



Agenda

> Introduction

Henri Poupart-Lafarge, Chairman and Chief Executive Officer

> Rolling Stock and Components

Danny Di Perna, Executive VP and Chief Operating Officer

> Stabilise

Danny Di Perna, Executive VP and Chief Operating Officer

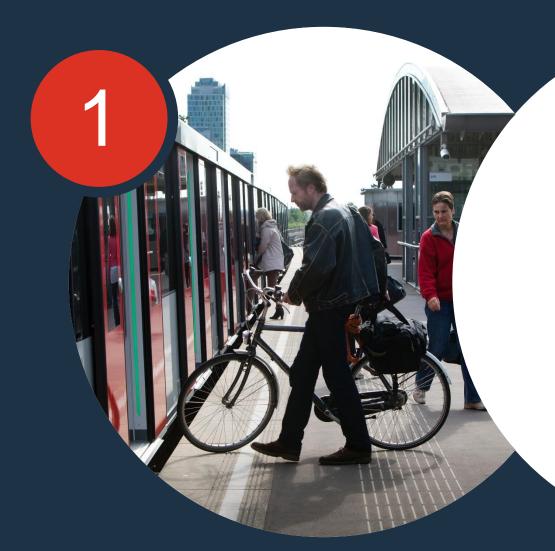
> Integrate

Benjamin Fitoussi, President Rolling Stock and Components - Development & Operations

> Transform

Benjamin Fitoussi, President Rolling Stock and Components - Development & Operations

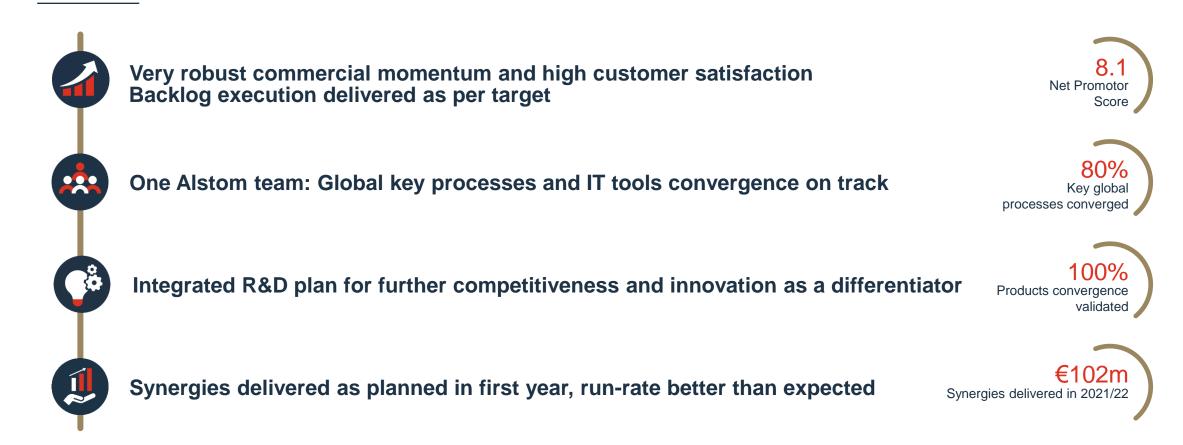
Questions & Answers



Introduction

Henri Poupart-Lafarge, Chairman and Chief Executive Officer

A successful first year integrating Bombardier Transportation, setting foundation for effective turnaround



Integration acceleration, synergies on-track and confirmed financial trajectory

Our One Alstom team at the heart of our journey

A SUCCESSFUL FIRST YEAR OF INTEGRATION

1 million

connections to our learning platforms in 6 months

86%

employees are aware of the new Alstom Values¹



employees are proud to work for Alstom¹

SOLID PEOPLE FOUNDATION AND A GREAT DYNAMIC

- An attractive employer, with 9,000 permanent new hires in 2021/22
- A learning organization grooming talents and reaching 4,500 experts & +750 internal trainers













Services

Our strong order booking demonstrates customer confidence

€4.2 BILLION OF SERVICES ORDERS BOOKED IN 2021/22



DALLAS (10 YEARS OPERATION & MAINTENANCE - US)



TRANSDEV (10 YEARS MAINTENANCE SUPPORT - France)



SANTIAGO M7 (20 YEARS FULL MAINTENANCE – Chile)



METROLINX (94 BiLevel OVERHAUL - Canada)

... SECURING FUTURE SALES AND MAINTAINING GROWTH





ILLUSTRATION OF LONG TERM PARTNERSHIP: METROREX (Romania)



Since 2004

MAINTENANCE AND OVERHAUL

- Over 60 different types of refurbishment
- Increasing train availability from 56% to 99.96%

Contract renewed in 2022

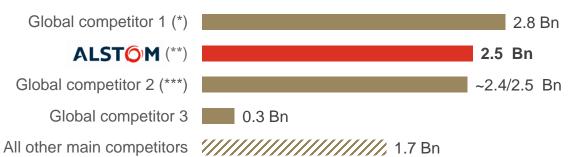
15 YEARS FULL MAINTENANCE AND OVERHAUL

- 82 Metro trains
- 8.5 million km per year in average

Signalling Progressing well, in line with our ambition

#2 IN A MARKET UNDER CONSOLIDATION

In € - Sales linked to all Signalling activities (estimated)



