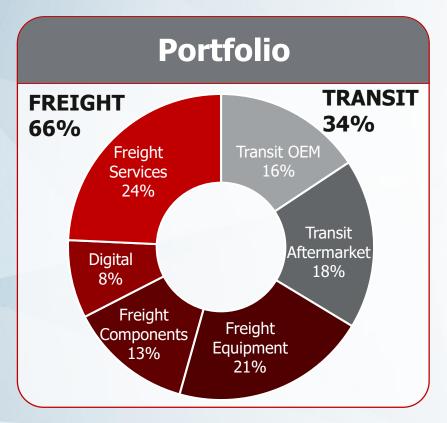


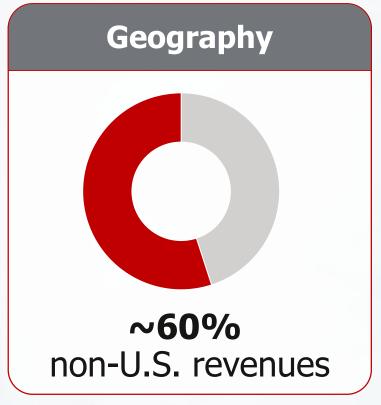
**Peter Thomas**Chief Commercial Officer,
Digital Electronics – Americas

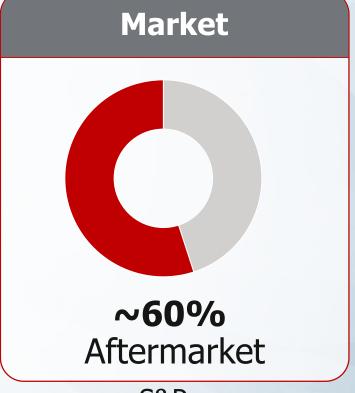




# Strong global industrial portfolio with track record of innovation and significant recurring revenue







**\$8.2B** 19 GAAP SALES

~27K
EMPLOYEES

S&P 500 COMPANY WABTEC 2020 INVESTOR CONFERENCE





1. Technology leader ... 7,000 patents

**Track-record of execution** ... customer partnerships spanning 50+ countries

**Significant installed base** ... mission critical products

4. Lean operations ... 120+ manufacturing sites

Purpose-driven culture ... 150 years of industry expertise

### Wabtec value creation model

### **Our vision:**

We will accelerate the future of transportation by building the safest, most reliable and sustainable freight, transit, signaling and logistics systems and services.

Through our scale and innovation, we will drive average double-digit earnings growth and lead the transportation industry in unprecedented ways.

#### **ENGAGED INNOVATIVE** LEAN **TECHNOLOGIES PEOPLE OPERATIONS** Sustainable, quality High performance Continuous teams & leaders solutions improvement Domain expertise High barriers to entry Flexible capabilities Growth driver Culturally engrained Safety at our core

#### **INVESTED IN COMMUNITIES**

**CUSTOMER FOCUSED** 

**VALUE CREATION FOR OUR SHAREHOLDERS** 





## Rail is improving the world's transportation challenges

Global demand for transport growing fast ... freight and passenger activity will more than double by 2050

North America's freight ton mile is moved via rail



#### **CLEANER**

<10% of freight transportation carbon emissions\*



#### **SAFER**

<4% of freight transportation injuries\*



#### **EFFICIENT**

Rail is 4x more fuel efficient than conventional trucks\*\*



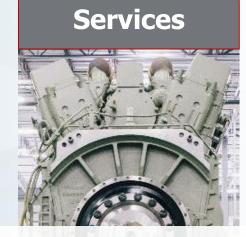
# Diverse portfolio of businesses uniquely positioned to outperform the market

#### **Freight segment**

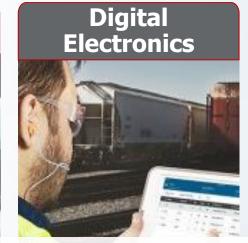
#### **Transit segment**

#### **Equipment**













>20%

Of the world's rail freight is moved by a Wabtec locomotive

2.5<sub>M</sub>

Messages monitored daily on Wabtec locomotives



Of content on a Freight car capable of being Wabtec

>30%

Of North American freight moved through ports managed by Wabtec software

**>15**%

Rail passenger cars equipped with Wabtec safety critical components





### Market update

Markets we're in	2019		
North America Freight	NAM carload volume	(4.0)%	
- Hortii America Freight	NAM railcar deliveries	5.8%	
International Freight	Int'l rail freight MT	3.1%	
North American Passenger	Passenger-kilometer	2.5%	
International Passenger	Passenger-kilometer	2.9%	
	Iron Ore exports MT	(2.9)%	
Mining and Other Industrials	Coal consump. QBTU	(1.2)%	

# MARKET GROWTH

(over 5 years)











# How we win in the global transportation market

1.

#### **Customer focus**

Deepen & transform global capabilities. Help customers compete and win.

2.

#### **Technology**

Protect & extend our current market position with world-class technology.

3.

#### **Lean culture**

Commitment to quality and continuous improvement.

Management compensation aligned to execution



### How we create value ...

2020

\$8.7B

**REVENUES** 

100+ bps

OPERATING MARGIN EXPANSION

\$4.50 to \$4.80

**ADJUSTED EPS** 

\$900M CASH FROM OPS 5-YR OUTLOOK

Mid-Single Digit

ORGANIC SALES CAGR

300+ bps

OPERATING MARGIN EXPANSION

**>10**%

**EPS CAGR** 

>90%
CASH FROM OPS
CONVERSION

# 2019 execution & integration reinforces strategic merger rationale

### **Strategic merger rationale** (as communicated at announcement)

- 1 Diversified, global leader in transportation & logistics
- 2 Electronics & Digital technologies leading to autonomous operations
- Recurring revenue growth in high-margin aftermarket & services
- Highly compelling pro-forma financial profile ... attractive point in cycle
- Significant operating synergy potential & tax benefit drive value creation
- Strong free cash flow profile enabling rapid de-leveraging

#### **How Wabtec has delivered**

**\$8.2B** revenue, global operations, ~60% international revenues, leader in Freight and Transit markets

**10+** new products launched in '19 further enabling autonomous operations

**~60%** of total revenues in aftermarket, providing stability in key markets and close alignment with customer needs

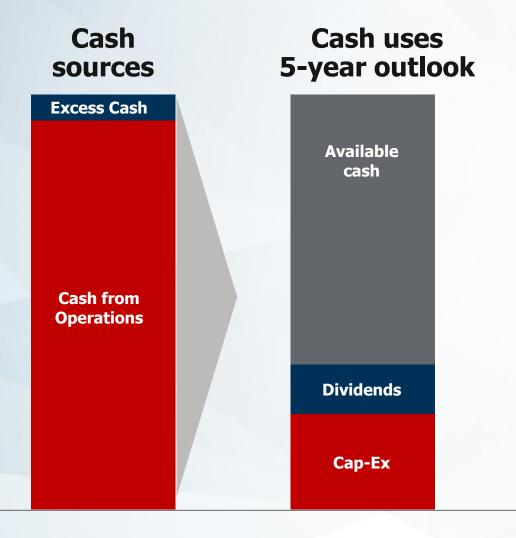
2019 adjusted pro forma revenues of **\$8.7B**(a), EBITDA of **\$1.5B** 

**\$30M** synergies delivered in 2019, ahead of plan & on-track to deliver **\$250M** before 2022

**\$1B** cash from operations delivered in 2019 yielding net debt to adjusted EBITDA of **2.6x** 



## Strong cash generation enabling capital allocation flexibility



#### **Capital allocation approach**

- Maintain strong balance sheet for flexible capital deployment
- Continuing to invest in technology innovation to grow leadership position
- Focused on strategic bolt-on M&A that strengthen the core business and are accretive to EPS
- Return cash to shareholders
   through dividends and opportunistic share repurchase

Balanced capital allocation priorities to maximize shareholder value





# Committed to creating a more sustainable world ... focus on corporate social responsibility

#### **Innovating with purpose**



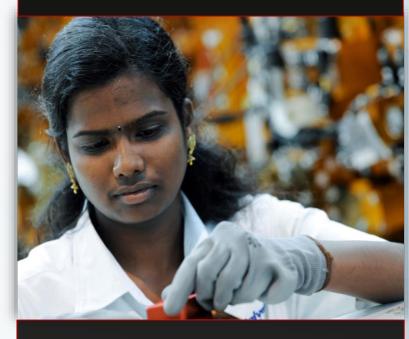
Innovating to serve our customers and minimizing our impact on the planet

