

Capital Markets Day 2025

Bussnang, 19 March 2025



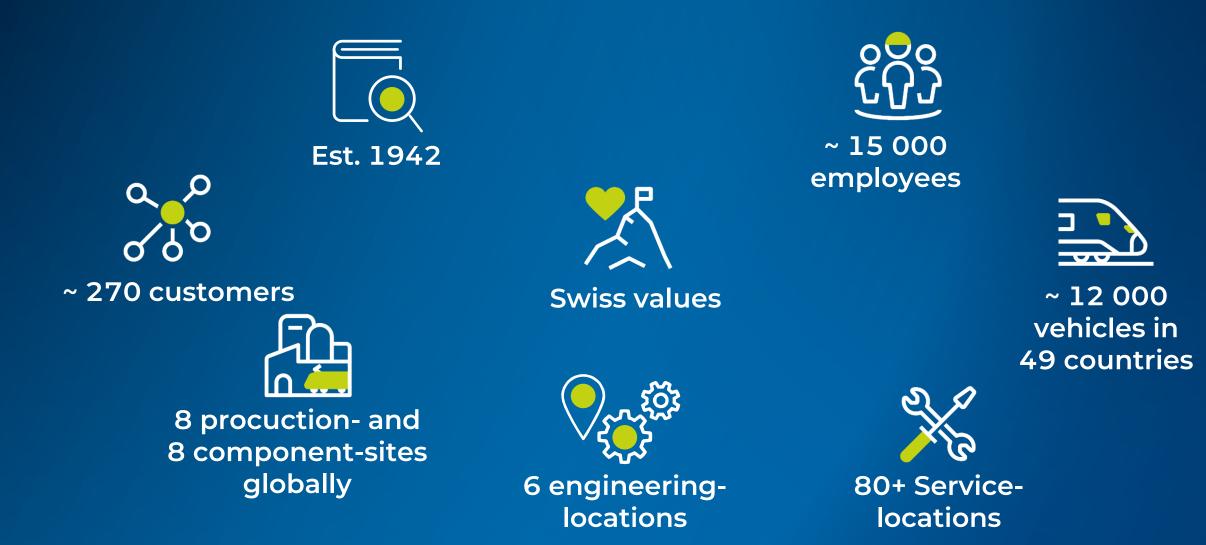


Peter Spuhler Chairman of the Board

Strategy update



Stadler – at a glance



Environmental disasters as a major challenge



Sierre (30.06.2024)

- Flooding of Constellium plant in Sierre
- 850t of the 1200t of aluminum profiles in storage had to be scrapped
- Partial loss of production: backlog will be made up in August 2025



Dürnrohr (17.09.2024)

- Heavy rainfall led to a dam bursting in Dürnrohr
- Flooding of a Stadler commissioning center
- ÖBB-KISS type test vehicle was completely destroyed



Valencia (29.10.2024)

- Heavy rainfall in the Valencia region
- Loss of production at Stadler Valencia and around 40 suppliers
- Destruction of stored goods (diesel engines, bogies)
- 200,000 hours & CHF 350m revenue postponed to years 25/26

Development since the IPO on 12 April 2019

2018 > 2024

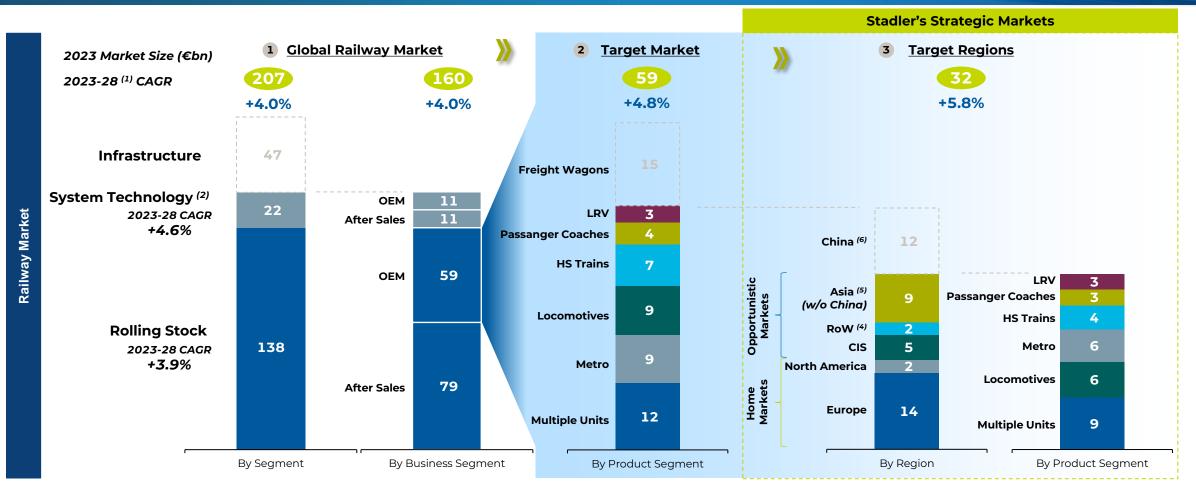
요 <mark>=</mark> Wor	rkforce (FTE)	~8 900	+ 71 %	~15 000		
Orde	er backlog (CHF bn)	13.2	+121 %	29.2		
Net revenue (CHF bn)		2.0	+63%	3.3		
EBIT-margin		7.5%	-4.4pp	3.1%		
Shareprice (CHF) ¹		38.0	-39%	23.0		
IPO	COVID-19 & supply chain disruptions	Inflation & FX headwinds	Russian war in Ukraine, Energy crisis & supply chain disruptions		Floodings in Spain, Switzerland & Austria	
2019	2020	2021	2022 2023		2024	

