

# **Alstom Analyst Day**

Villeurbanne - France 30 March 2016



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This presentation contains forward-looking statements which are based on current plans and forecasts of Alstom's management. Such forward-looking statements are by their nature subject to a number of important risk and uncertainty factors (such as those described in the documents filed by Alstom with the French AMF) that could cause actual results to differ from the plans, objectives and expectations expressed in such forward-looking statements.

These such forward-looking statements speak only as of the date on which they are made, and Alstom undertakes no obligation to update or revise any of them, whether as a result of new information, future events or otherwise.



# Today's agenda

TIMING	TOPIC	SPEAKER	TITLE
10.15-10.30	Welcome coffee		
10.30-12.20	Introduction, market and strategy	Henri POUPART-LAFARGE Thierry BEST	Chairman and Chief Executive Officer Chief Operating Officer
12.20-12.40	Financials	Marie-José DONSION	Chief Financial Officer
12.40-12.45	Conclusion	Henri POUPART-LAFARGE	Chairman and Chief Executive Officer
12.45-14.00	Q&A session over lunch	Henri POUPART-LAFARGE Marie-José DONSION	Chairman and Chief Executive Officer Chief Financial Officer
14.00-14.20	Coffee break		
14.20-14.40	Signalling & Villeurbanne site	Pascal CLÉRÉ	Senior Vice-President Signalling (TIS)
14.40-16.30	Site visit		



## Agenda

- **1** Introduction
- 2 Railway market overview
- 3 Alstom 2020 strategy
- Alstom financials
- 6 Conclusion
- 6 Signalling & Villeurbanne site



### Activities: a complete range of solutions



- Tram, metro, suburban/regional, high speed, very high speed, locomotive
- Components: traction, bogie, motor





- Maintenance
- Modernisation
- Spare parts, repairs & overhaul
- Support services







- Signalling solutions portfolio for: main lines, urban, control and security
- Sold as products or solutions



SYSTEMS



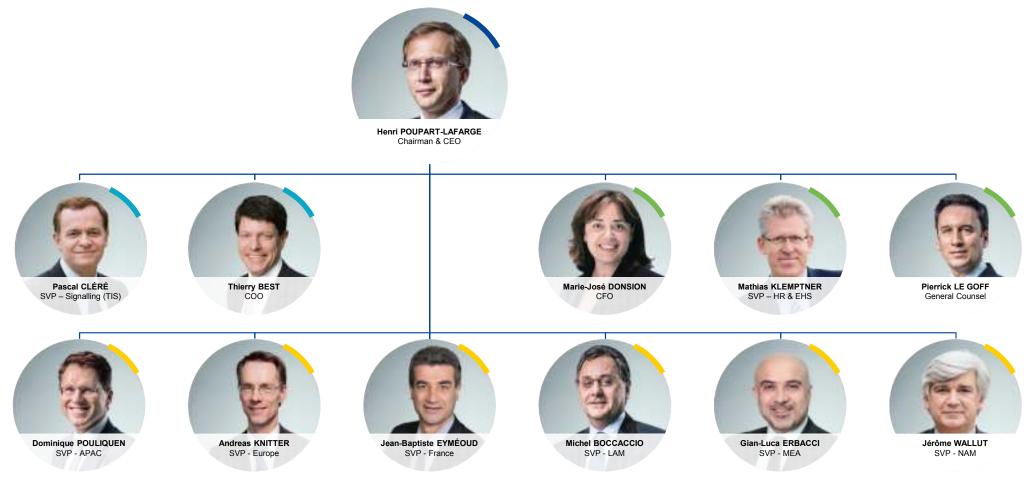
- Integrated solutions
- Infrastructure







### **Alstom Executive Committee**



ALSTOM - 30/03/2016 - P 6



### An ambitious strategy for 2020





### **Objectives**

# **2020 OBJECTIVES**

- Sales expected to grow at 5% per year organically
- Adjusted EBIT margin to reach around 7%
- **c. 100% conversion** from net income to free cash flow



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## Market: Solid long-term drivers



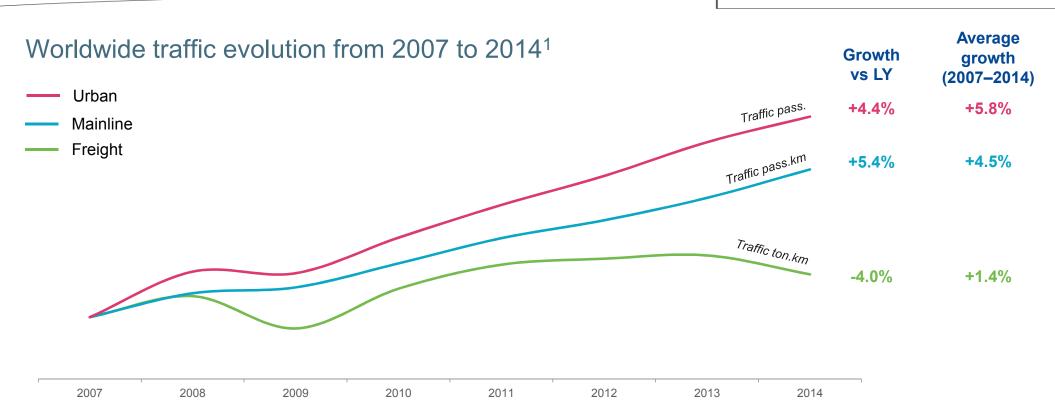








## Market: Railway traffic evolution



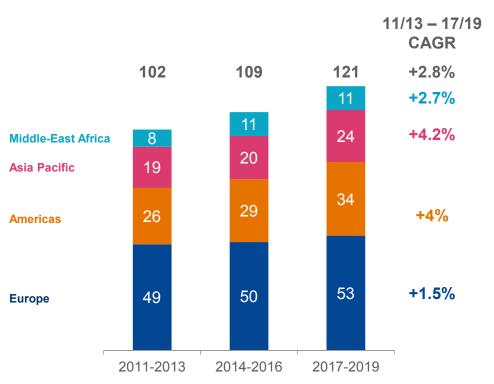
<sup>&</sup>lt;sup>1</sup> Urban traffic figures are for Top 30 cities worldwide; mainline & freight traffic figures are for all major national operators worldwide