# **Creating a more sustainable world**



Taking action to reduce our environmental impact, while strengthening the long-term sustainability of our business

# **Empowering people and communities**



Driving an inclusive culture grounded in integrity; investing in the communities where our teams live and work

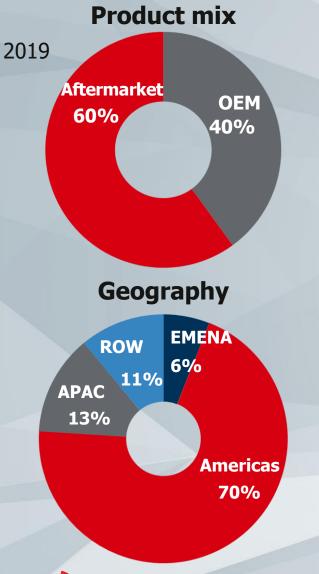




# Segment Overviews

Rafael Santana

### Freight segment



# **Growth drivers & industry dynamics**

- Expanding installed base enabling increased recurring revenue streams
- Steady international growth ... footprint & partnerships are a strategic advantage
- Digital capability is required for customers to achieve OpEx goals ...
   OEM expertise enabling competitive advantage
- Merger driving significant footprint rationalization while also capturing more content per train

\$5.9B

'19 ADJ PRO FORMA SALES (1)

~Flat

'20 SALES GROWTH VS.
'19 ADJ PRO FORMA

 $\sim 100$ bps

**'20 MARGIN EXPANSION** 



(1) 2019 GAAP sales of \$5.4B, 2019 GAAP EBIT % of 11.8%, 2019 Adjusted Pro-Forma sales of ~\$5.9B, 2019 Adjusted Pro-Forma EBIT % of ~18.5%

#### Strategy in action

# Strongly positioned to capitalize on global dynamics

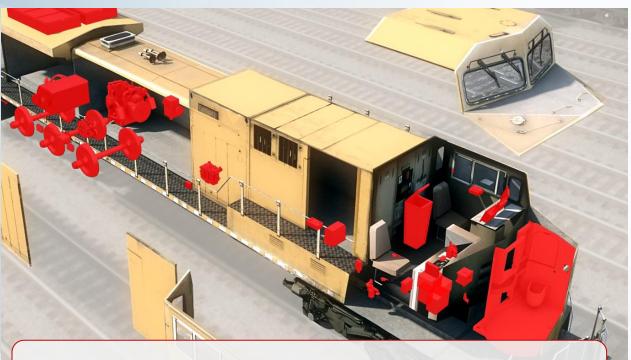
	<b>Locon</b> IB	n <b>otive</b> Age	Freigl	nt car `20 OEM	5 year Outlook	Looking ahead 2021-2025
NORTH AMERICA	31K	19	1.6M	43K	<b>→</b>	<ul><li>Modernization &amp; new opportunity for service as asset utilization peaks</li><li>Strong aftermarket and OEM agreements</li></ul>
APAC	20K	17	1.2M	57K	<b>↑</b>	<ul> <li>Deliver India locos, grow share in Southeast Asia</li> <li>Strong component opportunities in India</li> </ul>
RUSSIA/ CIS/MENAT	40K	25	1.3M	60K	<b>↑</b>	<ul> <li>Continue engine and loco delivery, fleet renewal in other CIS, volume to grow due to coal</li> <li>Leverage RR relationships to grow component share</li> </ul>
LATAM	3K	20	151K	1.5K	<b>→</b>	<ul><li>Renew technology, positive outlook for iron ore &amp; ag.</li><li>Stable market for components</li></ul>
SUB-SAHARAN AFRICA	4K	19	145K	0.5K	$\leftrightarrow$	<ul> <li>Renew technology, positive volume for iron ore &amp; coal</li> <li>Leverage RR relationships to grow component share</li> </ul>
EUROPE	7K	22	770K	12K	7	<ul> <li>Unfavorable volume dynamics &amp; renewal dependent or technology progress for non-electrified sections</li> <li>OEM agreement to grow market share</li> </ul>
					20	



WABTEC
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#### Strategy in action

## Unlocking opportunity for margin expansion across freight ecosystem



#### Locomotive

- Wabtec holds significant loco IP content
- Opportunity to pull through value on new deliveries, manufacturing & aftermarket sales

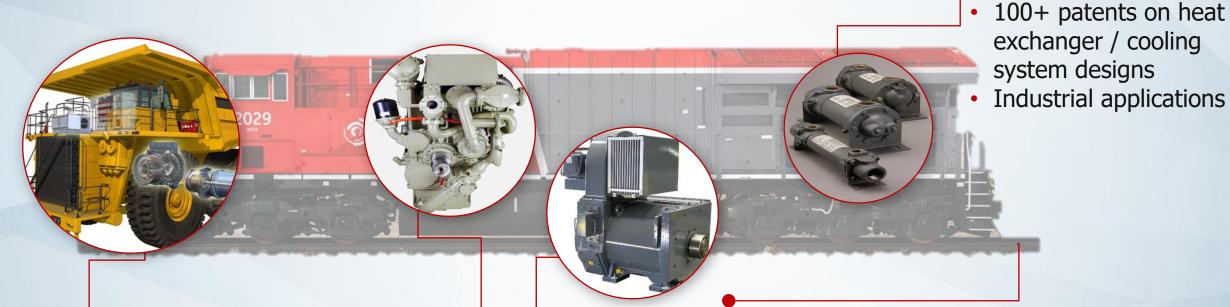
#### **Freight Car**

- ~10% of Wabtec content on rail cars
- Opportunity to grow 2X by 2025



#### Strategy in action

# Key technologies unlocking \$1B revenue in adjacent markets



#### Mining

- Propulsion system
- Significant partnerships with OEMs

#### **Marine, Power Gen**

- Tier 4 engine: Marine and Power Gen
- Traction motor: Drill Motor

#### **Wayside Track Management**

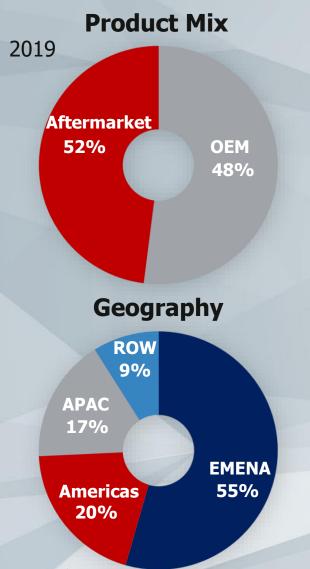
 Wheel condition monitoring, rail camera, bearing acoustic monitoring





**Heat Exchangers** 

### Transit segment



# **Growth drivers & industry dynamics**

- Dilutive projects are largely behind us
   ... winning new volume at a better margin
- Regulation changes are creating opportunities ... investing in highlyengineered systems that support shift to green
- Steady transit growth across the globe with highlights in India where we're uniquely positioned to win
- Lean culture to deliver significant cost out ... sourcing, footprint, quality

\$2.8B

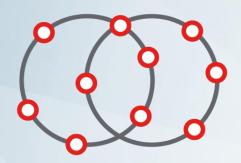
2-5%
'20 SALES GROWTH

~100bps
'20 MARGIN EXPANSION



(1) 2019 GAAP sales of \$2.8B, 2019 GAAP EBIT % of 7.8%, 2019 Adjusted Pro-Forma sales of \$2.8B, 2019 Adjusted Pro-Forma EBIT % of  $\sim$ 9.0%

## How we win in Transit profitably



# Stabilize the portfolio

Prudent project selection & improved risk management.



# Drive lean culture

Leverage integration to drive best cost footprint; continuous improvement mindset.



# Capture profitable growth

Expand in attractive end markets. Win share of global growth & shift to green opportunities.