1) Opening price on the day of the Initial Public Offering on $12.04.2019\,/\,as$ at 17.03.2025

Challenging global environment since 2019



Overview rolling stock OEM market

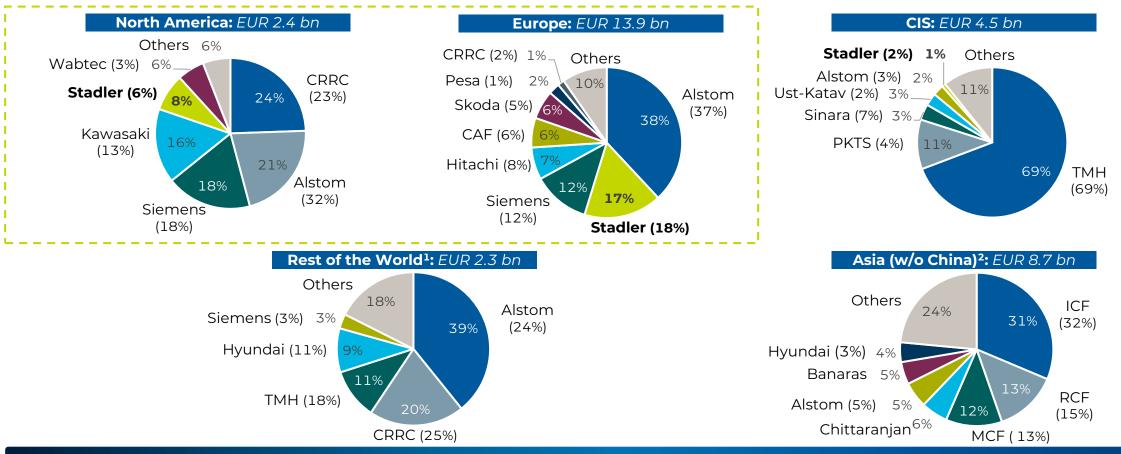


Source: SCI Worldwide Market for Railway Industries (2024), Study is published every two year. (1) CAGR: Compound Annual Growth Rate: Expected growth for the years 2023-2028 (in percent). (2) Sys. Technologies includes CCS - Control, Command and Signalling (train control, train protection & operational telematics) and PIS - Passenger Information Technologies (fare management, passenger information, passenger safety). (3) High Speed (HS) segment according to SCI study includes Intercity HS trains (190 (in some cases also 160) -249 km/h), HS trains (250-300 km/h) and Very HS trains (>300 km/h). (4) RoW includes the regions Africa & Middle East, Australia, New Zealand & Pacific, and South & Central America. (5) Asia includes all areas in Asia (Southeast Asia, South Asia, East Asia), excluding China due to protectionism. (6)China's share of global railway market volume in 2023 is 9% OEM & 10% After Sales. These values are further used as an assumption to define the potential of the target market

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SCI market shares by region (2022-2024)