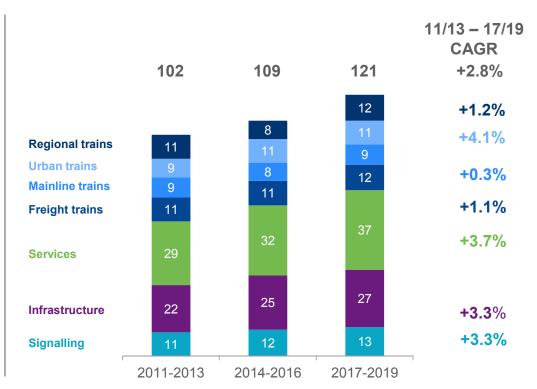
### Continued growth in urban and mainline with freight traffic more volatile



## Market: Growth in all regions; driven by urban

### Accessible market at € constant (€bn)





Note: Annual average – Accessible market Source: UNIFE Market Study 2014

**ALSTOM** 

## Customers: Market largely driven by public entities

	Various forms of public en	Others	
Customer type	Governments or public entities (regions, municipalities)	State owned entities/ national railway operators	Fleet owners and operators
Overview	Governments  Large integrated solutions contracts in mature markets  Local authorities  Urban/regional developments	National monopoly  Dominant market organization globally	Few active private players including  Fleet owners  Operators
Examples	Passenger Rail Agency of South Africa  Riyadh Development Authority  Chennai Metro Rail Limited  Nottingham City Council	SNOF TO DB	STAGECOACH Keolis porterbrook

Flexibility to adapt to various kind of public entities requirements



### Customers: Strong requests for localisation



Strong and increasing local content requirements which favours multi-local players



### Customers: Highly fragmented regulatory environment

A world of historically heterogeneous railway standards...



#### Other examples of heterogeneity:

- Load gauges (3 in Europe: UK, Spain, UIC)
- Power supply systems (5 in Europe)
- Signalling systems (>20 for mainline in Europe)
- Platform heights

...governed by many regulatory bodies

#### **Europe**

European Railway Agency



#### National Railway Agencies



#### **Examples**

**USA** Federal Railroad Administration USA standards



#### CIS

Euro-Asian Council for Standardisation, Metrology and Certification (EASC) GOST standard



#### International

International Union of Railways (UIC) UIC standards

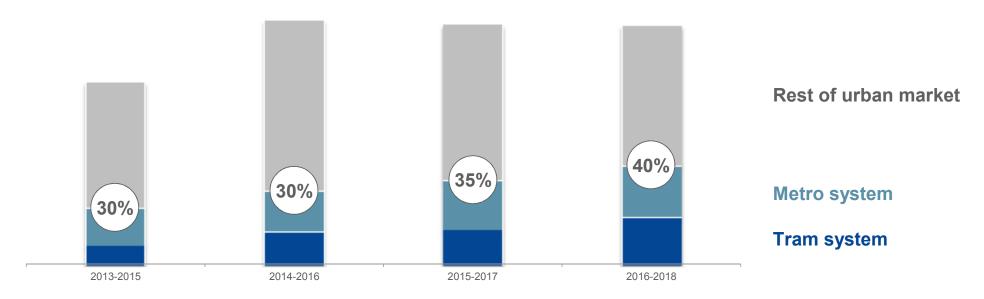


Flexible solutions and strong knowledge of local specificities as a must-have to overcome barriers to entry created by current local regulatory environment



### Customers: Urban projects largely achieved through integrated solutions

### System within urban market (annual average)



Source: Alstom estimation

Demand for suppliers demonstrating track record to successfully manage integrated system projects and benefiting from comprehensive offering



### Customers: Tackling increasing requirements through innovations

#### **Total cost of ownership**

- Reduce cost of maintenance and overhaul
- Energy saving equipment and program
- Asset life extension and availability
- Initial capex considered in light of the opex
- Optimisation of capacity and traffic

#### Safety, comfort and eco-friendly solutions



Continuously increase safety



 Provide customers with more innovative/efficient/price competitive and comfortable solutions



 Provide solutions in line with current environmental challenges

Customers looking for capex and opex optimisation while expecting more in terms of safety, performance and eco-friendly solutions



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### An ambitious strategy for 2020





## A strategy based on 5 pillars





## 1 Customer-focused organisation and multi-local presence

- 32,000 employees working on 105 sites in 60 countries serving 200 customers
  - Regions: close to customers, in charge of execution
  - Operational functions: global cohesion, processes and platforms

Support functions: finance, legal, HR global efficiency



### Being a reference player in each region



## Strategic partnerships and new sites around the world

Russia

TMH (trains)

Kazakhstan EKZ (locos)

**Algeria** 

CITAL (trams)

**France** 

Metrolab (R&D)

India

Chennai (trains)\*

France

NTL (trams)

**MEA APAC LAM** 

Systems & Signalling hubs\*

South Africa

Gibela

(suburban trains)

Kazakhstan

KEP (signalling)

India Bangalore\* **Turkey** 

Istanbul hub\*

Brazil

Taubaté\*

UK

SSL (Signalling)

India

Madhepura (locos)

Coimbatore\*

Sweden

Mottala (Services)

Russia

TMH (trains)

Kazakhstan

EKZ (locos)







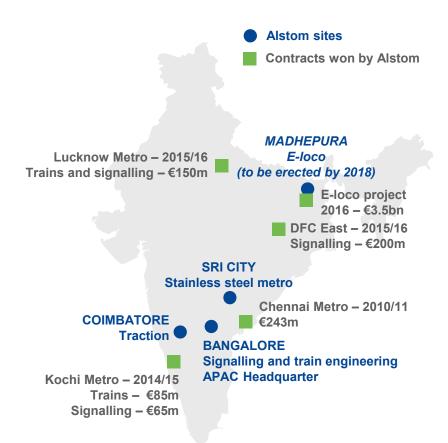
\* New Alstom sites

2011 2012 2013 2014 2010 2015

Solid, efficient and well-established network of partners and establishment of new sites to meet customers' growing demand for a local presence. c. €300m transformation capex expected over the next 3 years