Aligning portfolio for continuous profitable growth ... path to mid-teen margins







# **Technology**Dominique Malenfant

# Technical **innovation** ... at our core



- ✓ Advanced Adhesion controls system to improve traction efficiency for heavy haul freight locomotives
- ✓ Train Energy Management for freight application
- ✓ AC electric drive system for mining Ultra-Class trucks
- ✓ Global Remote Monitoring & Diagnostic solution
- ✓ Fully electronic SIL 4 brake system in transit
- ✓ Electronic Train Management System ("PTC") in freight
- ✓ Tier 4 engine w/o aftertreatment ... 3 years ahead of competition
- ✓ Metallic 3D printed parts for rail in production
- ✓ Battery electric freight locomotive

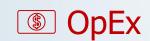




# Extending our technology leadership by enabling advances in transportation



#### Solving our customers largest challenges:















## Disrupting the rail industry with battery power

Environment





OpEx

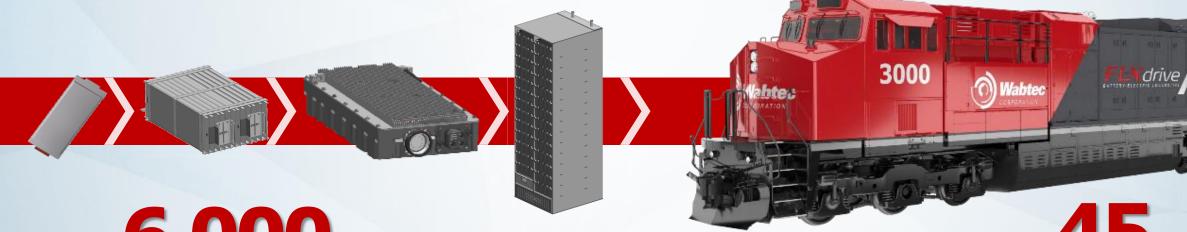
BATTERY-ELECTRIC FREIGHT LOCOMOTIVE

FUEL=\$7B+

ANNUAL NAM LOCO FUEL SPEND

Up to 30%

FUEL AND EMISSIONS SAVINGS



Up to **6,000**KWHr

**100**%

BATTERY POWERED

MILES ON BATTERY

Autonomy





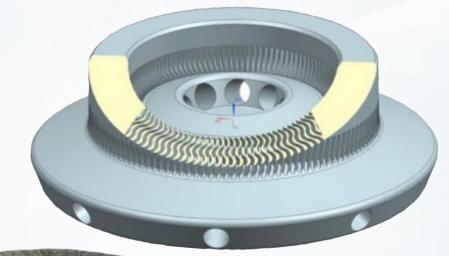
Additive is disrupting traditional

manufacturing

**FUEL COOLING NOZZLE** 

Up to 90%

LEAD TIME





**Customer Value Drivers** 

OpEx (\{\frac{1}{2}})

Reliability



Up to **75%**INVENTORY



1,250 prototype parts +
12 production part types ...
target is to grow production
circulation >25,000 by 2025





# Shift to green ... technology unlocking opportunity for customers and the world

Environment



**Customer Value Drivers** 



METROFLEXX BRAKING SYSTEM

Up to **15%** 

**BRAKING DISTANCE** 

8

95%
RECYCLABILITY

30%
LIFE CYCLE COST

50% WEIGHT



Target to drive 50% increase in market share & margin over next 10 years



# Technology as a competitive growth enabler

Capability ... delivering innovation

Flexibility ... variable workforce

**Competitiveness ... driving value** 

Investing ~5% of revenues in technology development



>30%
ENGINEERS IN BEST COST COUNTRIES

>20%

FLEXIBLE WORKFORCE CAPACITY

>3%

Y/Y PRODUCTIVITY

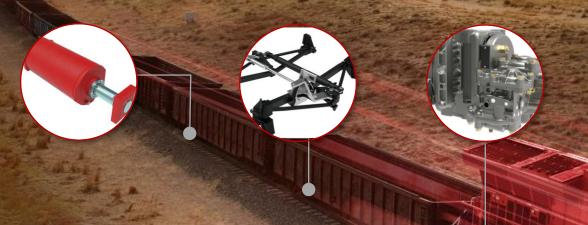




# Freight Services Pascal Schweitzer

## Striving to be railroads' service partner of choice

Rolling stock assets and the right maintenance strategy create significant value



Why locomotive service matters

>30yrs >4M

**120**+

Locomotive life

Gallons of fuel consumed

Service events

Why freight car service matters

Freight car life

Global freight cars

Annual Ton mileage



Significant opportunity over the asset's lifecycle



### Freight Services solutions for our customers



Up to 50% Hauling power ↗

Replace 3 units with 2

>500 units in operation
Up to 10k locomotive
market potential

**What:** Asset life extension via comprehensive upgrades

**How:** Modular scope defined

with every customer



**FDL Advantage** 

**Up to 5**%

Fuel savings

**Lower emissions & cost** 

**10k+ engines** in operation Up to **500 overhauls/year** over the next 10 years

**What:** Performance upgrade

**How:** Common rail system and new controls during

engine overhaul



Up to **40**%

Dwell time \(\mathbb{\sqrt{\pi}}\)

Improve loco downtime

Up to **4%** availability **↗ ~3%** reduction in repeat locomotive failures

**What:** Suite of products to manage shop logistics

**How:** Digitally connect all assets across the network



~3% of Sales

Annual repair investment

**Optimize lifecycle cost** 

~23k locomotives globally Up to 20% increase in

useful life of parts

**What:** Performance

upgrades and new products

**How:** Global product

remanufacturing capabilities



## A well-positioned, technologically advanced locomotive fleet

~23k

**INSTALLED BASE** 

40<sub>+</sub>

200+

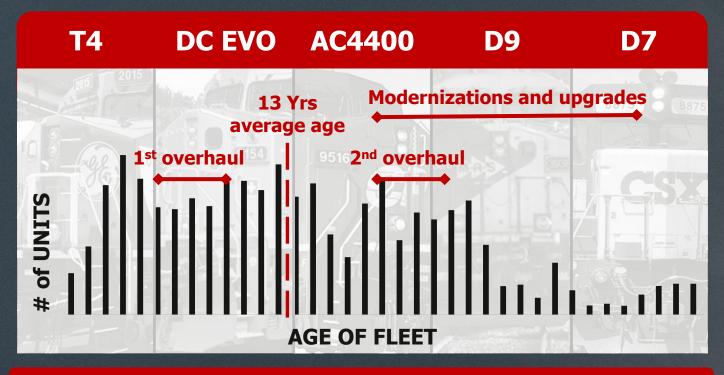
**CUSTOMERS** 

#### **Technology differentiators**

- 1. Engine fuel efficiency
  Up to 6% more efficient engine driving
  ~18k gallons of fuel savings per year-a)
- 2. Hauling power
  14% more tonnage with advance
  adhesion/individual axle control enabling
  >1,000 additional cars/loco
- Trip Optimizer

  ~12k installed saving over 250k gallons of fuel per day around the globe

**INSTALLED BASE DISTRIBUTION** 



The backbone of freight railroad operations globally



## Unique franchise with a proven track record of growth

6% annual revenue growth over the last decade

\$2.2B 2019 ADJ PRO-FORMA SALES-a) \$12B BACKLOG

~80%

Revenues under contract

~90%

OEM parts with Wabtec IP

~80%

Fleet under digital monitoring

**500**+

Performance upgrades in catalog

A global, customer focused team



- 100+ customer locations with Wabtec presence
- Remanufacturing at 20+ global locations
- ~30% of installed base outside of North America



## Long-term fundamentals to deliver growth

#### **Market Drivers**



#### Fleet lifecycle

- + Favorable fleet age profile ... prioritized asset dispatch
- Higher locomotive utilization ... accelerating maintenance across the board



#### **Fleet performance**

- + Increased demand for availability, reliability, fuel performance ... mods and upgrade opportunities
- + Strategic partnerships for value



#### Fleet size

- + International deliveries, units off warranty
- NAM Class I parking
- Railroad focus on op ratios, short term impact to maintenance costs

#### **Our Strategy**



#### **Capture entitlement**

- Maximize utilization
- Track loco performance over lifecycle
- Leverage global service platform and infrastructure



#### **Drive outcomes**

- Partner on RR fleet lifecycle strategy
- Roll-out new offerings at scale
- Revitalize aging assets via Mods



#### **Optimize lifecycle cost**

- Rigorous tools to analyze cost structure
- Dedicated engineering organization focused on lifecycle cost management
- LEAN and Quality at heart of business





### Strategy in action

## Wabtec Freight Services ... aligned to PSR







Technology-driven service franchise delivering through the cycles

Leveraging fleet dynamics and railroad demand for increased performance to drive mid-single digit annual growth over the next five years

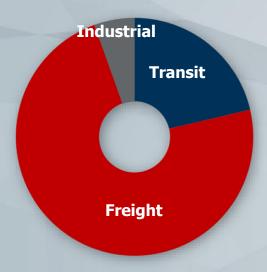
Strong cost and growth synergies with Wabtec service business; leveraging existing platforms to grow penetration