Home markets

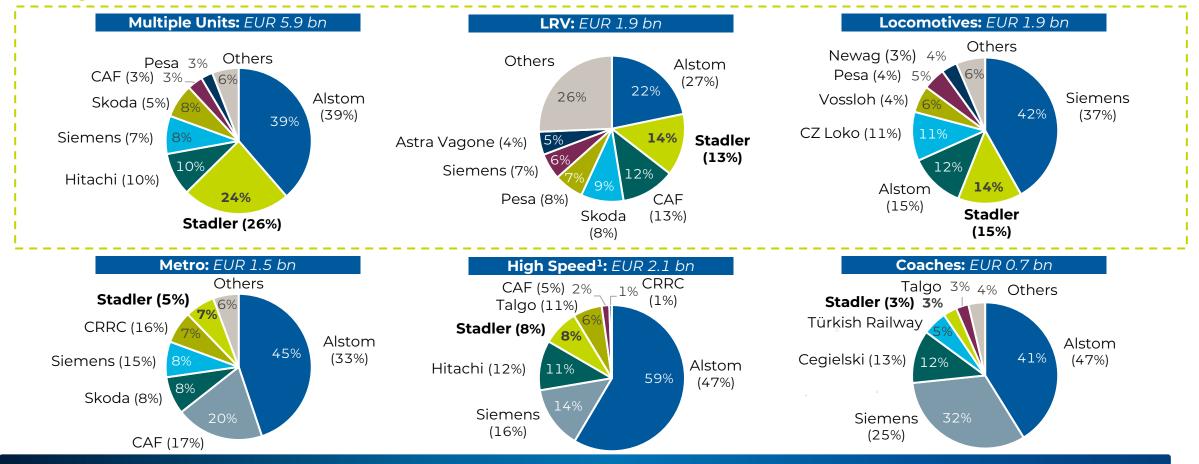


Stadler increased shares by one third in North America and remained second in Europa.

Source: SCI Market Share Data for Railway Industries (2024) for Pie Charts based on Units delivered 2022-2024, and SCI Worldwide Market for Railway Industries (2024) for the Market Volume (for the strategic ROS market of Stadler, therefore w/o Freight and China). (1) RoW includes the regions Africa & Middle East, Australia, New Zealand & Pacific, and South & Central America . (2) Asia includes all areas in Asia (Southeast Asia, South Asia, East Asia), excluding China due to protectionism. China's share of global railway market volume in 2023 is 9% OEM & 10% After Sales. Capital Markets Day 2025 | 19.03.25 | © Stadler

SCI market shares Europe by segment (2022-2024)

Focus Segments

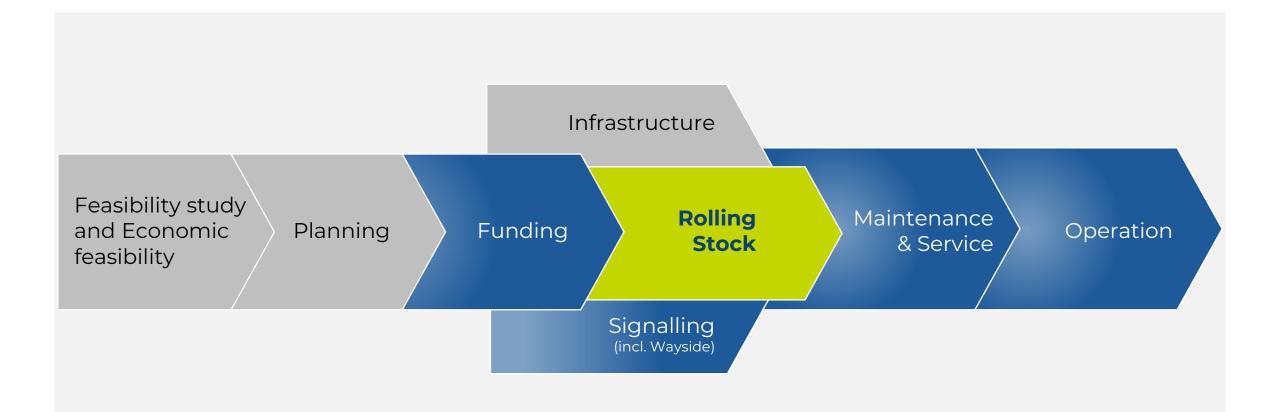


Stadler was able to maintain or expand its second place in all focus segments.

Source: SCI Market Share Data for Railway Industries (2024) for Pie Charts based on Units delivered 2022-2024, and SCI Worldwide Market for Railway Industries (2024) for the Market Volume (for the strategic ROS market of Stadler, therefore w/o Freight and China). (1) High Speed (HS) segment according to SCI study includes Intercity HS trains (190 (in some cases also 160) -249 km/h), HS trains (250-300 km/h) and Very HS trains (>300 km/h)

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Stadler widens its focus within the overall rail ecosystem