# 1 Alstom in India



#### **Market trends**

- A large and booming market¹: €3.5bn p.a. market for trains, +15%/year
- Driven by:
  - urbanisation needs
  - investment in freight infrastructure
  - renewal of Indian Railways products

#### **Alstom in India**

Becoming #1 global player in the market

(1) Source: UNIFE Market Study 2014



## 1 Prasa project

#### Scope

- Design, manufacture and supply 600 trains for South Africa fleet renewal
- Parts supply & technical support for 19 years
- Gibela Joint Venture led by Alstom (61%), local factory, 65% average local content

#### Status

- First train delivered from Brazil end 2015
- Local factory construction started in March 2016
- First train to be manufactured in South Africa end 2017



Largest contract ever in Alstom history (c. €4bn), well on its way



## 1 Leader on all continents

### Our market share<sup>1</sup> (%) and ranking in 2015/16



Note: (1) Market shares and rankings based on FY 15/16 orders including Madhepura; (2) NAM market share and ranking exclude freight market; (3) Russia not included as market handled directly by TMH Source: UNIFE Market Study 2014; Official Financial Results; Alstom estimation

### Objective to reach critical size in each region (#1 or #2 where relevant)



## A strategy based on 5 pillars





# 2 Increasing demand for integration

Metro integrated system for Riyadh







**INTEGRATED SYSTEM** 

Traction of the Nanjing metro



COMPONENTS



Coradia trains (Regiolis) in France

INDIVIDUAL SOLUTION

INCREASING DEMAND FOR INTEGRATION

## 2 Urban trains



#### **■ Tramways**

- Citadis trams: more than 2,300 Citadis sold in more than 50 cities
- Translohr based-trams in 8 cities in the world
- Tram-trains: around 80 Citadis Dualis
   & 34 Citadis Spirit ordered

### **■** Metropolis metros

About 5,000 Metropolis cars sold since 1998

#### ■ X'Trapolis suburban trains

 More than 4,600 cars sold including 3,600 for the PRASA project in South Africa







## 2 Mainline trains



#### ■ Coradia regional trains

- More than 2,000 Coradia in service in 9 European countries & in Canada
- Coradia Liner V200 main line trains
- Avelia high-speed and very high-speed trains
  - More than 500 Pendolino ordered; certified in 14 countries
  - More than 700 very high-speed trains ordered including Euroduplex
  - 25 AGV in service

#### Locomotives

- Passenger: Prima KZ4AT, EP20
- Freight: Prima, KZ8A, 2ES5
- Shunting locomotives







## 2 Components



- Key critical components which act as key end-product differentiators
  - Bogies
  - Motors
  - Traction systems
  - Auxiliary
  - Etc.









## 2 Tailored services



#### **■** Maintenance

- 8,000 cars maintained
- **HealthHub**: new predictive maintenance offer

#### ■ Modernisation

• 10 modernisation centres around the world

### ■ Parts, repairs & overhauls

• 600,000 referenced train parts

#### Support services

- More than 700 trains connected
- 1,000 people trained every year







## 2 Case study: Northern Line

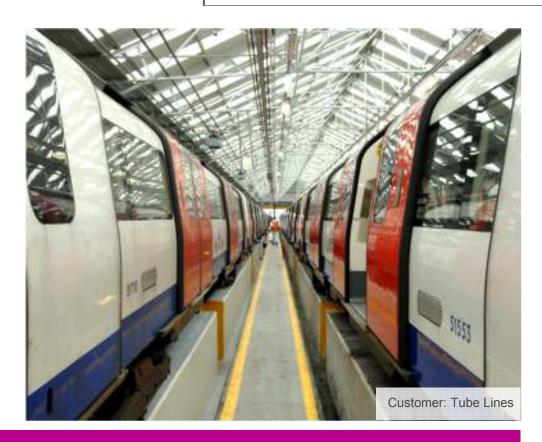


#### Scope

- 30 years maintenance contract
- 106 metro trains of 6 cars
- Full service provision
- Management of 2 depots

#### **■ Status**

- Availability: 97/106 trains
- Reliability: 48,621 km
- Mid-life refurbishment recently completed



### Every journey matters, every second counts



## 2 Unrivalled signalling solutions



#### ■ Urban

- Radio CBTC solutions:
   Urbalis and Tempo CBTC
- Tramway protection solution:Pegasus 101

#### ■ Main lines

• Atlas: ERTMS solution for 100% interoperable trains

### **■** Freight & mining market

 A position strengthened, notably in the United States

### ■ Telecom, security & control

- Security centres (stations, tracks, tunnels...)
- Iconis and RailEdge control centres

### ■ Passenger information







## 2 Integrated urban system to enhance efficiency





# Global approach

- Comprehensive solutions for optimised costs, reduced delivery times, optimal performance...
- No civil work
- Attractis: last integrated tramway system
- Axonis: 1<sup>st</sup> economical and quick-to-build metro system



- Track laying: Appitrack
- Electrification: APS, SRS, Hesop,
   Citadis Ecopack
- Electromechanical: stations & depots







## 2 Case study: Dubai tramway system



#### Scope

 Fully integrated tramway solution incl. trains, signalling, infrastructure and 13 years maintenance contract

#### ■ Status: already a success

- Availability and punctuality above 99.5%
- Robust operation under heavy rain and sand storm
- Up to 30,000 passengers / day at peak



### A fully integrated world premiere



## 2 Case study: Riyadh lines 4,5 & 6 metro system



#### Scope

- 69 driverless Metropolis trains
- Signalling system
- Infrastructure: third rail and track, using Appitrack and power supply incl. Hesop substations

#### ■ Status

 Train production started in Katowice in Nov. 2015



First driverless metro in Saudi Arabia and biggest contract ever for an urban system project (€1.2bn)