Accessible UNIFE market for European Companies (70% of total market, excluding Russia, China) (*) Proforma figure based on Alstom estimation and FY 2021 results for Global competitor 1 (subject to EU approval and pending closing of M&A transaction) (**) including Signalling activities into Systems (***) Alstom estimation

STRONG COMMERCIAL ACHIEVEMENTS IN 2021/22

- Mainline: Cambridge (UK), Bursa

 Yenisehir

 Osmaneli (Turkey), Stuttgart (Germany)
- Supporting new products for Urban CBTC: Urbalis Fluence* introduced through Grand-Paris L18 (France) & Torino L1 (Italy)
- Captured long-term service contract: BHP Billiton (Australia)

CONVERGING PRODUCTS AND SOLUTIONS CONVERGENCE



^{*} Urbalis Fluence, train-to-train communication based control system, world-first implementation for Métropole Européenne de Lille

Turnkey

Sustain our leadership and deliver strong results

STRONG MARKET DRIVERS

- Strong underlying urban railway transportation market
- Increasing complexity of railway solutions
- New turnkey projects in some emerging countries

ALSTOM'S KEY ASSETS

- Metro Turnkey leader for several years
- Proven track record in system integration and optimization activities
- Largest portfolio of solutions on the market
- Bundling with long-term service contracts
- Established local partners network (e.g. Tren Maya & Tel Aviv tram)



STRONG ACHIEVEMENTS IN 2021/22

- Strong commercial performance with record order intake and 100% hit rate
- Back on the tram Turnkey market preferred bidder of Tel Aviv Green Line
- **Automated People Mover brownfield solid commercial performance** (Miami, Tampa, Atlanta)





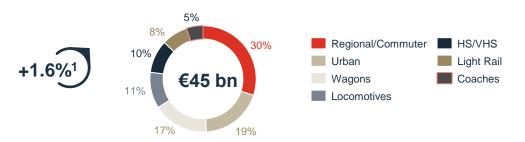
Rolling Stock and Components

Danny Di Perna Executive VP and Chief Operating Officer

Alstom is the market leader in Rolling Stock & Components

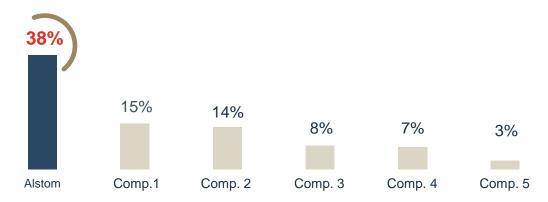
RSC IS A LARGE AND STEADY MARKET

UNIFE accessible market 2020-2022 (WRMS 2020) – Average in € Bn / year



ALSTOM: A CLEAR RSC MARKET LEADER

RSC Market shares 2019-2021, in % including turnkey share



RECENT WINS



AUSTRALIA

100 Flexity™ low-floor Next
generation Trams

€700 MILLION



SWEDEN
25 Zefiro Express high-speed trains
€650 MILLION



NORWAY
30 Coradia Nordic™
€380 MILLION



CHILE

37 Metropolis™ trains, signalling system and 20-year maintenance

€355 MILLION



GERMANY
130 Coradia Stream™
inter-regional trains and
30-year maintenance
€2.5 BILLION



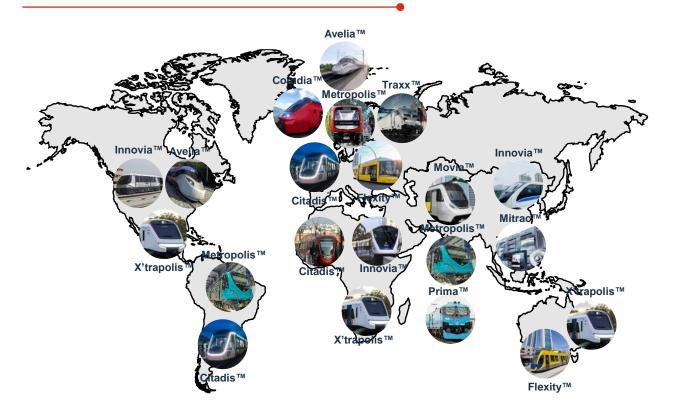
HS2 Very high Speed 54 trains & 12-year maintenance €1.1 BILLION



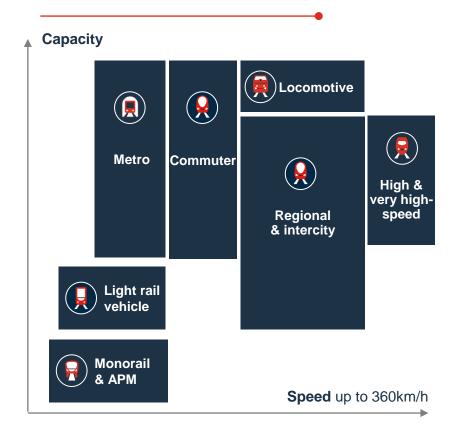
^{1.} CAGR of 1.6% based on 2020-2022 to 2023-2025 period