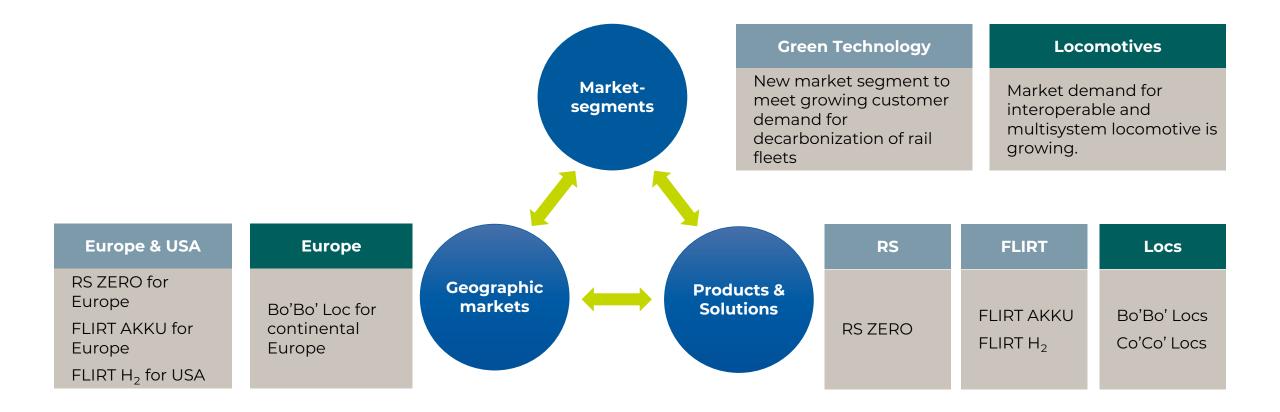
With Rolling Stock at its core, Stadler addresses growing customer demand for complete solutions

The Stadler core strategic dimensions



Stadler operates in selected market segments with high-quality products and solutions in specific geographical markets

Example of Stadler core strategic dimensions



Stadler operates in selected market segments with high-quality products and solutions in specific geographical markets

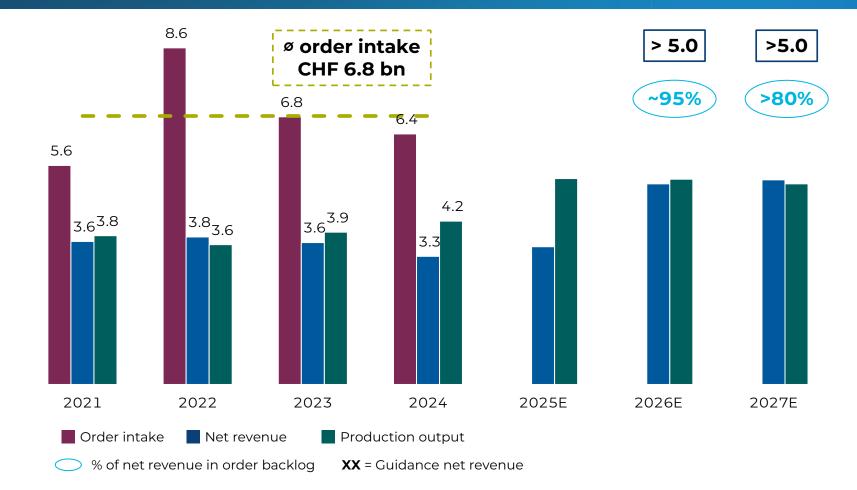
Innovation as our driver for long term profitable growth





Process takes 4 - 10 years on average

Conservative revenue recognition and production output



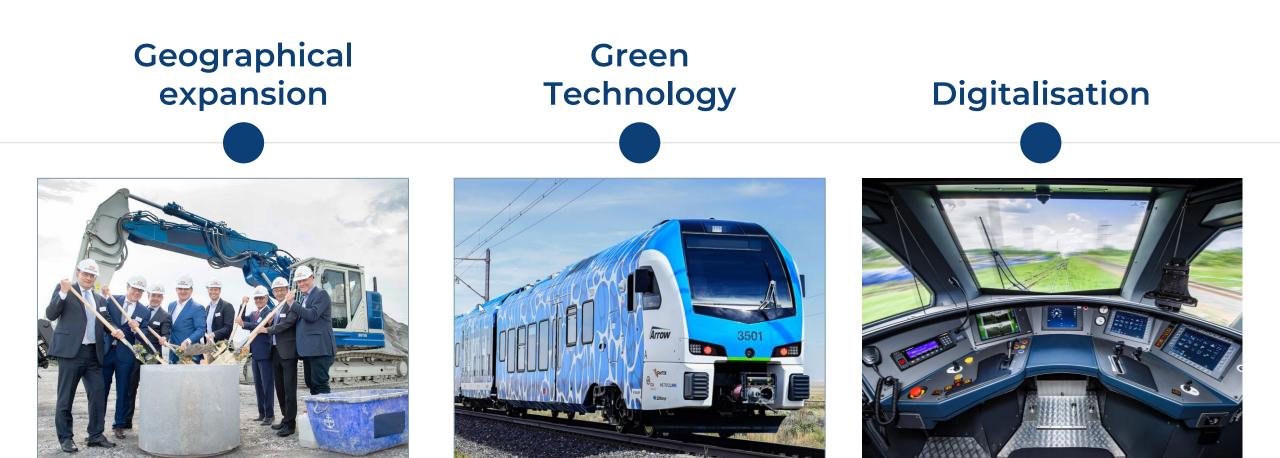
Comments

- Revenue recognition for trains based on conservative units of delivery method
- This leads to a **multi-year lag** between operational activity (production output) and revenue recognition
- Strong order intake of recent years will lead to a significant step-up in production output
- This will be followed by a **major** revenue increase going into 2026/2027

Notes: Production output equals net revenue plus delta gross work in progress. Bar height for net revenue 2025E to 2027E are only illustrative. Bar height for production output 2025E to 2027E illustrative of the expected increase in production output.