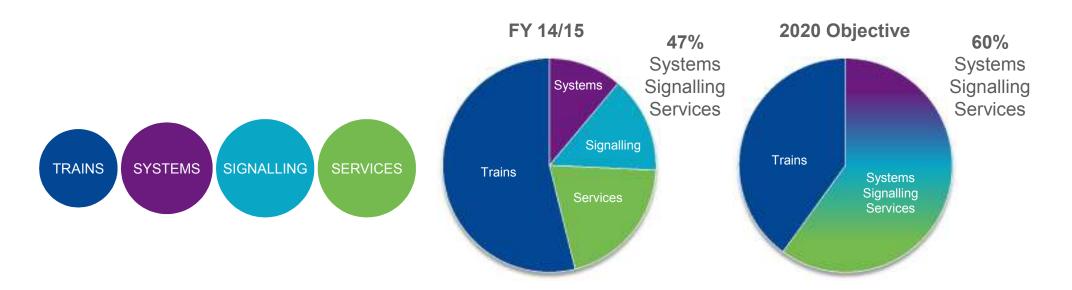


2 Towards more systems, signalling & services

### Grow towards more profitable activities

■ Profitability today

■ Systems, services & signalling (% of total sales)



Systems, signalling & services to represent c. 60% of sales by 2020

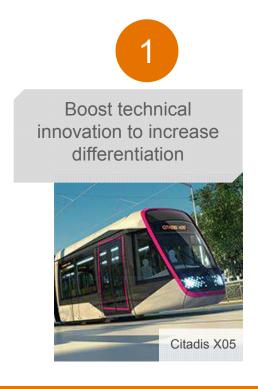


### A strategy based on 5 pillars





# 3 Staying a step ahead







An R&D strategy focused on differentiation and competitiveness
Sustain R&D expenses and reach 30% of total orders coming from newly developed products by 2020



# Main innovative programmes



#### **Complete renewal of the ranges:**

- Citadis Spirit, Citadis X05
- New range of standard metro
- Avelia range
- Zero emission train
- Silicon carbide (SiC)







- HealthHub
- Predictive maintenance







- Atlas, main lines ERTMS
- Urbalis, CBTC
- ATO, geolocalisation, 4G



SYSTEMS



- Axonis metro system
- Attractis tramway system
- Hesop, reversible power-supply substation







# 3 New range of standard metro

### **■ Product Description**

- Full product range: 5,000+ configurations, aluminum and stainless steel
- New carshell concept with pre-fitted modules and final bolted assembly
- New auxiliary converter SiC

#### Benefits

Around 20% costs savings





# 3 Evolution of Avelia range

- Very high-speed train of the future programme
  - 750 seats
  - -35% energy consumption
  - Optimised maintenance cost
- JV SpeedInnov with ADEME





# 3 Passenger experience

### **■** Key for our clients

- Digital world with new behaviors and needs
- Multimodal competition

#### **■** Alstom innovation

- Multimodal communication, comfort, lighting, acoustics, passenger information...
- Collaborative development with clients : innovation partnerships, hackathon...

#### **■** Differentiator





# 3 An ecosystem of innovation and creativity

- Collaboration with **research centres** (SystemX, IMS...)
- Collaborative reflections with Alstom suppliers and operators (RATP, SNCF, ADEME...)
- Annual internal contest: I NOVE YOU







### A strategy based on 5 pillars





# 4 Operational excellence

### **■** Competitive offering

- Sourcing
- Global footprint

### **■** Excellence in delivery

- Global business transformation underway
- Strong project management skills

### **■** Cash focus programme

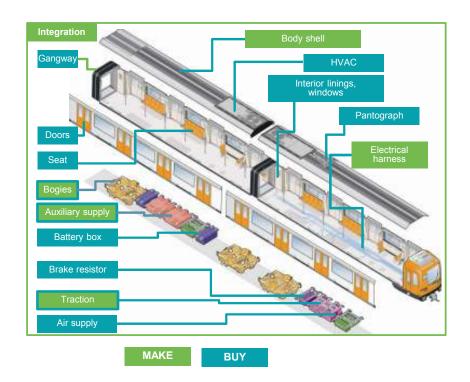




Operational excellence, at the heart of Alstom strategy,
 to remain competitive while supporting margin improvement



# 4 Competitive offering: Sourcing contribution (1/2)



- 60% of Alstom products cost are purchased
  - c.€4bn external supplies

### Partnership

- 90 global partners (50% of the spend), able to follow Alstom worldwide
- 750 suppliers covering 80% of the spend

### Sourcing, a key cost reduction driver



# 4 Competitive offering: Sourcing contribution (2/2)

#### ■ Volume

- Bundle approach: different products under one negotiation
- Total cost of ownership: improve full product life cycle cost under one negotiation and protect our margin on after sales

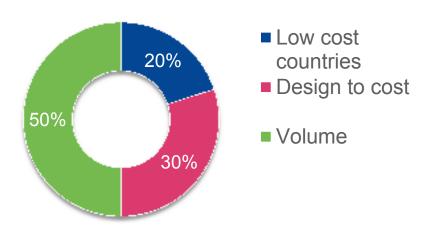
#### Design to cost

• Catalogue approach: on sub-systems: HVAC, doors, etc.

#### **■** Low cost countries

 Steady increase of sourcing volume in India: €300m objective in 2020 (vs €25m in 2014/15)

#### Savings per lever

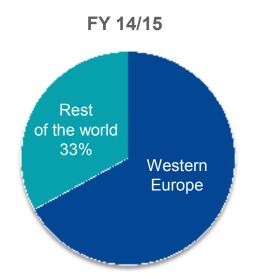


### Objective to increase sourcing savings to €250m /year (cost to complete)



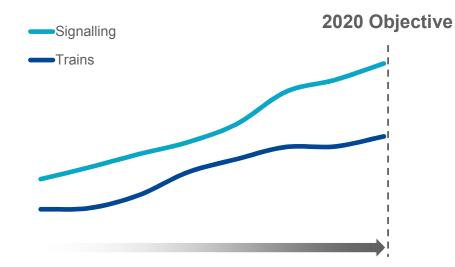
# 4 Competitive offering: Global footprint