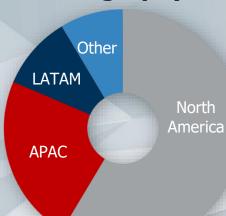
# **Digital Electronics**Peter Thomas & Bob Bourg

## **Digital Electronics**

#### **Revenue by Segment**



#### Geography



# Industry dynamics & growth drivers

- Managing a tough cycle globally ...
   overall '19 volume down (4%) in
   North America
- NA Railroads shift focus to Operations ... Precision Scheduled Railroading (PSR)
- Automation opens next generation of productivity ... and growth
- Opportunity to take capabilities to key global markets

\$0.7B

\$1.1B

BACKLOG

>10%

EXPECTED TOP-LINE GROWTH





## Customer outcomes that matter, in the context of PSR

Safety

~22k

On-board PTC systems

~65k

Track miles with PTC

~9k

Collision avoidance systems



↑ Safety↑ Communications

**Asset Performance** 

~12k

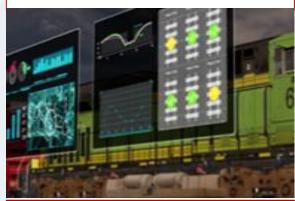
Trip Optimizer units

~20k

**LOCOTROL Systems** 

~10k

**GoLINC Edge devices** 



↑ Fuel savings↑ Asset utilization

**Network Performance** 

**250** 

Dispatch desks in service

~100k

Track miles under control



↓ Dwell↑ Velocity

**Supply Chain Visibility** 

14

Days advanced visibility

1

Information source

10%

Productivity improvement



Improved customer service

**Installed base foundation of automation** 





## How we win with our customers

**Freight** 

>\$15B
ADDRESSABLE OPEX

**Transit** 

EST. DEMAND FOR PASSENGER TRANSPORT BY 2050

**Mining** 

\$5B 1% IMPROVEMENT IN OP COSTS

Shipper / Ports

DAYS OF ADVANCED VISIBILITY W/DATA INTEGRATION

1. Growth on existing portfolio

2. Enhancements and upgrades

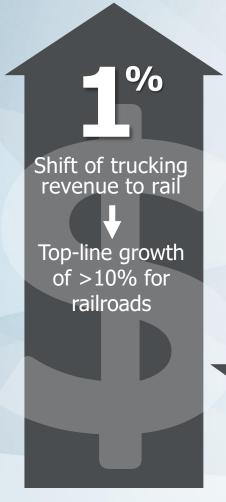
3. Path to automation

4. Market expansion





## Road to rail ... harnessing innovation to drive productivity







1980	2018	2028
1 gallon	1 gallon	1 gallon
1 ton	1 ton	1 ton
235 2x miles	473 2x miles	900+ miles
miles	miles	miles

Sources: Federal Railroad Administration (June, 2018); Association of American Railroads (July, 2019)

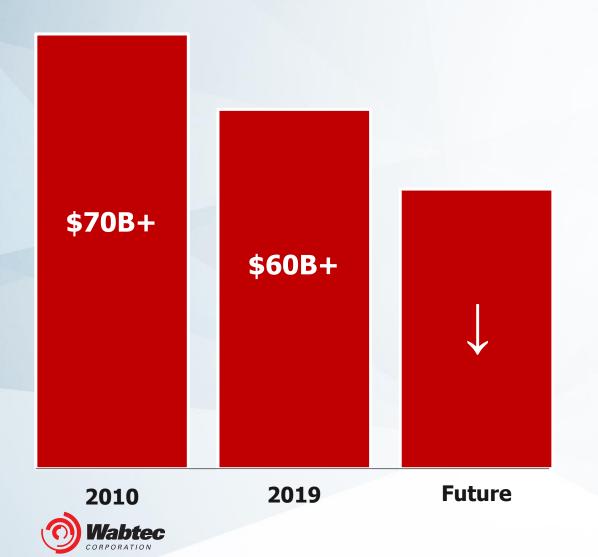
Partnering with customers ... improving freight throughput in 10 years what took 40 years





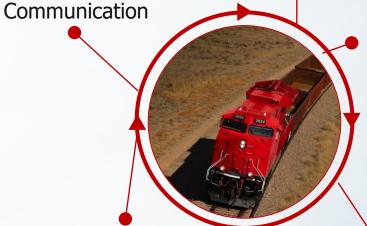
## Enabling productivity and efficiency for customers

#### **Class I Operating Expense**



#### **Market Opportunity for Wabtec**





Network Optimization... \$500M

Yard Planner, Smart Intermodal, Movement Planner

Productivity ... \$2B

Autonomous, Road Remote Control Locomotive Asset Performance Management... \$500M

EdgeLINC, Expert on Alert, Condition Monitoring

WABTEC 2020 INVESTOR CONFERENCE

## Automation building blocks unlock value & capability

#### **FULL AUTOMATION**

Moving block . Dispatch visibility Wayside sensor integration

#### **DE-SKILLED ENGINEER**

Vital standalone PTC . High-bandwidth communication . Yard automation

#### **SINGLE PERSON CREW**

Paperless Cab . Road RCL . Movement Planner

#### ATTENDED AUTOMATION

PTC + Trip Optimizer . Movement Planner Zero-to-Zero . SmartHPT

#### **TECHNOLOGY FOUNDATION**

PTC . Trip Optimizer . Distributed Power

25%

FUEL EFFICIENCY IMPROVEMENT

50%
POTENTIAL

PRODUCTIVITY SAVINGS

25%

REDUCTION IN TRAIN DELAYS

**75**%

REDUCTION IN ACCIDENTS DUE TO HUMAN ERRORS

Double digit revenue growth by unlocking ~\$6B+ in opportunity







# **Global Operations**Alicia Hammersmith

## Global cost-competitive manufacturing strategy

#### **BUILDING FLEXIBILITY**

- Combined manufacturing enabling operations synergies
- Optimize footprint for capability to serve multiple product lines ... simplify supply chain and asset base
- Announced upcoming exit of 6% of property portfolio in 2019
- Actioning additional 9% of footprint in 2020

~\$70мм

INSOURCED MATERIAL FROM COMBINED OPERATIONS

#### **ACCELERATING LEAN**

Demonstrated track record of margin expansion:

- 5% manufacturing cost savings productivity
- Integrated systems and MRP
- Disruptive manufacturing ... additive, condition-based maintenance, etc.
- Best in class safety record

>90%

ON-TIME DELIVERY TO CUSTOMERS

#### **TRANSFORMATION**

- Proven local capability in best cost countries for key customers (India, Brazil, Kazakhstan, Czech Republic, Macedonia)
- Strong local partnerships for incountry content (South Africa, Turkey, Ukraine, Egypt)
- Material and transportation cost reduction ... targeting 35% content sourced from best cost countries

**>25**%

SITES IN BEST COST COUNTRIES

**Evolving to lighter asset model** 





Lean in action

**Lean operations** and multi-modal flexibility ... transforming Fort Worth

2x

CAPACITY EXPANSION W/O ADD'L FOOTPRINT

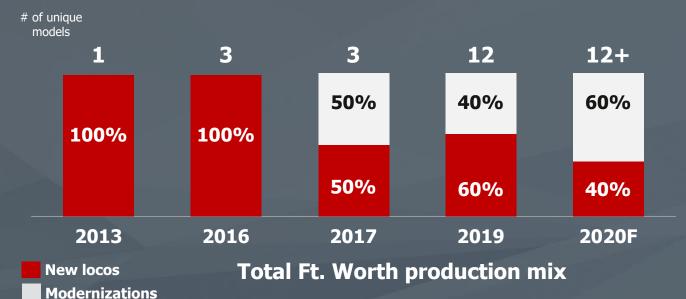
Nabtec

(15)%

LOWER MANUFACTURING ASSEMBLY HOURS

50+

LEAN EXPERT KAIZEN EVENTS





A single model, new locomotive only shop

To

12 different models with modernization mix

WABTEC 2020 INVESTOR CONFERENCE

# First mixed moving line in industry ... transforming Brazil site

**From** 

**Static line...** 

batch production push system



To

**Mixed moving line...** single piece flow pull system





10%
WORKING CAPITAL IMPROVEMENT

>13,000 ft<sup>2</sup>
AREA SAVINGS

SITES CONSOLIDATED

RECORDABLE INJURIES





Lean in action

**Machine connectivity** in Grove City

400+

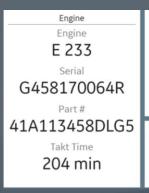
CONNECTED MACHINES ACROSS 13 PLANTS **60%** + improvement in Safety