An industry leading product portfolio

PLATFORM & TECHNOLOGIES ENABLE CUSTOMISATION & STANDARDISATION



COVERING ALL SEGMENTS



A significant installed base : ~30% of global installed fleet



Component building blocks drive competitiveness and product performance

COMPLETE SPECTRUM OF GREEN & CLEAN SOLUTIONS











BROADEST COMPONENT PORTFOLIO IN THE INDUSTRY







VERTICALISED WITH SELECTIVE M&A



Vertical integration of core components and key technology bricks to further leverage service business & enhance competitiveness



- Brakes pads specialist (major consumable)
- Disk brakes specialist



Medium power H₂ fuel cell specialist allowing Alstom to master this key technology brick throughout its whole lifecycle



A unique global-local presence and capability

WORLD-CLASS COMPETENCIES

WELL BALANCED CAPABILITIES BETWEEN
CUSTOMER PROXIMITY AND COST COMPETITIVENESS

+50 Production sites in 22 countries

24m hours manufacturing across all key regions

16m hours
engineering
delivered in our
Excellence hubs





Technology investments targeted for a greener, smarter and more inclusive mobility

KEEPING THE EDGE IN ZERO EMISSION SOLUTION

 Partnership to decarbonise freight with an H2 solution



First battery train tested in passenger operation with Deutsche Bahn



 Hybrid Régiolis tested in France -20% Energy consumption

OPTIMIZING TOTAL COST OF OWNERSHIP

 Avelia Horizon under dynamic test in H2 2022 in Velim test center

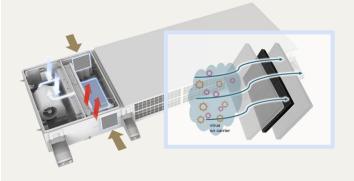


+20% Capacity

-20% Energy consumption

ENHANCING PASSENGER COMFORT

 PEPA™ filter, an antiviral HVAC filter that catches and kills viruses, including the coronavirus



-99.8% Virus reduction

-99.9%
Bacteria reduction

Unrivalled core R&D capabilities



Ambition to grow profitability and strengthen our leading market position

GROW PROFITABLY AND DELIVER TO CUSTOMER COMMITMENTS

Market share target by FY2024/25

+3 to 4pp

aEBIT target by FY2024/25

High single digit



STRATEGIC ORIENTATION AND KEY INITIATIVES

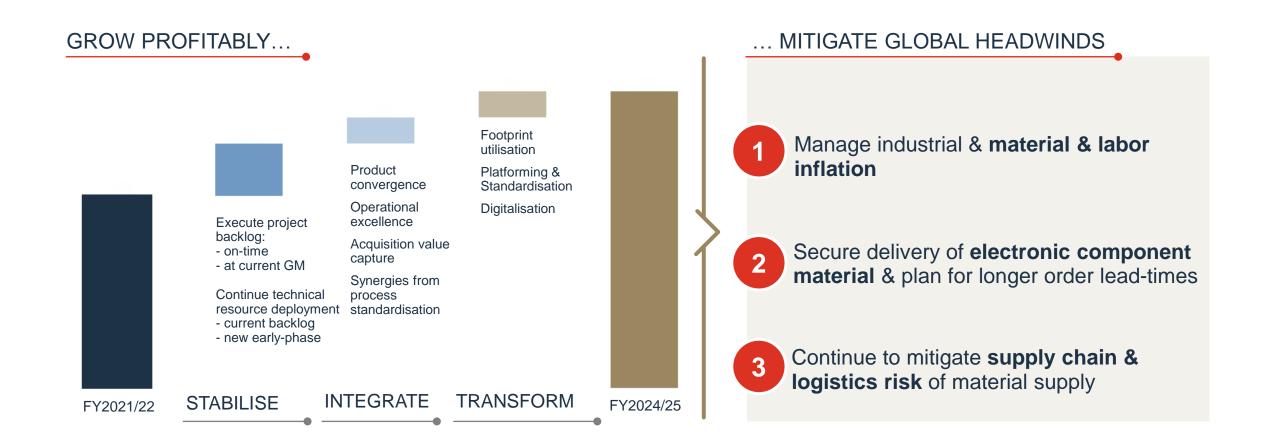
PLATFORMS

- Platforming standardisation & components building blocks
- Tendering focused on optimizing design solutions driving profitable growth
- Green mobility innovation and technology roadmap

DEVELOPMENT & OPERATIONS

- Leverage best-cost engineering hubs & manufacturing sites
- Cost reduction enabled with new supply chain scale
- Use Design-to-Cost methodology for design efficiency
- Adherence to Quality Gate process