Worldwide trains manufacturing





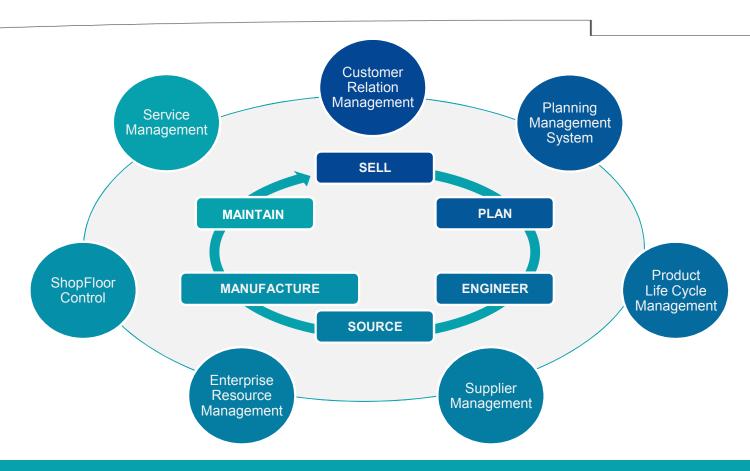
Bangalore (India) engineering center ramp up



Rapid growth of global manufacturing and engineering capabilities
 Adaptation to workload in Europe



# 4 Excellence in delivery: Business transformation

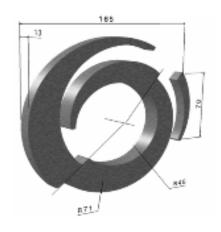


Numerous initiatives launched to optimise & unify business processes



# 4 Excellence in delivery: Examples

■ 3D Master



Alstom production system



New electrical organisation



Manufacturing execution system



New process & tools for all functions: engineering, manufacturing, etc.



# 4 Excellence in delivery: Project management

### **Key practices**

- Anticipation before tendering
- Stringent Go / No Go decision
- Rigorous transfer from tender to project (tender transfer meeting)
- Management involvement (winning roadmap, monthly project review, global project review)

#### **Results**

- 1. Intense activity
  - 20 tenders per month
  - 3 months average per tender
  - c.450 major contracts in execution
- 2. Hit rate: [30-40] %

### Strong project management skills from tender to execution



# 4 Cash focus programme

#### **Main levers**

#### ■ Terms and conditions

- Level of down payment now stabilised
- **Design to cash** actions such as:
  - Planning of supplies
  - Manufacturing lead-time
  - Inventory management, ...

#### **Key practices**

- Worldwide training (e.g. sales community)
- Upfront review of cash information, from the anticipation phase
- Regular meetings during project execution

### **Example**

 Time to market of new standard metro: 12 months (actual 15 months)

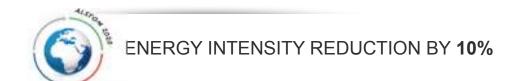
### Strong management actions in place to optimise working capital



### 4 Environmental excellence

#### **■ Improve our environmental footprint**

- Continue our efforts on energy saving, waste and CO<sub>2</sub>
- ISO 14001 for all operational units with more than 200 people



### **■ Improve energy consumption for solution**

 Better sizing and energy consumption measurement



**ENERGY CONSUMPTION REDUCTION BY 20%** 

# Safety at work

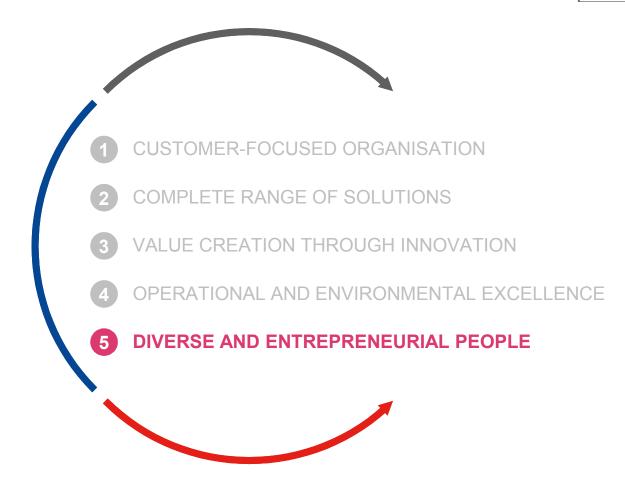


- Alstom Zero Deviation Plan
- Zero Severe Accidents on High Risk Activities





### A strategy based on 5 pillars





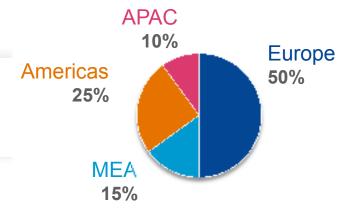
# 6 A culture based on diversity & entrepreneurship

- **Diversity** in terms of gender, generation, nationality, social and cultural background...
- Training plans, development programs...



#### 25% WOMEN IN A MANAGEMENT OR PROFESSIONAL ROLE





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### Sharing a common culture of ethics and values



- Ethics & Compliance (E&C)
  - Certified procedures
  - A Code of Ethics and an Integrity Programme applicable to each and every employee around the world



■ Team, Trust and Action



### An ambitious strategy for 2020





### Organic growth boosted by small to mid-size selective acquisitions

1

**Drive international expansion** 

2

Develop profitable new solutions & high technology content products

3

Consolidate Alstom leading positions through bolt-on acquisitions

#### International targets acquisition:

- Small add-ons acquisitions to nurture and strengthen regional strategy
- Mid-size deals to reach critical size for full deployment of global strategy
- Technology driven M&A and selected partnerships
  - Strengthen Alstom innovation leadership
- Opportunistic M&A potential through bolt-on acquisition
  - Reinforce Alstom leading positions



### GE signalling integration underway

#### Overview

- Provider of signalling products and solutions, both freight (60%) and passenger (40%)
- Benefits: access to freight signalling market and reinforcement of position in Americas
- Key data
  - Around 1,200 people
  - 15 facilities over the world
  - c. €60m sales for 2 months

- Integration since 2 Nov. 2015, well anticipated:
  - Business continuity: no disruption (customers, suppliers, employees)
  - Business integration: organisation, tools migration, deployment roadmap
  - Value creation: new portfolio, operating models, synergies