70%+ improvement in Quality

**30%** + improvement in Lead Time

25%

INCREASE IN EFFICIENCY









Lean in action

# **Electronics Manufacturing COE** ... sourcing and rationalizing electronic builds

# ~30% LABOR SAVINGS

## 5+

**OPPORTUNITY** 

ADDITIONAL PRODUCT LINES INSOURCED

## **>75**%

FACTORY UTILIZATION (over last 5 years)

# 30 DAYS

CUSTOMER LEAD TIME REDUCTION

WABTEC 2020 INVESTOR CONFERENCE

#### **From**

Product line focused ... rugged electronic manufacturing



Insourcing ... integrating 3<sup>rd</sup> party builds into COE system





## Scalable model driving continuous improvement

**Accelerating Lean** 

**Building flexibility** 

**Driving transformation** 

#### **OPERATIONAL TARGETS**







Lean manufacturing delivering operational efficiency







## Focused on driving safety, efficiency and passenger comfort



- **\$3.5B** in backlog
- **Sales** up **6%**
- \$92B addressable new and Services rolling stock market
- > **60** service centers



- > **900** customers
- Partner with train manufacturers on strategic projects
- Drive outcomes for transit
   operators via aftermarket



- Largest Transit portfolio in the industry
- >75% of portfolio focused on 5 core product areas
- Equipment with high engineering added value

#1 or #2

IN KEY PRODUCT CATEGORIES (ACROSS GLOBAL ACCESSIBLE MARKETS)











**23** 

NEW PRODUCTS
INTRODUCED TO MARKET IN 2019





## Transit reset ... turnaround underway



## Stabilize the portfolio

Prudent project selection & improved risk management.



#### **Drive lean culture**

Leverage integration to drive best cost footprint; continuous improvement mindset.



## Capture profitable growth

Expand in attractive end markets. Win share of global growth & shift to green opportunities.

>100bps margin improvement in 2020



### Turnaround scorecard

	2019 ACTUAL	2020 GOAL
COST OF POOR QUALITY	(6%)	(5%)-(10%)
ON-TIME DELIVERY	+3 PTS	+2-3 PTS
MATERIAL DEFLATION	2%	>2%



## Stabilizing portfolio & driving lean culture

## Prudent project selection & improved risk management

- Reinforced project selection governance, 75% of UK refurbishment projects completed
- Stronger supply chain and project management capabilities, new leaders appointed

## Leverage integration to drive best cost footprint; continuous lean improvement

- Increasing to >30% manufacturing and engineering into best cost countries
- Optimize fixed cost structure to deliver year-over-year OpEx savings



OTHER

PIS HVAC

**DOORS** 

**BRAKES** 

SERVICES

\$3.5B BACKLOG

Significant reduction of refurbishment backlog, in favor of more attractive segments



Design and validation of new couplers for Transit to significantly improve comfort on board of coaches

Leveraging Wabtec India's Technology & Engineering Center





Strategy in action: best cost footprint & lean

## **Transforming Transit Brakes operations**

- Driving manufacturing into best cost countries
- Strong make or buy actions to improve material cost
- Total product cost reduction initiative
- Digitizing operations
- Optimizing fixed cost structure to deliver OpEx savings

2019 achievements:

**HOURS IN** BEST COST COUNTRIES

~45% ~(15)% >85%

**COST OF POOR QUALITY OVER 2 YEARS** 

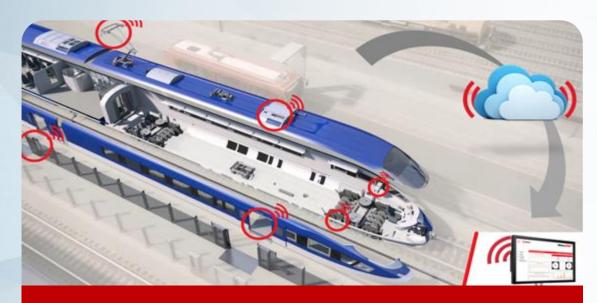
**ON-TIME DELIVERY +8PT** 

Continuous improvement and focus on best cost countries



## Growing the portfolio in attractive markets

## 10-15% growth in profitable end markets



## GROWTH THROUGH BROADER AFTERMARKET OFFERING

- ✓ Condition based maintenance initiative ... 5 projects started in 2019
- ✓ Deployment of digital spare part catalogue
- ✓ Integration of advanced analytics and 3D printing



## INCREASED DEMAND FOR MODERN EQUIPMENT FOR EXISTING TRAIN

- ✓ Growth of Passenger Information Systems
- In need of technical upgrade of all Wabtec onboard equipment





## Expanding product offerings to support the Shift to Green

Capture profitable, growing demand & shift to green opportunities

**Market** drivers

Our response

Strategy in action

### Shift to green:

**New global trend for Transit** 

In political agenda and funding decisions



**Energy management** 



Weight reduction

#### **Economic factors**

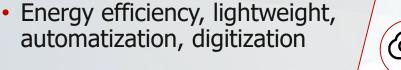
GDP, demography, urbanization



**Dust reduction** 



Charging solutions





CO2 reduction



(100kg) per car with newest MetroFlexx brake control & brake station



Up to **10x** fewer micro-particles for friction braking



Up to 30% energy savings in HVAC



**Technology** 



## Russia / CIS / MENAT Gokhan Bayhan

## Wabtec in Russia / CIS / MENAT today



## 3-4% Freight Growth

WITH AGING FLEET OF 40K LOCOMOTIVES & 1.3M RAILCARS



~\$3.5B

'20 OPENING BACKLOG



~300

**EMPLOYEES ACROSS REGION** 



>770K ft<sup>2</sup>
OPERATIONAL FOOTPRINT

Double digit revenue growth through the long-term plan





Leveraging local presence to overcome high barriers to entry

#2

Largest diesel locomotive market outside of North America

#### **Wabtec Advantage**

- State-of-the-art technology
- Localization & partnership
- Service/supply chain infrastructure
- Financing solutions



#### **LOCOMOTIVES IN OPERATION**

1,500+ locos in operation



#### **SERVICE**

**50+%** fleet under long term service agreements



#### **ENGINES IN OPERATION**

**300+** engines in operation on other OE locos







100 fuel-efficient new locomotives

80 locomotive rehabs

15-year sole source parts and technical support agreement for 180 locos (new and current fleet)

International / complex full project financing package

ENR goal to increase freight market share from  $1\% \rightarrow 10\%$  ... creating demand for 200-300 additional locos



## Leverage Wabtec advantage to expand portfolio

Local Presence

Utilize established operational infrastructure and deep relationship with customers, build partners & stake holder

Customer Solutions

Expanded product and services portfolio offering customers integrated & complete solutions

Team

Alignment & cooperation of key account managers with business units... single face to the customer



Passenger coaches & metro
Brake systems, friction, HVAC and doors



**Electric locomotives**Brake systems, HVAC, pantograph



Freight wagons
Bogie frames, brake systems









# **India**Sujatha Narayan

## Building a \$1B\*enterprise in India over 5 years





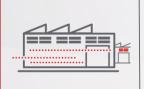
## \$450M+

RAPID GROWTH FROM LOCO, TRANSIT BRAKES, METRO



~2,750

**EMPLOYEES ACROSS REGION** 



# ~1Mft<sup>2</sup> OPERATIONAL FOOTPRINT



~1,200

WABTEC INDIA ENGINEERING





## Wabtec's leading advantage

### **MARKET**







#### **TALENT**







### **COSTS**











## Leverage the market



4th

Largest rail network in the world

68,000 km

Rail route

22,700

Trains running every day

**23**M

Passengers per day

**3M** Tons

Freight per day



### TRANSIT & FREIGHT

#### **Protect the profitable core**

- Transit brakes
- IR locomotive project

#### **Build new business**

- Drive aftermarket service growth
- Introduce new products and services
- Compete in metro products



#### DIGITAL ELECTRONICS

- Business development & concept selling
- Wabtec advantage
  - Current RM&D capability
  - Global Engineering center in India
  - Extensive global portfolio





## Leverage the talent

1.5M

# Engineers in India

India produces more engineering grads than US + Europe

1 in 10

**Analytics professionals** worldwide from India

India has ~90,000+ analytics professionals

~2,000+
Startups

Working in the B2B space, out of which 700+ work with deep technology

## WABTEC INDIA TECHNOLOGY & ENGINEERING CENTER

- 4 groups / sites → 1 team
- ~1,200 Engineering & IT team
- Maximize synergy & utilization