A clear path towards growth and profitability restoration



Three steps to get to high single digit aEBIT by 2024/25



Process rigour and execution focus create value for customers and stakeholders







STABILISE Turning around difficult projects

Danny Di Perna Executive VP and Chief Operating Officer

A Rolling Stock and Components backlog of €41bn, comprising ~130 active projects



PROJECT BACKLOG BREAKDOWN PER SEGMENT



26 ~€3_{bn} projects backlog



Regional

~€10_{bn} backlog projects



Urban

26 ~€7_{bn} projects backlog





~€5_{bn} projects backlog



Commuter

~ €12_{bn} 22 backlog projects





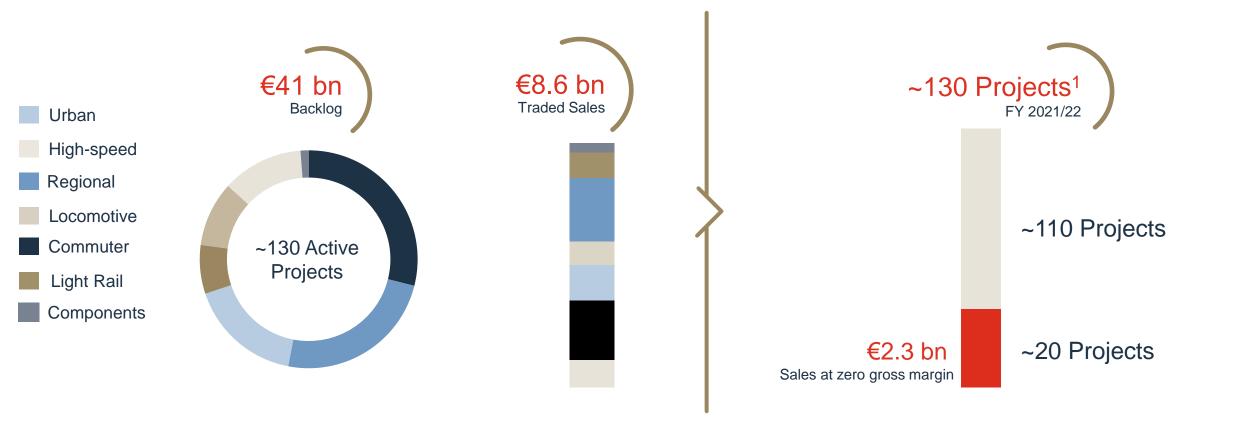
~€4_{bn} backlog projects



~130 projects screened to define actions for turnaround

FY2021/22 key Rolling Stock and Components backlog and sales information





A portion of the backlog needs technical expertise and project management support

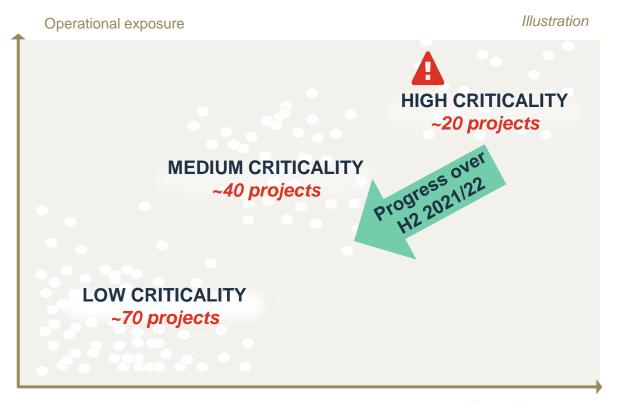
^{1.} Projects with Residual Value above €50m as of 31 March of 2022

A comprehensive portfolio risk assessment completed





130 PROJECTS THOROUGHLY ASSESSED (H1 2021/22)



Financial exposure



- Incomplete or partial compliance in requirements management process
- Inadequate project planning, scheduling and gate management process
- Resource and competencies not sufficiently focused on critical project execution
- Supply management more focus on requirements and quality control
- Product policy not sufficiently aligned to meet customer requirements



Project stabilisation action plan deployed with expert task forces



TASK FORCE EXPERT GROUPS LAUNCHED



Inject development experts



Review all customer requirements



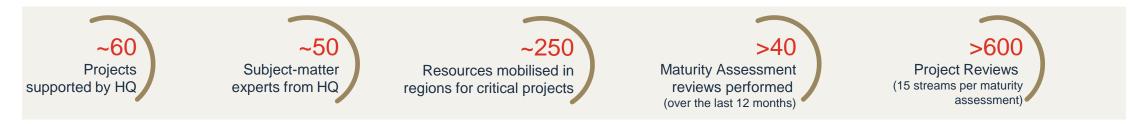
Align project scheduling and resources



Enforce Design for Quality and Project Management standards



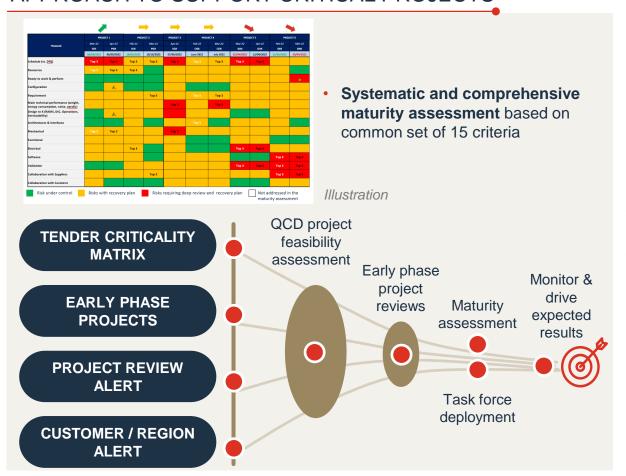
Punctual support on demand and extensive visibility on critical project progress