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Strategic thrusts







19.03.2025 Markus Bernsteiner

Operations





3 Operational implementation Processes, systems & organisation

01 Current challenges



Environmental disasters

Measures taken



Sierre

- Adjustment of production plans according to reprioritization of orders
- Examination of possible cleaning concepts for damaged profiles
- Short-time working in St. Margrethen & arrangement of overtime
- Setting-up task force mode
- Alloy adjustments

Dürnrohr

- Planning & implementation of vehicle construction in the production process
- Shifting type test plan to remaining type test vehicles

Valencia

- Negotiations on postponements / reduced acceptance deadlines
- Close exchange with insurers for quick claims processing
- Postponement of 200'000 production hours to subsequent years
- Examination of additional suppliers
- Force Majeure registration

Stadler Germany

Measures to ensure competitiveness in Berlin



Objectives & measures Stadler Germany

Locations under pressure in Berlin

- **Economic situation:** Weak economic development in Germany is a burden on Stadler's locations in Berlin
- Supplier problems: Bankruptcy cases in the supplier industry lead to bottlenecks and delay production processes
- Waiting for tender: For 4.5 years, no final decision by S-Bahn Berlin
- Delayed call-offs: Low call-offs of BVG subway trains lead to limited mediumand long-term planning reliability
- Rising costs: Increased energy costs and inflation are putting a strain on the financial environment

Structure and efficiency program:

- Goal: Reduce costs and increase efficiency
- Negotiations with the social partners on employee contributions

02 **Operational fields of action**



Developments since the last Capital Markets Day





+1 Production site+2 Component plants>15 New Service sites



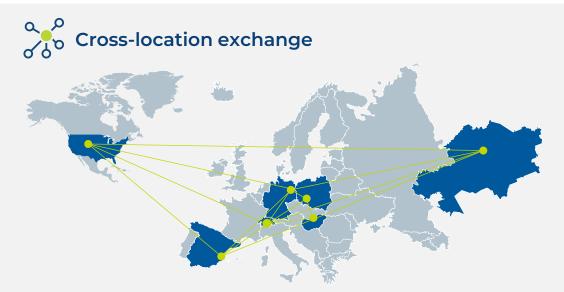






Operational fields of action

Cross-location exchange & operational dimensions



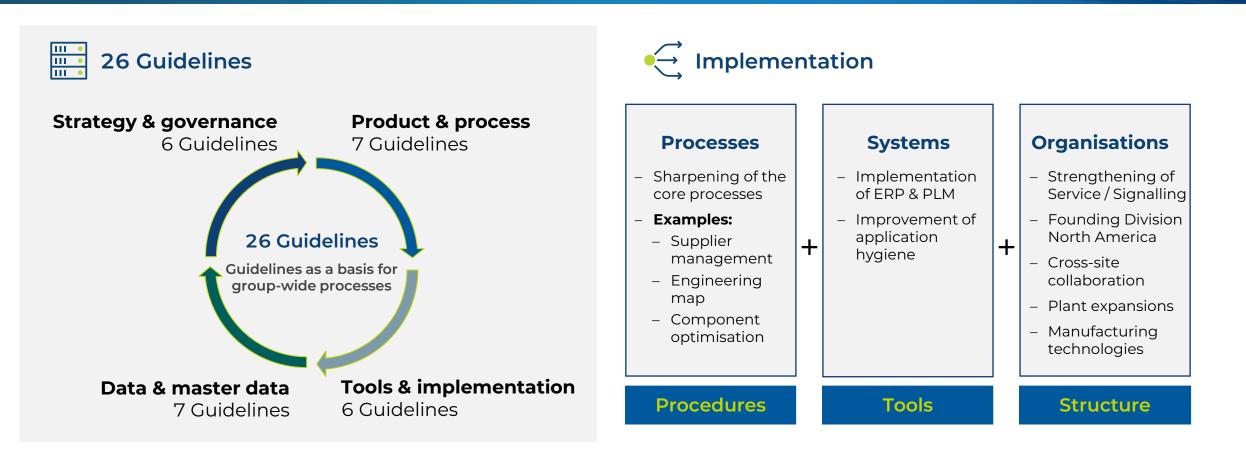
- Cross-location exchange & harmonisation based on best practices
- Effective communication between service and production locations to implement operational findings
- Group-wide system harmonisation (ERP & PLM) increases productivity in engineering & production