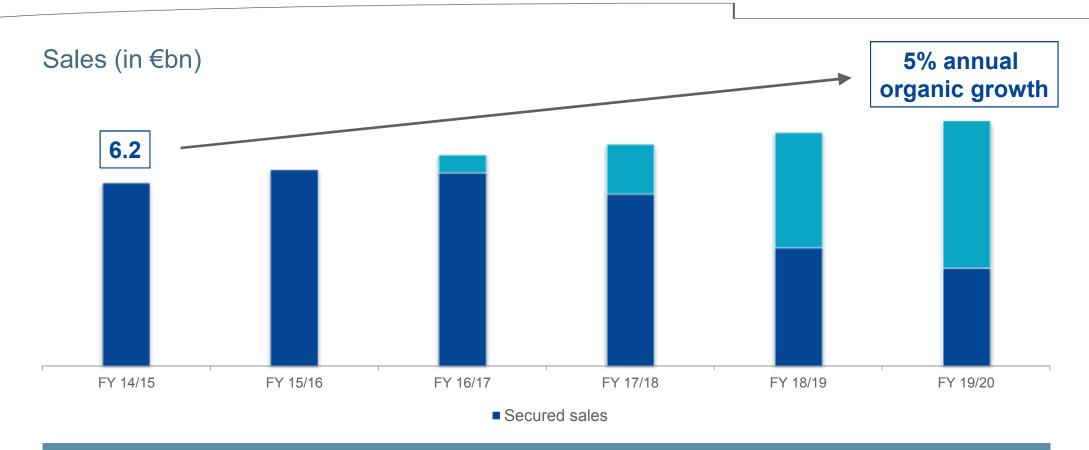


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### Sales evolution

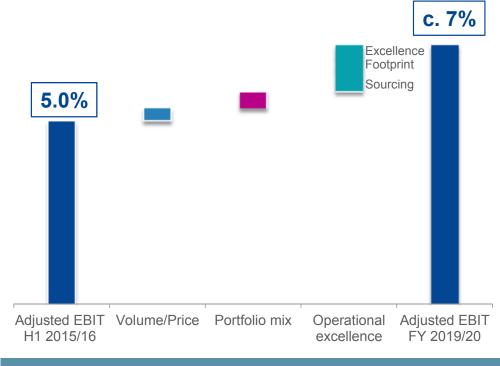


Current backlog of c.€30bn providing strong visibility on future sales



### Progressive margin improvement

#### Adjusted EBIT margin (in % of sales)



#### Volume/Price

- Cost absorption driven by solid top-line growth
- Partly offset by price dynamics and competitive environment

#### Portfolio mix

- Growth towards more profitable activities
- Services, signalling, systems to represent c. 60% of sales in 2020

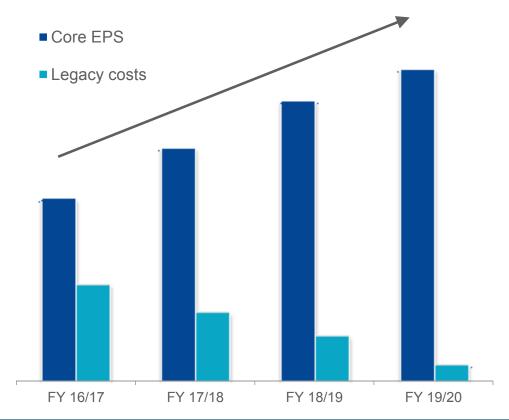
#### **Operational excellence**

- Sourcing savings
- Global footprint
- Excellence in delivery with solid project execution

### Adjusted EBIT margin to reach around 7% in 2020



### EPS normalising over the period

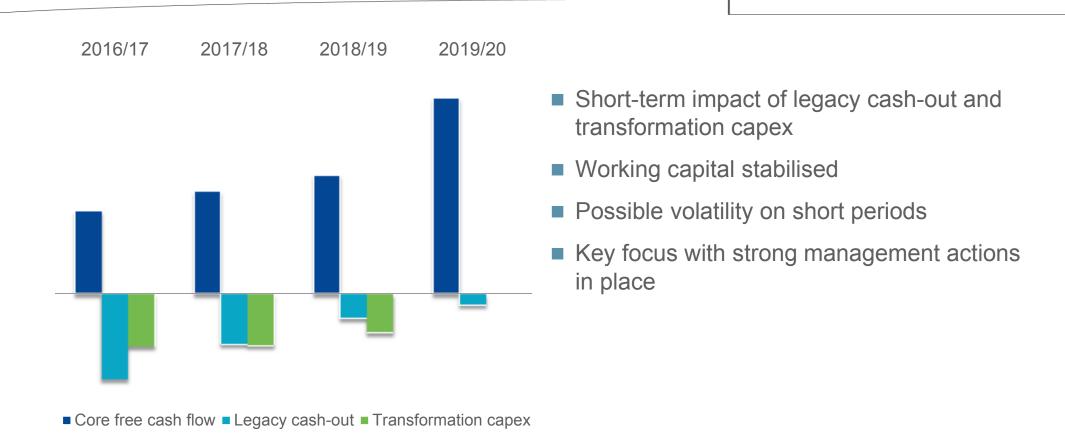


- EPS impacted by legacy costs derived by GE transaction
- Legacy costs include IS&T costs, legacy gross debt costs, tax rate normalisation period
- Afterwards, EPS evolution expected to be in line with Alstom top-line performance and margin expansion
- Energy JVs not included

Transformation period to leverage new market conditions. Normalisation afterwards



### Cash conversion objective



### c. 100% FCF/net income conversion in 2020



### Financial capabilities well-geared for transformation strategy

#### Solid balance sheet

- Strong equity and liquidity position to sustain 2020 objectives
- Bonding lines secured to support commercial ambitions
- Additional flexibility with put options in the 3 JVs

### Rigorous financing policy

- No vendor financing
- Export credit agencies to support commercial efforts
- Systematic hedging of main contracts



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### An ambitious strategy for 2020



**ALSTOM** 

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### Signalling overview





### Key Data

- 7,000 employees in 14 regional centers
- Leader in interlocking installed base
- Leader in ERTMS wayside and train borne
- Leader in metro CBTC installed base

### Highlights

- Extensive portfolio for urban and mainline, both passenger and freight
- Solid references and proven reliability
  - 79 metro lines with CBTC solutions in 38 cities
  - ERTMS in 23 countries with 70% of on-board equipment in service
  - GPS-based PTC in both passenger and freight rail applications