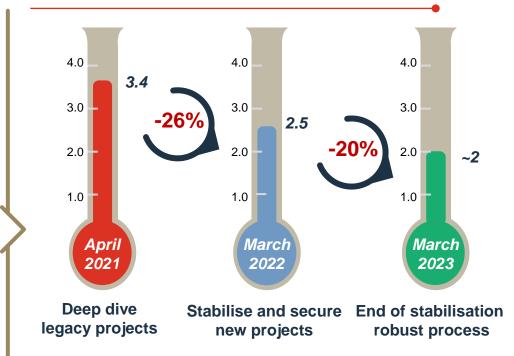
Systematic process and actions deployed to reduce project risks are yielding results



APPROACH TO SUPPORT CRITICAL PROJECTS



RISK CRITICALITY INDEX EVOLUTION



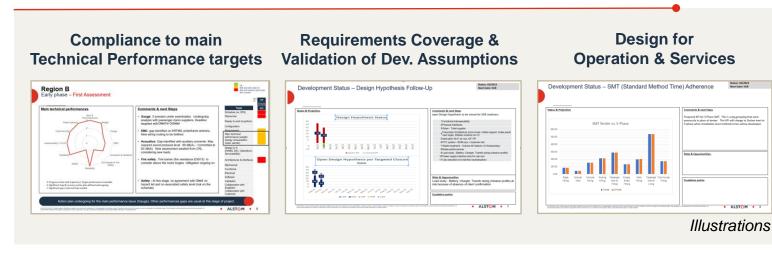
Risk Criticality Index score methodology

- 1: Project on track as per requirements and plan
- 2: Minor gaps impacting project objectives with a secured action plan
- 3: Significant gaps impacting project objectives
- 4: Project schedule and financial performance not to plan

Project Management best practices being deployed on all new projects



LEVERAGING STANDARD DEVELOPMENT PROCESS TOOLS...



...AND LESSONS LEARNED FROM DIAGNOSIS AND PROBLEM SOLVING

- Project staffing core team
- **Contract** awareness
- Savings review
- Risk & Opportunities review

- Establish clear KPIs dashboard
- Configuration management discipline
- End-to-end project schedule optimization
- Validation strategy optimization

CLEAR OBJECTIVES



Video

Keywords which will appear on the screen

Stabilisation on tracks

VALIDATED WITH PIERRE MIRAMONT

1/ Twindexx for SBB

10 fold improvement in reliability

Lowest demerit ever reached

100% on time delivery in the last 12 months

"Twindexx is now the best quality at delivery across all other OEMs" SBB project director

TO BE REVIEWED

2/ CRESPIN, France Ramp-up "Plan 1000" New production line (for Regio 2N)

Increased capacity/productivity

New logistics investments

SEQUENCE OF MESSAGES TO BE RE-ARRANGED

3/ DERBY, UK

First customer acceptance of SW and WM trains (mettre en dernier)
20 fold improvement in customer demerit score - No more safety and
Functionnal issues (avant dernier)

Test faults recorded by trainset reduced by 90%

50% reduction in manufacturing lead time 70% of retrofit activity completed

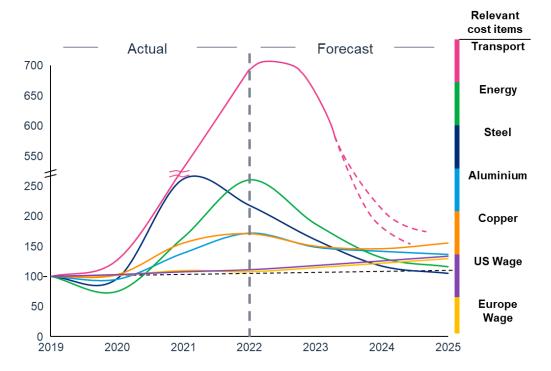
Reinforced action plan to mitigate inflation cost effect



INCREASED PRESSURE OVER H2 2021/22

Evolution of relevant cost items indexes

Indexed, Yearly evolution 2019-2025E, Base = 2019



MULTI-DISCIPLINARY ACTION PLAN

- 1 Price adjustment on new tenders mirroring cost increase
- 2 Commercial contract pricing adjustment formulas
- Reinforced **selectivity** for fix and firm price contracts
- 4 Back-to-back with suppliers for fix and firm contracts
- 5 Long term planning and secure material supplies
- 6 Apply stringent cost measures to mitigate headwinds

Supply chain turbulence mitigated in 2021/22



SUPPLY CHAIN CONSTRAINTS

Electronic components material capacity issues

- Semiconductor chip shortages aggravated by the pandemic
- Electronic components and systems deliveries potentially impacting production flow
- Ordering lead times significantly expanded

Disruption on goods delivery

- International freight activities under pressure
- Delays on freight activities increasing

DOUBLE DOWN ON ACTION PLAN IN FY 2022/23

- Crisis cell to optimise scarce material allocation
- In-depth analysis of semiconductor needs across the complete value chain
- **Longer-term planning** and commitments with suppliers to secure allocation
- Develop and use alternate sources
- Product adaptation and redesign for interchangeability to reduce dependencies
- Adapt production process (i.e. re-sequencing) to mitigate component shortage





Benjamin Fitoussi President Rolling Stock and Components – Development & Operations