#### **GLOBAL COE**

- World-class competitiveness
- Established global design teams for Freight, Transit and signaling
- Develop product/solution building capability



## Leverage the cost

## Lower operational costs

Commodity, overhead & labor costs

## Supply ecosystem

Entrenched automotive and railway suppliers

## **India financial reforms**

Make in India



Drive global sourcing to drive Wabtec profitability



World-class factories through Industry 4.0



A global hub for manufacturing of Transit & Freight solutions







# **Financials**

Patrick Dugan

# What you've heard

Delivering results through the cycles via world-class technology and innovation while leveraging significant installed base

Focused on **continuous operational improvement** and margin expansion

Lean operations driving strong cash flow with disciplined capital allocation

Building a stronger and better Wabtec with a purpose-focused culture of accountability





## 2019 adjusted pro-forma results

(\$ in billions, except per share amounts)		,				1			
	FY19 GAAP <sup>(2)</sup>	FY19 non GAAP	Policy harmonization <sup>(3)</sup>	Partial year pro-forma <sup>(4)</sup>	Recurring PPA <sup>(5)</sup>	FY19 adj. pro-forma			
Revenue	\$8.2	\$8.3	\$(0.1)	<i>\$0.5</i>	-	\$8.7	\$8.7		
Income from Operations	\$0.7	\$1.2	\$(0.1)	\$(0.1)	<i>\$0.3</i>	\$1.3	\$1.4		
EBITDA	\$1.1	\$1.6	\$(0.1)	\$(0.0)	-	\$1.5	\$1.6		
Cash from Operations	\$1.0	\$1.1	-	\$(0.3)	-	\$0.8	\$0.9		
EPS (177M shares)	\$1.84	\$4.17	(\$0.39)	\$(0.37)	\$1.19	\$4.60	N/A		
EPS (192M shares)	\$1.70	\$3.86	(\$0.36)	\$(0.34)	\$1.10	\$4.26	\$4.50-\$4.80		

<sup>(1)</sup> FY 2019 adjusted pro forma financial results give effect to the GE Transportation merger as if it had occurred on January 1, 2019. The FY 2019 pro forma financial results are not presented in accordance with Article 11 of Regulation S-X, and are presented here for illustrative purposes only and are not indicative of the results of operations that would have actually occurred had the GE Transportation merger occurred on January 1, 2019.

<sup>(2)</sup> The GE Transportation merger closed on February 25, 2019. Accordingly, Wabtec's FY 2019 results do not include results attributable to GE Transportation for January and February of 2019.

<sup>(3)</sup> Represents the impact of non-cash accounting policy harmonization, which is included in GAAP results; policy harmonization will no longer be treated as a non-GAAP addback in 2020 results.

<sup>(4)</sup> Represents 2 months of GE Transportation performance, interest expense, additional amortization and PP&E expenses, and impact from intercompany sales

<sup>(5)</sup> This represents intangible amortization amounts which will be excluded from non-GAAP EPS calculations.

## 2020 outlook

	`19 GAAP	`19 Adj. Pro-Forma	`20 Adj. Guidance		
Sales	\$8.2B	\$8.7B	~\$8 <b>.</b> 7B		
EBIT %	8%	15%	~16%		
EPS	\$1.84	\$4.26	~\$4.50 to ~\$4.80		
Cash from Ops	\$1.1B	\$0.8B	~\$0.9B		

#### What we are expecting

#### **Sales**

- ✓ Softening NAM Freight (loco, freight car, services)
- ✓ Moderate growth in mods, int'l services, & Transit
- ✓ Digital Electronics growth

#### EBIT %

- √ >\$150 cumulative net synergies (\$120 year over year impact), primarily in Freight
- ✓ Negative mix due to lower Freight & higher Transit
- ✓ Lean improvements

#### **Cash from Ops**

- √ ~\$100 outflow for prior year 1x charges
- Working capital drag due to timing
- ✓ GE Tax payment benefit

## Delivering in challenging environment





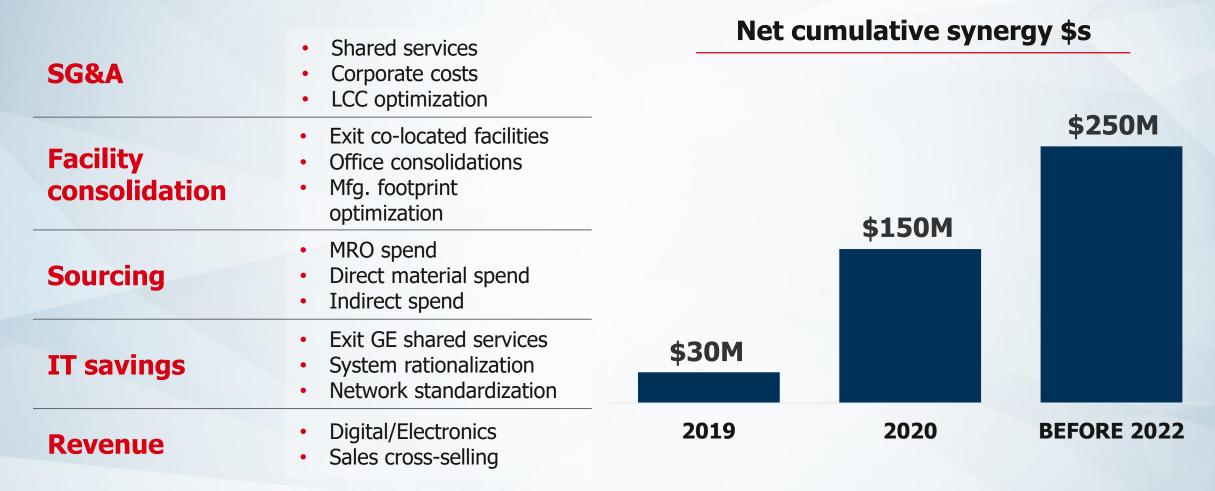
# Diversified & global sales portfolio

Freight	'19 sales GAAP	'19 sales Adj. pro-forma		'20 outlook
Equipment	\$1.7B	\$1.9B	×	NAM carload volume flat to down NAM loco volume partially offset by international
Components	\$1.1B	\$1.1B	×	Lower freight car build @ ~40K
Services	\$2.0B	\$2.2B	$\leftrightarrow$	Loco parkings remain @ `19 ending levels NAM offset by int'l & slight mods growth
Digital Electronics	\$0.7B	\$0.7B	<b>→</b>	Growing product offerings aligned to customer needs
Transit				
Transit OE	\$1.3B	\$1.3B	<i>→</i>	Low single digits growth
Transit AM	\$1.5B	\$1.5B	7	Low single digits growth
	\$8.2B	\$8.7B		





# Significant synergy opportunities

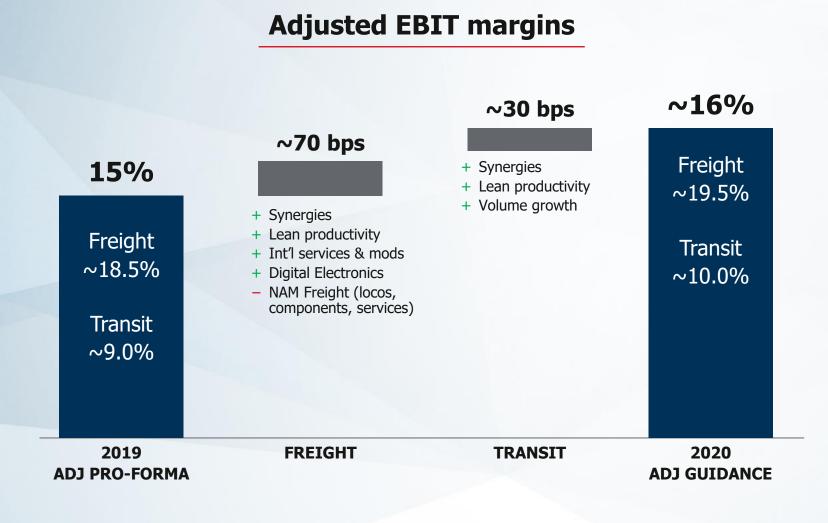


On-track to achieve \$250MM run-rate synergies before 2022





## Continuing to drive margin expansion



#### **Key drivers**

- Proven ability to achieve synergies
- Culturally engrained lean efforts
- \$22B backlog
- Significant installed base with ~60% aftermarket revenues
- Globally diverse portfolio
- Pockets of growth offsetting NAM freight slowdown