### A complete range of signalling solutions



An extensive product portfolio serving urban and mainline (freight & passengers)





### Urban signalling: Improving network safety & fluidity



#### ■ Urban

- Urbalis: signalling solution for higher capacity with minimal headway
  - 25% of all radio CBTC solutions in operation
- Tempo CBTC

### ■ Telecom, security & control

- Pacis security centres (stations, tracks, tunnels...)
- Iconis and RailEdge control centres
- Pegasus 101 tramway protection solution



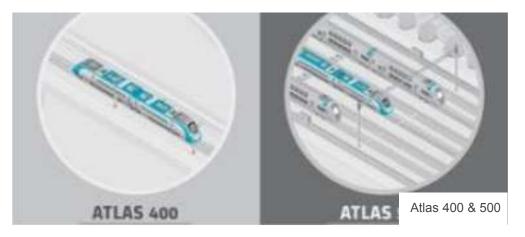




### Main line signalling for passengers and freight lines



- ERTMS proven solution: **Atlas** 
  - 100% interoperable trains
  - #1 worldwide with 70% of on-board equipment in service
- Positive Train control solution: ITCS
- Telecom, security and control
  - Iconis scalable & modular control centre solution.
  - RailEdge
- Interlocking
  - Smartlock range
  - ElectroLogIXS, electronic Interlocking
  - VHLC, Vital logic controller
- Track product (point machine, level crossing, axel counter)







### Case study: Albacete-Alicante



#### Scope

- 22 years design, build, finance and maintain contract
- Alstom supplying ERTMS level 2 and signalling for 165km line

#### Status

Contract signed in 2011, in service in 2013



### An innovative ERTMS PPP project in Spain



# Villeurbanne: Key facts

- 880 permanent employees
- 100,000 finished goods delivered each year
- 22,000 electronics products realized every year for Services activity
- More than **40 R&D** programs
- **600** products in our catalogue
- A **new building** since August 2015



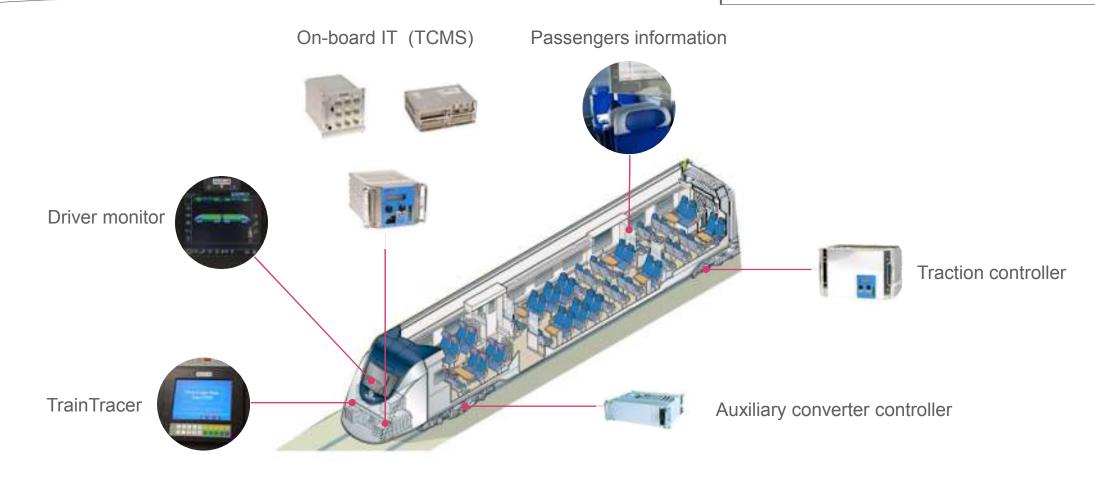






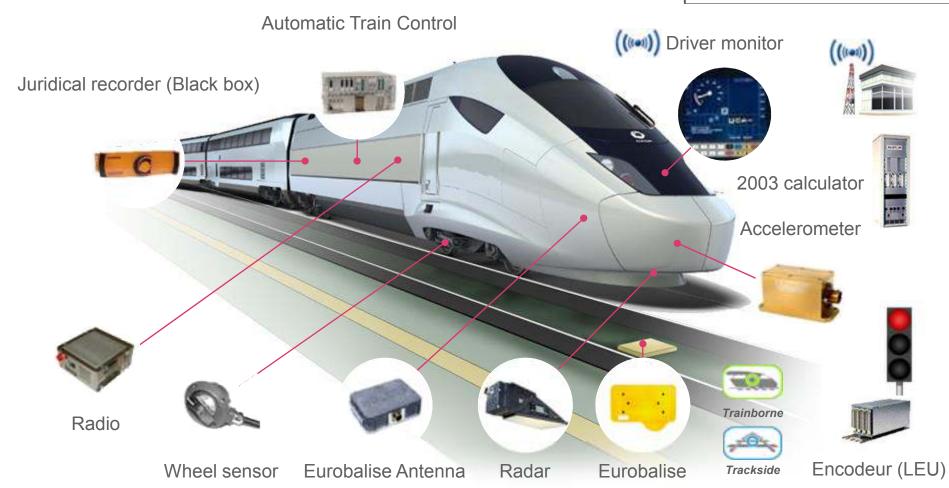


# Villeurbanne: Our products On-board electronic systems





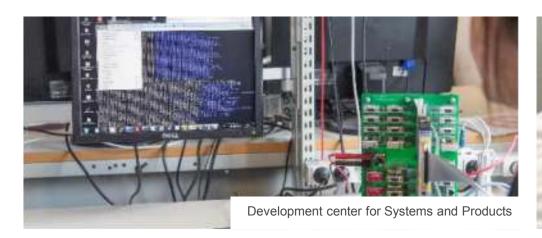
# Villeurbanne: Our products Signalling systems