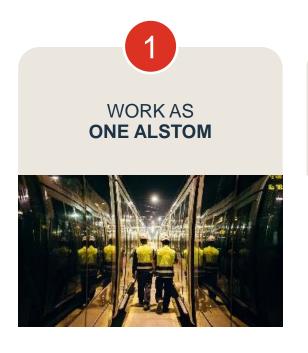


INTEGRATE Work as One

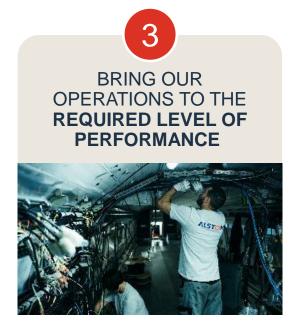


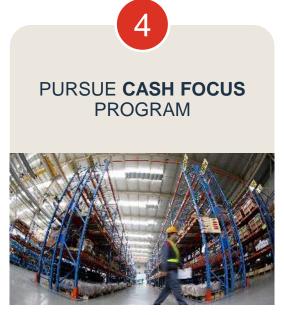
OUR TARGET

Bring back the operational performance to nominal in March 2023 and deliver the committed synergies









Now able to operate as ONE COMPANY



March 2025 **March 2021** March 2022 March 2023

80% convergence

- **KPIS & DATA MANAGEMENT** aligned
- >80% RSC PROCESSES converged
- **REGIONAL and SITE** deployment at full speed
- >90% RSC sites engaged

as backbone to sustain process & competence development.

Full deployment

Full digitalisation



Engineering:

- Digital suite with PLM (Delmia/Catia)
- Worldwide connected network



Manufacturing:

Advanced Operations System powered by SAP



Supply Chain & Procurement: • Powered by SAP Ariba



15,000 users Today

+12,000 users in 35 additional sites By 2025

1 Operational performance growing with integration





Gate review go on time





Defects per unit





Delivery on time



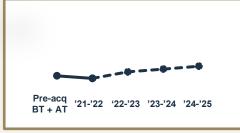


Key open quality issues





Manufacturing throughput



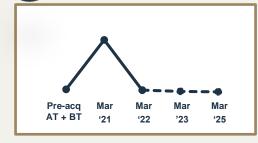


Physical inventory





First article inspection





Engineering on-time



Operational performance back to nominal by March 2023



Align and optimize our product portfolio



A CLEAR ROADMAP TO EXTEND MARKET COVERAGE AND TIME-TO-MARKET WHILE IMPROVING COSTS

From Day 1 FY 2021/22 FY 2022/23 FY 2023/24 **INVENTORY RATIONALISE** STANDARDISE AS PART OF TRANSFORM CONVERGE

A DEFINED DECISION TREE

Option A

Confirm obvious platform choices

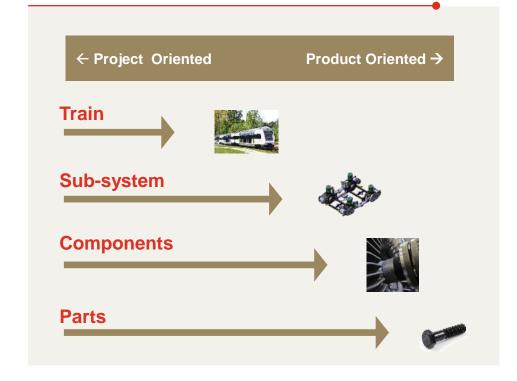
Option B

Optimize through "best-of-both" approach

Option C

Maintain specific product approach

AT ALL LEVELS OF THE BILL OF MATERIAL



- Improved market coverage
- Best product selection for tenders and on-going project to drive costs reduction



2 Convergence finalised, rationalisation on-going on tenders



ILLUSTRATION AT ROLLING STOCK LEVEL



ILLUSTRATION AT SUB-SYSTEM AND COMPONENT LEVEL

Before acquisition



BOGIES & DRIVES

7 product families 74 active products



TRACTION

8 platforms 66 active products



TC&IS

2 different platforms >50 different products



Fasteners/ cables/ Raw Mat

Eg cables 250 ref BT and 130 ref Alstom

Today

- 35 active products 20 reference solutions
- **>** 43 active products 20 reference solutions
- Repeat Orders without Cyber
 Security can remain with MITRAC
 New Projects and Reference
 Solutions to migrate to AGATE4
- Parts list unified and rationalised

100%
Platform convergence already validated



-42% Bogies references

-50% TCMS references

-50% Preferred Parts list

3

Establish best-in-class project execution and capabilities





Achieve excellence in our

tender and project execution

+



+



Continuous improvement focus and right-first-time culture

Best-in-class partner for our customers

2025 Targets

90% Gate Reviews Go On Time





PM2020: FROM A METIER BASED TO A SUB-SYSTEM BASED ORGANISATION





PROJECT MANAGEMENT

ARCHITECTURE & INTEGRATION

SUB-SYSTEMS MANAGEMENT







Procurement on-track to capture value, leveraging Group size





SOURCING SUMMITS



- Understanding of ex-AT and ex-BT strategies, spend and supplier base
- Initial Value Capture ambition

SUPPLIER DAY



- 300 suppliers invited
- Introduction to Value Capture objectives and processes

NEGOTIATIONS DONE WITH TOP 600 SUPPLIERS

- 3 waves
- Great success despite difficult context of inflation

Q1 2021/22

4 LEVERS MOVING FORWARD

- Co-development
- Design-to-cost
- Standardisation specifications
- Demand management