# Cash tax benefit driven by transaction



Tax step-up associated with the transaction drives average annual cash tax benefits of ~\$150M for the next 15 years



First \$470M of gross cash tax benefits (\$440 NPV) to be paid to GE by Wabtec (expected to be realized during first 3-4 years)

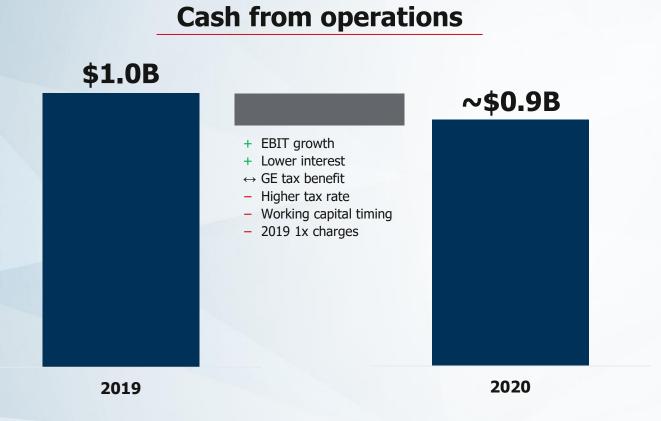


Remaining cash tax benefits accrue to Wabtec (net present value of ~\$1.1B)





## Continuing to drive strong cash generation



Committed to goal of >90% cash conversion

#### **Key drivers**

- EBIT growth driven by synergy execution, lean actions
- Lower interest expense on lower debt
- GE Tax benefit ~flat versus '19; effective tax rate slightly up
- Working capital pressure due to timing ... significant focus area to improve
- Cash outflows of ~\$100M driven by payments of '19 1x charges treated as non-GAAP adjustments





# Capital allocation strategy

# **Invest** organically

Consistent R&D and CapEx investments in new products, aftermarket & recurring revenue streams, & digitization

**~5%**TECHNOLOGY
% SALES

~2%
CAPEX
% SALES

# **Grow through acquisitions**

Strategic bolt-on acquisitions that enhance growth strategy ... grow aftermarket, product offerings, and new markets

> cost of capital
TARGET RETURN ON
INVESTMENT

## **Return capital**

Maintain stable dividend policy ... recently announced share repurchase authorization to be used opportunistically when returns exceed other alternatives, providing a return exceeding cost of capital

## **Excess cash**

RETURN TO SHAREHOLDERS





## 5-year financial plan

Strong recurring revenue base & deep partnerships in long-cycle business enabling growth through the cycle

# Mid-single digits

**ORGANIC GROWTH** 

# **EBIT** margin improvement

Significant synergy opportunities driven by business combination; Transit stabilizing & delivering accretive growth

300+ bps
MARGIN EXPANSION OVER
NEXT 5 YEARS

## **Cash generation**

Proven ability to execute strong working capital management; deal structure unlocking ~15 year tax benefit

>90%
CASH FLOW
CONVERSION

# Focused capital allocation

Invest in the company; free up capital for strategic M&A and share buy-back

>10% EPS CAGR

Long-term value creation will average double-digit EPS growth



# Key takeaways

- Portfolio is uniquely positioned to deliver strong results
- Leading technologies positioning Wabtec to build further momentum on its track record with customers
- Lean transformation and global capabilities are making Wabtec stronger and enabling significant synergies and margin expansion
- Strong cash generation enabling capital deployment strategy to grow shareholder value
- Confident in long-term business fundamentals and ability to execute in dynamic environment

#### Positioned to outperform









# Speaker Biographies



## Rafael Santana

#### President & CEO



**Rafael Santana** is President and CEO of Wabtec where he brings roughly 25 years of commercial, product management and executive leadership experience to this post, including more than 10 years in the transportation industry. He has a proven track record of transforming businesses, while delivering top- and bottom-line growth.

Most recently, he served as President and CEO of GE Transportation, a unit of General Electric company, where he significantly expanded the company's regional footprint and built strong overhaul and modernization capabilities and backlog through multi-year programs. Prior to that role, he was president & CEO of GE in Latin America, where he helped transform the market into one of GE's largest and fastest-growing regions. A respected global and business executive, Santana also served as president and CEO of the Turbomachinery Solutions Business of GE Oil & Gas, where he drove significant margin improvement and growth in a contracting marketplace. Prior to joining GE in 2000, Santana worked for six years at ExxonMobil and British American Tobacco.

A native of Brazil, Santana has a degree in Engineering from the Universidade Federal de Minas Gerais in Brazil. He currently serves on Wabtec's Board of Directors.





## Gokhan Bayhan

## Regional General Manager – Russia/CIS



**Gokhan Bayhan** is General Manager for Wabtec's Russia/CIS, Europe, M. East and N. Africa region. Prior to the merger of GE Transportation and Wabtec, Bayhan joined GE in 1997 and held multiple roles including Regional Sales Manager Russia, CIS & Turkey, Global Locomotive Strategic Marketing Manager, and Strategic Marketing Leader, Pricing.

On December 2009 he was named the General Manager of Russia, CIS and South East Europe and on December 2012 his region was expanded to cover Europe, Middle East and Europe. After the February 2019 Wabtec Corporation acquisition of GE Transportation, he was named the regional leader for the same territory for Wabtec.

Bayhan holds a Bachelors of Science in Electrical Engineering from Gannon University, and MBA in Finance from the Katz School of Business at the University of Pittsburgh, and a Masters of Science in Electrical Engineering from Gannon University.





## **Bob Bourg**

### Vice President for Core Electronics & Data Analytics



**Bob Bourg** is Vice President for Core Electronics & Data Analytics at Wabtec Corporation. He has P&L responsibility for a portfolio of products and systems including locomotive electronics, braking systems, event recorders, IoT platforms, and digital solutions for the mining industry.

In prior positions with Wabtec, Bourg led strategy & growth initiatives, managed multiple product and services business units, and led efforts for the design and implementation of Positive Train Control systems mandated by the Rail Safety Improvement Act of 2008. Before joining Wabtec, Bourg worked in the instrumentation and controls industry, and he began his career in the U.S. Navy where he helped develop microprocessor-based equipment used in naval nuclear instrumentation and control applications.

Bourg holds a BSE degree in Electrical Engineering from Duke University and an MS degree in Computer Science from George Washington University.





## Patrick D. Dugan

### Chief Financial Officer & Executive Vice President



**Patrick Dugan** is Chief Financial Officer (CFO) and Executive Vice President At Wabtec, where he is responsible for all aspects of Investor Relations, Accounting, Tax and Finance, and Information Technology.

Dugan joined Wabtec in 2003, and has been a key member of the management team focused on delivering growth through new product development, international expansion and acquisitions. As CFO, Wabtec has grown from ~\$2.5B in revenues to nearly ~\$9B in revenues, driven largely by the strategic acquisitions of Faiveley Transport and GE Transportation. During those critical combinations, Dugan was instrumental in executing the strategy and business structure, debt and equity financing, as well as integration of these investments. Prior to this role, he was Wabtec's Corporate Controller and Vice President of Finance.

Before joining the company, Dugan was Vice President and CFO at CWI International, Inc., where he helped transform a local chemical operations into a supplier of advanced oilfield technologies, through M&A, product development and international expansion. He also helped guide the start up to acquisition by Weatherford International.

Dugan began his career with PWC providing business assurance and advisory services, serving middle market growth companies focused on transformational transactions including M&A, recapitalizations and initial public offerings.

He holds an MBA from the Joseph M. Katz Graduate School of Business at the University of Pittsburgh, a Bachelor of Science in Accounting from The Pennsylvania State University, and is a Certified Public Accountant.





## Alicia Hammersmith

## VP Operations, Transit



**Alicia Hammersmith** is Vice President of Operations for the Transit segment. She brings 29 years of manufacturing operations expertise spanning three large industrial, technically advanced segments of Aviation, Transportation and Oil & Gas. Hammersmith is skilled in acquisitions, divestitures, consolidations, start-ups, system implementations and tech transfers.

Most recently, she was the Materials Leader for GE Aviation responsible for \$4.5 billion in inventory across 80+ sites leading demand forecasting, master scheduling, planning, configuration management, fulfillment, distribution and logistics for new equipment and services. Prior to that role, she was the Global Operations Leader for GE Oil & Gas on four-year assignment in Germany managing 10 acquisition sites in five countries in addition to providing operational oversight for European sales and service locations. Hammersmith has eight years in the transportation industry in operations and materials.