Increased efficiency through cross-location exchange

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Operational fields of action Implementation priorities



Guidelines for clear processes, uniform systems and transparent decisions

03.01 **Operational implementation** Processes



Operational Implementation – Processes Sharpening of our core processes

SALES PROCESS			PROJECT MANAGEMENT						
Upcoming tender	Application and tender analysis	Offer preparation including TRM	Negotiations	Engineering	Procurement	Production	IBS	Guarantee	Service / after sales
GO-	 I GO-I	I Tende	Contract r Signing (X)	X+2	2 X+3	 3 X+4	 • X+4.5	 5 X+6.5	 5 X+30

NEW ENGINEERING MAP

Main focus:

- Selective participation in tenders

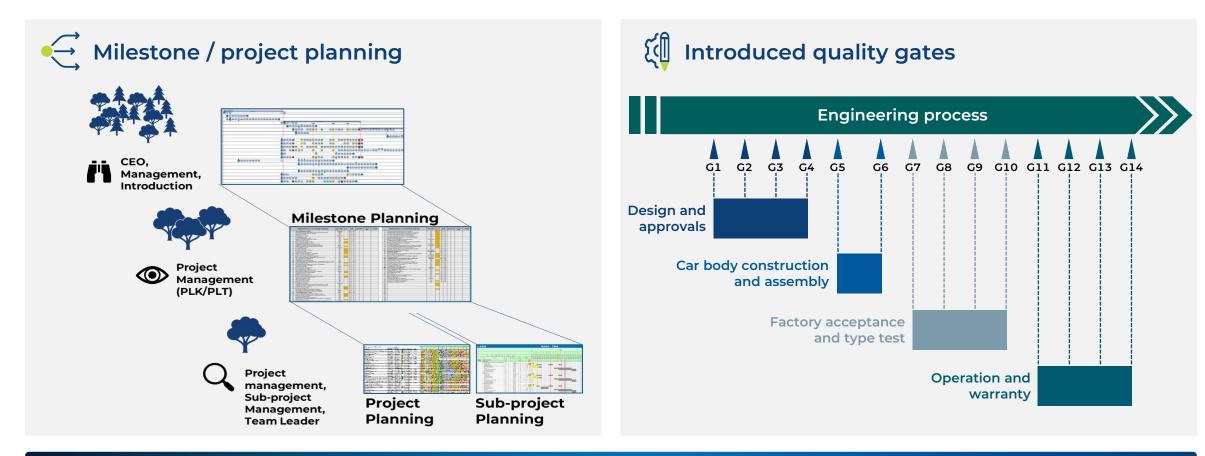
Focus areas:

Consistent progress and cost control

NEW ENGINEERING MAP

- Strategic supplier management
- Engineering map
- Components optimisation

Operational implementation – Processes
Implementation of the engineering map



The engineering map clearly outlines all key processes, responsibilities, and interfaces

Operational implementation – Processes Components optimisation



- Better technical solutions
- Targeted further developments
- Lower production costs
- Lower life cycle costs