- Panel optimization based on QCD performance
- Claim settlement on legacy projects

Recurring value capture, one-off specific efforts



Driving the right quality standards across our value chain



STRENGTHEN QUALITY COMPETENCE

- Engineering (Right First Time)
- Industrial (Zero Defect Program)
- Supplier Quality in Region

Quality Academy

Year 2021/22:



2,655 trainers 2,565 training sessions 49,011 people trained

LEAN AND EFFICIENT PROCESSES

- Development For Quality
- Focus major production Ramp-Ups
- First Article Inspection, Statistic
 Control Critical Processes

Lean 6σ Belt Program



Year 2021/22 : 25 6**o** Ambassadors 1060 people qualified

CUSTOMER SATISFACTION

- Reliability Growth & Warranty
- Reactivity, Return of Experience
- Prevention in Tender Phase

Customer survey program



Pursue Cash Focus programme



AMBITION

 Optimise Cash across Alstom entire value chain



KEY INITIATIVES

- Cash-based selectivity in tenders
- Alignment strategic & tactical planning
- Cash conscious supplier contracts
- Optimise hard inventories level
- Increased CAPEX planning
- Enhance cash culture through training and personal objectives

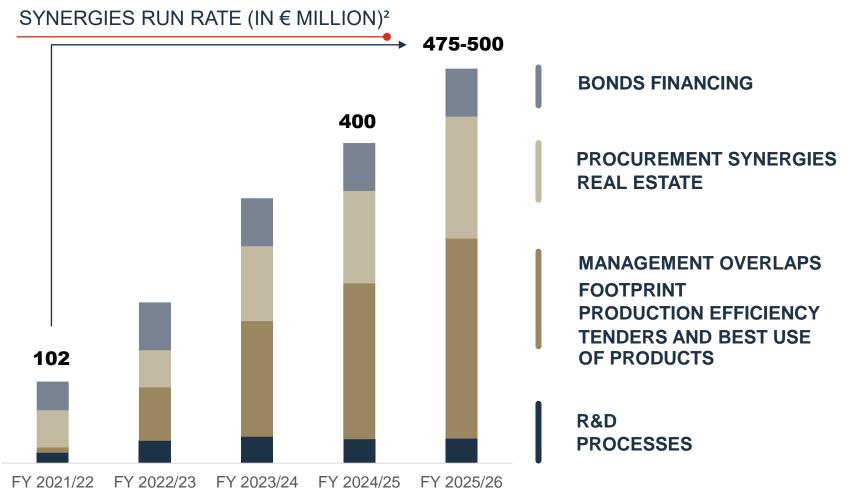
2024/25 OBJECTIVES

Free Cash
Flow: 80%
conversion from
adjusted net income



Synergies on-track and run-rate target¹ uplifted to €475 – 500m from FY 2025/26 onwards





2025/26 SOURCES OF UPLIFT

- Incremental industrial efficiency and best use of products through massification
- Incremental procurement synergies

^{1.} Initial target was annual run rate of €400m by the fourth to fifth year after closing 2. graph for illustrative purpose, not at scale





TRANSFORM Growing profitably

Benjamin Fitoussi President Rolling Stock and Components – Development & Operations

TRANSFORM



ACCELERATE THE EFFORT OF STANDARDISATION / MODULARIZATION



GET THE BEST OF OUR DIVERSE FOOTPRINT AND SCALE ADVANTAGE

FURTHER DIGITALIZE OUR OPERATIONS





Recent RSC orders are based on standardised, reliable and proven platforms



Illustration of major 2021/22 wins based on "best-seller" products

CORADIA STREAM™

- 29 High-Capacity electric doubledeck multiple units for DB Regio
- Up to 40 electric inter-regional trains to Romanian Railway Reform **Authority**

More than 700 Coradia Stream[™] sold within 5 years



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METROPOLIS™

- 55 large gauge Metros for Cairo L1
- 36 Metropolis trains for São Paulo Metropolitan Train System L 8 / 9
- 29 fully automated Metropolis trains to Taipei as part of a turnkey project

More than 60 customers worldwide



X'TRAPOLIS™

- Up to 750 new commuter rail cars for Ireland's DART
- 25 six-car trains for Melbourne's suburban rail network
- 42 trains for Tren Maya