Hammersmith has a degree in Engineering from the University of Pittsburgh and a Masters in Business from Xavier University.





## Kristine Kubacki

## VP, Investor Relations



**Kristine Kubacki** is Vice President of Investor Relations. She brings 14 years of experience as a sell-side analyst covering industrials.

Kubacki previously served as executive director and senior analyst for the transportation, logistics and equipment sector at Mizuho Securities USA. Prior to this role, she was vice president of market strategy for Wells Fargo's commercial vehicle group, as well as director of equity research for the global industrial equipment industry at CLSA. Kubacki spent nearly nine years covering the industrial sector at Avondale, and held analyst roles at A.G. Edwards, as well as operations management, process design and supply chain management positions at Procter and Gamble.

Kubacki earned her MBA from Washington University, Bachelor of Science degree in chemical engineering from Washington University, and Bachelor of Science in mathematics from Webster University. Kubacki is also a CFA charterholder.





# Lilian Leroux

### President, Transit



**Lilian Leroux** has been the president of Wabtec's Transit business since 2019 and has spent most of his 25 years career in a variety of leadership, commercial and project management roles across the railway sector. After various positions within industrial and railway companies such as the French national railway operator SNCF, Leroux joined Faiveley Transport in 2001 as Project Manager and then Key Account Manager. From 2004 to 2009, he worked successively as Faiveley Transport Managing Director in Tamworth (U.K.) and then U.K. Managing Director. Following the acquisition of SAB WABCO, he took full P&L responsibility of the region.

Leroux was subsequently appointed Services President, a division supporting rail operators and maintainers with the maintenance and optimization operations of original equipment throughout their lifespan. In 2014, Leroux was appointed Brakes & Safety Group President where he was responsible for all Transit Brakes, Couplers, and Friction Product Lines worldwide. He was instrumental in driving growth and successful integration of the two compagnies' brakes product portfolios when Faiveley Transport was acquired by Wabtec in 2016.

Lilian has worked and lived in France, UK, Italy & Germany. He holds the Science Degree in Engineering from INSA Lyon, a leading engineering school in France, and is graduate of INSEAD.





# Dominique Malenfant

## **Global Technology Officer**



**Dominique Malenfant** is the Global Technology Officer & Senior Vice President Engineering for Wabtec. In this role, he is responsible for the overall global technology strategy and engineering organization for the company.

Malenfant previously served as the Vice president Global Technology & Chief Technology Officer for GE Transportation for 4.5 years where he lead GE Transportation's overall global technology strategy. Prior to GET, he served as Vice President of Product and Engineering for the Transport Propulsion and Control Business at Bombardier Transport, overseeing 1,200 professionals across eight different countries. Through his 24 with Bombardier, he managed Bombardier Transport's North American division where he was responsible for product management, engineering and supply management. He also led the Center of Expertise R&D group, and has experience in plant management, engineering quality assurance, systems engineering and project management.

Malenfant graduated from Laval University in Quebec City with a bachelor's degree in Electrical Engineering.





## Sujatha Narayan

## Regional General Manager - India



**Sujatha Narayan** joined Wabtec in August 2017 and in her 2.5 years as Managing Director of Transit business in India, she has led the company through a period of unprecedented profitable growth with a passionate focus on customer satisfaction, operational efficiency, compliance, profitability and employee well-being. In 2019, under her leadership, the Wabtec Transit business was certified as a "Great Place to Work" by Great Place To Work Institute

Prior to her current role, Naryan was the Vice President & General Manager leading the Commercial Solutions Business at 3M India Limited. In the United States, Narayan worked for Rogers Corporation managing R&D & Commercialization of new products in the electronics, industrial and consumer markets.

Narayan holds a Masters & PhD in Polymer Science & Engineering from Georgia Institute of Technology, USA and BTech Degree from Indian Institute of Technology, Delhi. She originally hails from Chennai, India.





## Pascal Schweitzer

## Group President, Freight Services



**Pascal Schweitzer** is Group President, Wabtec's Freight Services business, which helps customers maximize the value of their existing assets, over their entire lifecycle, through innovative technologies and business models. In this role, Schweitzer is responsible for improving critical customer outcomes in the areas of product reliability, asset use, velocity, fuel consumption, operating expenses and railcar dwell time. His organization oversees maintenance agreements for part sales, asset maintenance, global remanufacturing, fulfillment and the development of advanced software and analytics.

Before the merger with Wabtec, Schweitzer served as GE Transportation's Vice President, Global Services Organization and prior to that was GE Power's Services Leader for Europe, where he was responsible for developing and delivering a regional services strategy, while leading the company's transformation following the acquisition of Alstom. Prior to this, he ran the Gas Turbine Service business for Alstom globally. Before joining Alstom, he was the strategy manager in charge of strategy and IPO projects at Rexel in Paris.

Schweitzer received a master's degree with specialization in finance from the HEC Business School in Paris.





## **Peter Thomas**

### Chief Commercial Officer, Digital Electronics – Americas



**Peter Thomas** is the Chief Commercial Officer in the Americas for Wabtec's Digital Electronics business where he and his team are charged with developing a winning commercial strategy and driving customer focused, outcome oriented commercialization efforts for the company's suite of software and digital technologies to the rail, port and shipper segments.

In his previous role, Thomas was the General Manager for GE Transportation's Optimization Solutions business and President of RMI. He joined GE Transportation in 2004 as the Marketing Leader for Global Signaling. In 2005, he was promoted to the role of International Sales Leader for Global Signaling and Global Rail Operations and was based in Florence, Italy. He subsequently served as General Manager of Sales for the Middle East /Africa region and was based in Dubai, UAE before being named Chief Marketing Officer for GE Transportation in 2009.

Prior to joining GE Transportation, Thomas spent eight years with the GE Fanuc Automation business where he held positions of increasing responsibility in sales, marketing, and operational leadership. Peter is a certified Six Sigma Master Blackbelt and holds both a Bachelor of Science in Marketing and a Master of Business Administration from the University of Alabama at Birmingham.







# Appendix



## **EPS and Non-GAAP Reconciliation**

Set forth below is the calculation of the non-GAAP performance measures. We believe that these measures provide useful supplemental information to assess our operating performance and to evaluate period-to-period comparisons. Non-GAAP financial measures should be viewed in addition to, and not as an alternative for, Wabtec's reported results prepared in accordance with GAAP.

(in millions) 2019 Full Year Results													
	Net Sales	Gross <u>Profit</u>	Operating Expenses	Income from Operations	Interest & Other Exp	<u>Tax</u>	Net Incor			ority erest	abtec <u>Income</u>		<u>EPS</u>
Reported Results	\$ 8,200.0	\$ 2,278.0	\$ (1,614.9)	\$ 663.1	\$ (216.3)	\$ (120.3)	\$ 326	5.5	\$	0.2	\$ 326.7	\$	1.8
Restructuring, Transaction, & Litigation costs	-	38.3	191.5	229.8	25.0	(61.6)	193	3.2		-	193.2	\$	1.0
One-time PPA	-	185.0		185.0	-	(44.8)	140	.2		-	140.2	\$	0.7
Policy Harmonization	123.0	65.6	26.0	91.6	-	(22.2)	69	.4		-	69.4	\$	0.3
Tax on Transaction Costs		-		-	-	12.5	12	5			12.5	\$	0.0
Adjusted Results	\$ 8,323.0	\$ 2,566.9	\$ (1,397.4)	\$ 1,169.5	\$ (191.3)	\$ (236.4)	\$ 741	.8	\$	0.2	\$ 742.0	\$	4.1



## **EBITDA** Reconciliation

Set forth below is the calculation of the non-GAAP performance measures. We believe that these measures provide useful supplemental information to assess our operating performance and to evaluate period-to-period comparisons. Non-GAAP financial measures should be viewed in addition to, and not as an alternative for, Wabtec's reported results prepared in accordance with GAAP.

Wabtec Corporation 2019 Full Year EBITDA Reconciliation (in millions)	me from erations	<u>De pi</u>	eciation	Amo	ortization	BITDA (Income from ations plus Depreciation & Amortization)
Consolidated 2019 Actual Results As Reported	\$ 663.1	\$	157.8	\$	238.4	\$ 1,059.3
Restructuring, Transaction, & Litigation costs	229.8					229.8
One-time PPA Charges	185.0		-		-	185.0
Policy Harmonization	91.6		-		-	91.6
Adjusted Results	\$ 1,169.5	\$	157.8	\$	238.4	\$ 1,565.7