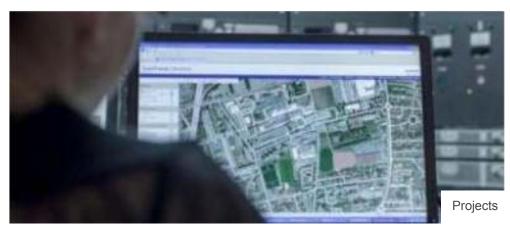




### Villeurbanne: Activities













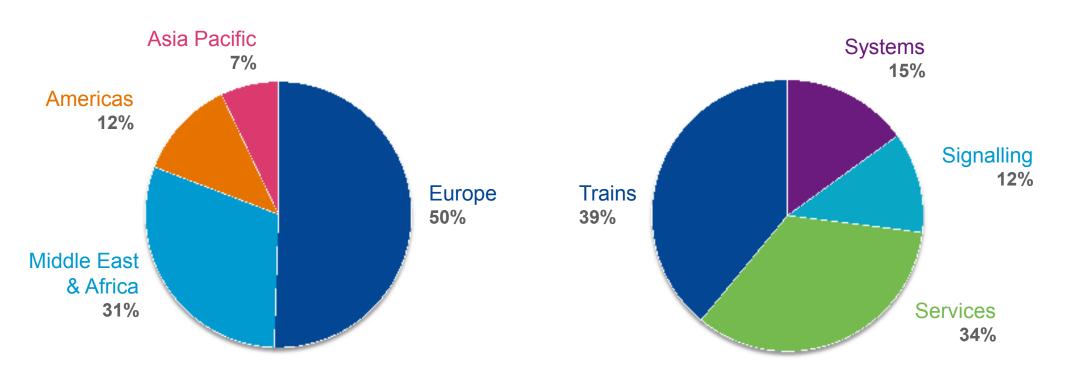


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# Orders backlog

### Breakdown as of end Sept. 2015



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# Orders & Sales geographic breakdown

Orders received by destination (in €m)	FY 2013/14	FY 2014/15	H1 2015/16	9M 2015/16
Total	6,148	10,046	3,897	6,255
Europe	2,543	2,811	1,417	3,260
Americas	1,459	980	834	1,080
Asia Pacific	381	1,141	602	886
Middle-East & Africa	1,765	5,114	1,044	1,029

Sales by destination (in €m)	FY 2013/14	FY 2014/15	H1 2015/16	9M 2015/16
Total	5,726	6,163	3,303	4,916
Europe	3,808	4,255	1,983	3,007
Americas	702	739	501	723
Asia Pacific	453	449	364	507
Middle-East & Africa	763	720	455	679

Note: Kazakhstan and Azerbaijan moved from Europe to Middle-East Africa

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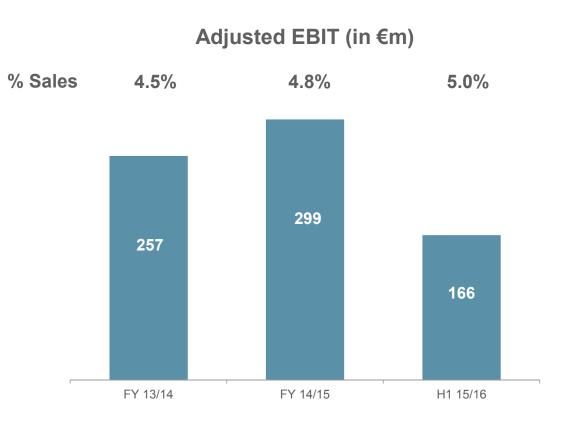
# Orders & Sales product breakdown

Orders received by destination (in €m)	FY 2013/14	FY 2014/15	H1 2015/16	9M 2015/16
Total orders	6,148	10,046	3,897	6,255
Trains	1,693	4,968	1,643	3,122
Services	1,510	2,425	780	1,150
Systems	2,319	1,386	524	887
Signalling	608	1,264	949	1,095
Other	18	3	1	1

Sales by destination (in €m)	FY 2013/14	FY 2014/15	H1 2015/16	9M 2015/16
Total sales by destination	5,726	6,163	3,303	4,916
Trains	2,868	3,308	1,565	2,320
Services	1,137	1,251	792	1,162
Systems	805	683	430	636
Signalling	871	897	505	785
Other	45	24	12	13



### Adjusted EBIT definition



#### Rationale

New KPI to align with market practice

#### Definition

- Adjusted EBIT corresponds to Earning Before Interests, Tax and Net Result from Equity Method Investments adjusted with:
  - Net restructuring expenses
  - Tangible and intangible assets impairment
  - Capital gains or loss/revaluation on investment disposal or control change on an entity
  - And any other non-recurring items, i.e. "oneoff"/exceptional items that are not supposed to be reappearing in following years and that are significant



### Income statement

		1	
(in €m)	FY 2013/14	FY 2014/15	H1 2015/16
Sales	5,726	6,163	3,303
Adjusted EBIT	257	299	166
Adjusted EBIT %	4.5%	4.8%	5.0%
Restructuring	(48)	(106)	(14)
Assets impairment	(20)	(54)	(78)
Capital gains/losses	-	-	37
Other exceptional	(27)	(760)	(10)
EBIT	162	(621)	101
Financial result	(159)	(137)	(86)
Tax result	94	8	(2)
Share in net income of equity investees	70	(64)	13
Minority interests from continued operations	(7)	(9)	(8)
Net Income – Continued operations	160	(823)	18
Net Income – Discontinued operations	396	104	(75)
Net Income – Group share	556	(719)	(57)

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### **Energy JVs**

	GRID	RENEWABLE POWER	NUCLEAR & FRENCH STEAM
Share in capital	50% - 1 share	50% - 1 share	20% - 1 share*
Acquisition price	c. €1.7bn	c. €0.6bn	c. €0.1bn
Liquidity rights	<ul> <li>Sept. 2018 or Sept. 2019 **</li> <li>Exit price not to be lower than acquisition price +3% per</li> </ul>		<ul> <li>For 3 months after the 5<sup>th</sup> and 6<sup>th</sup> anniversaries of the joint venture**</li> <li>Exit price not to be lower than acquisition price +2% per year</li> </ul>

<sup>\*</sup> Specific governance rights for the French state

- Energy JVs to be reported in the share of net income from equity investees
- Put options exit price locked-in



<sup>\*\*</sup> I.e. starting Nov. 2020. Under certain conditions



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