- Engineering specialists
- Procurement
- Suppliers
- Production



Push buttons



-33%

Side wall panelling



Light curtain doors

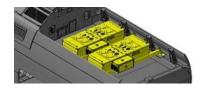


-33%

Brake control unit

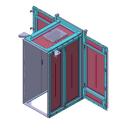
-26%

Batteries



-33%

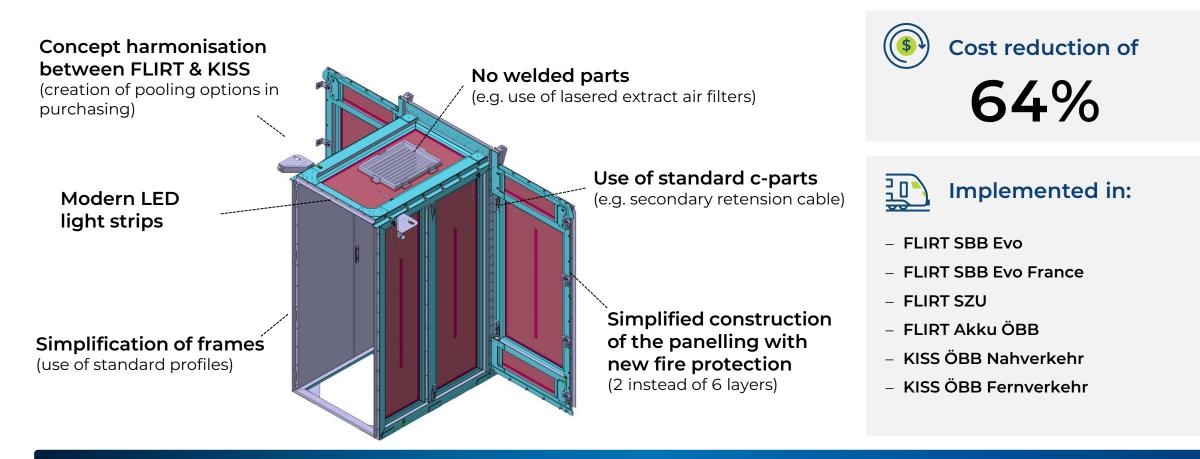
Machine room panelling



-64%

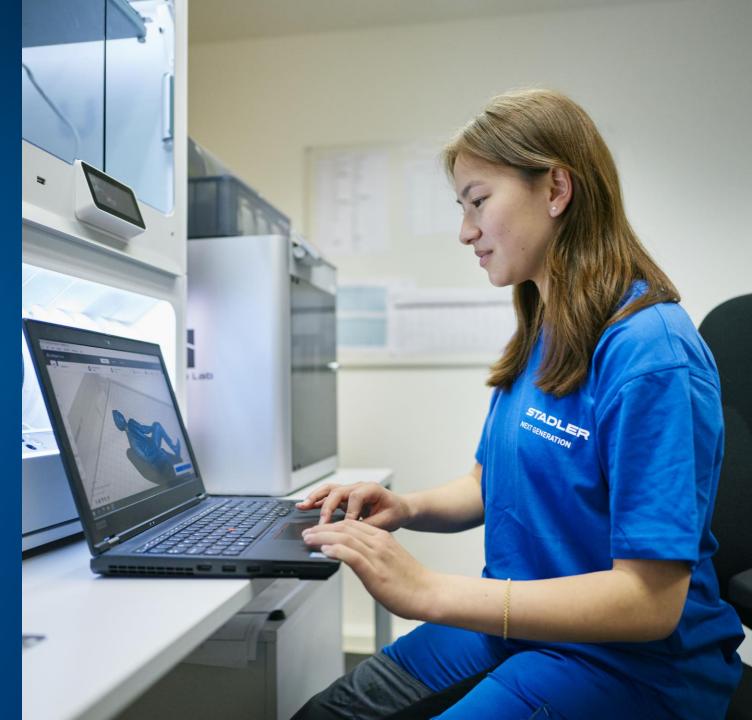
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Operational implementation – Processes Modularisation machine room panelling



The optimisations are the result of cross-site collaboration between departments

03.02 **Operational implementation** Systems



Ongoing harmonisation of application landscape in several domains

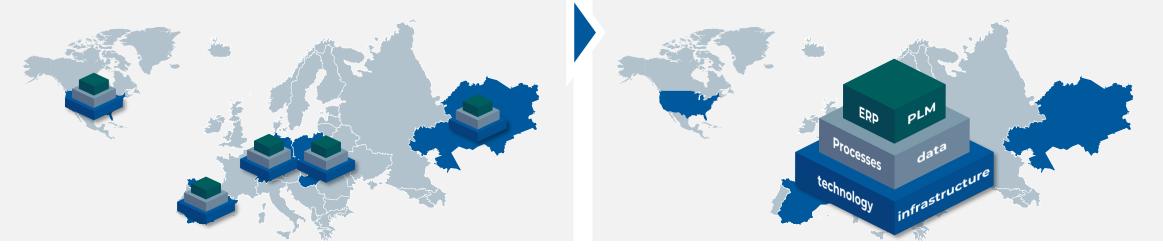


- Different software providers and local instances
- Non-harmonised processes and data
- Multitude of legacy ERP systems, engineering solutions and HR systems



State of the art platform architecture 2027/28

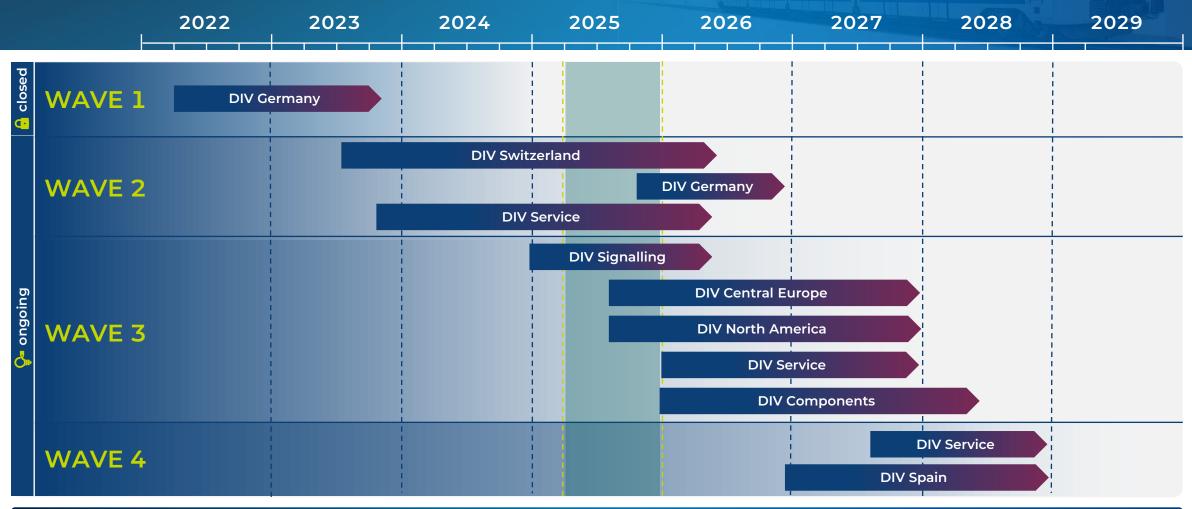
Technology and Infrastructure serve as a global basis for standardised and shared ERP, engineering and HR platform