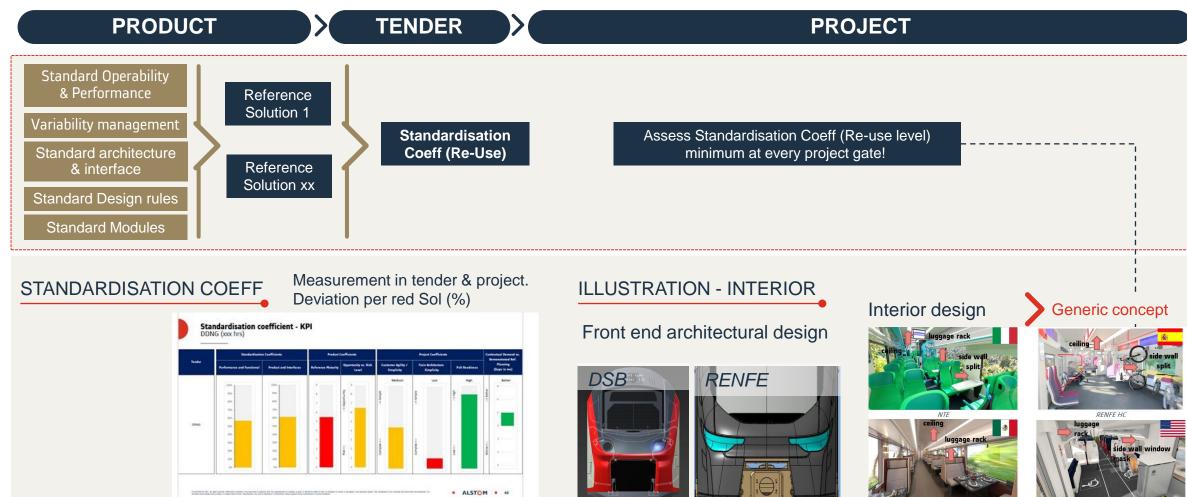
5,500 X'trapolis™ cars ordered so far in the world





Platform product management and standardisation 68 components, 48 buy modules





TREN MAYA

Increased Engineering efficiency by leveraging Best Cost Countries (BCC) site specialisation



- Aligned organisation model
- Deployed target processes
- Massify specialisation & return of experience :
 - New development sites organized by product
 - 10 train sites & 9 components sites
- O BCC capacity today at 32% ahead of Plan



Ocontinuous built up of BCC sites e.g. in Poland, India and Mexico

POLAND | EUROPEAN PROJECT SUPPORT

> Katowice



INDIA | GLOBAL RSC DEVELOPMENT

- > Bangalore
- > Hyderabad
- > Vadodara



+500 engineers
Per year til March 2025

MEXICO | LOCAL PROJECT SUPPORT

> Sahagun



2

A unique global-local manufacturing footprint to meet growing demand for localisation while delivering competitiveness



Customers are looking for reliable, tailored and competitive solutions delivered close to them

PROXIMITY

Commercial reach in 70+ countries

Delivery sites located in strategic markets

Manufacturing hubs in all key regions

WORLD-CLASS CAPABILITIES

Excellence hubs in key geographies

Sharing our worldwide expertise with our customers

Global competencies networks



TENDERS WON THANKS TO ABILITY TO DELIVER LOCAL CONTENT









Leveraging Best Cost Countries (BCC) footprint boosts competitiveness



AN AMBITIOUS BEST COST COUNTRIES ROADMAP FOR MANUFACTURING

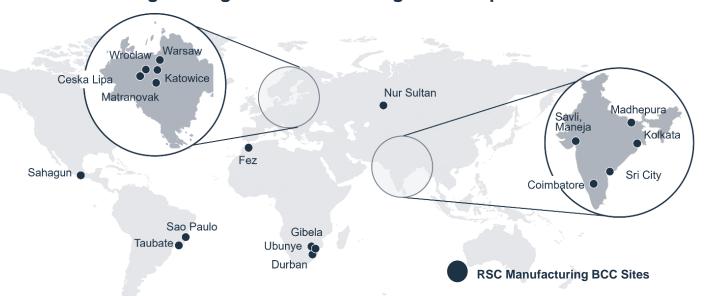
BCC Roadmap:

Mar '22

Mar '25 60%

A FOOTPRINT ENABLING TO MANUFACTURE AT THE BEST COSTS CLOSE TO OUR CUSTOMERS

Illustration – Engineering and manufacturing BCC footprint



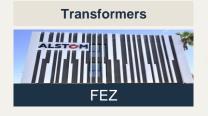
EXAMPLES OF RECENT INVESTMENTS













2

Roadmap to transformation in Germany, Austria and Switzerland



- Maintain market position through competitive offering & strengthened project execution.
- Invest in innovation, engineering, digitalisation and software
- Competitiveness with adapted manufacturing capacity & leverage of Eastern Europe
- Develop Services business



€150M RESTRUCTURING COSTS FOLLOWED BY €100M OF COSTS AVOIDANCE PER YEAR FROM 2024/25 ONWARDS

GFRMANY

- Planned reduction of around 900 to 1300 manufacturing positions over next 3 years
- Over 700 new positions in engineering, digitalization and software



SWITZERLAND

 Reduction of ~150 positions & shift to Services

Villeneuve

3 Drive the digital transformation journey





Increase automation and digitalisation



Deploy innovative digital reality scope

tive —— 2025 Targets

-6%¹
RSC Engineering hours

-10%¹
RSC Manufacturing hours

100%¹
Converged processes

75%¹
Business process digitalisation















PLM4A: an enterprise-wide programme to enable ONE product lifecycle management

Investing in people with World Class Engineering & Manufacturing programme



AMERICAS:

25 Manufacturing experts87 Engineering experts

DACH:

13 Manufacturing experts103 Engineering experts

EUROPE:

61 Manufacturing experts 204 Engineering experts

FRANCE:

86 Manufacturing experts 282 Engineering experts

AMECA:

3 Manufacturing experts6 Engineering experts

APAC:

16 Manufacturing experts56 Engineering experts



















Rolling Stock and Components journey ahead