Targeted harmonisation for a unified application landscape

Operational implementation – Systems

Implementation of ERP & PLM



The harmonisation of our application landscape will bring significant efficiency gains

03.03 Operational implementation Organisation



Operational Implementation – Organisation Adjustments since 2022



Creation of Division North America

- Rapid growth of Stadler US since
 2016, already over 500 employees
- Recently secured orders:
 - 4 DMU FLIRT for Trinity Metro
 - Up to 80 streetcars for SLC
- To support and strengthen the development of the location,
 Stadler US was separated from
 Swiss division as of January 1, 2025



- Regular exchange of experience:

- Cross-location harmonisation based on best practice

- Utilise synergies:

- Elimination of redundant work, optimisation of costs and use of innovation

Digital transformation

Development of digital platforms

- Extending the benefits of products via data and networked technologies
- Integrate and optimise customer requirements in operation

- Data driven services

- New digital solutions
- Real-time analyses for advanced railway solutions
- Stronger positioning in tenders and in service

- Ensuring competitiveness

- Digitalisation as a driver of innovation

Factory expansion & investments in new production technologies



Poland

- Center of competence (converters & EPA)
- Increase of steel body production

Valencia

- Body shop ramp up
- Increase of assembly capacity

USA

- Increase of body shop capacity
- Increase of assembly capacity

Szolnok

- Increase of car body production

Switzerland

- Increase of overall production capacity
- Expansion of apprenticeship workshop



Visual inspection

 Comparison of component photos with 3D models for correct installation (position & alignment)





Friction stir welding (FSW)

- Higher structural strength & quality
- Efficiency & sustainability

Digital punch hole marking

 High-precision punch hole localization with laser tracker and digital punch tool

Operational measures

Networking and optimisation for sustainable success

- Strengthening our cross-location cooperation: Leverage expertise within Stadler and increase operational efficiency
- Establishment of group-wide guidelines for the standardisation of processes and systems

Fields of action for sustainable growth

- Team: Investing in training and talent management
- Innovation: Digitalisation and development of new technologies
- Order intake & revenue: Selective tender participation
- Operation: Optimisation of order processing and strategic supplier management

Optimisation with new IT applications

- Harmonisation of the application landscape: Standardised and shared ERP, engineering and HR platform
- Group-wide rollout by 2027/28

Organisational adjustments since 2022

- North America Division: Supporting the growth of Stadler US.
 Separation from Division Switzerland from 1 January 2025
- Cross-site collaboration: Increasing the transfer of know-how and use of synergies
- Digitalisation: Innovation to ensure competitiveness





Marc Trippel Head of Signalling Division

Deep dive Signalling



01 Signalling strategy and positioning



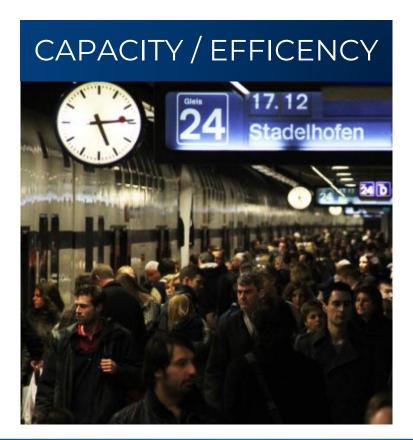
Stadler Signalling

Stadler is more than rolling stock

Division Signalling Why Signalling

SAFETY





COMPETITIVENESS



Signalling – from safe train operations (collision avoidance and speed supervision) to efficiency gains

Division Signalling Signalling portfolio

	Mainline	Urban	Metro
On-board	European Train Control System (ETCS)	Automatic Train Protection and Driver Advisory Systems	Automatic Train Protection and Driver Advisory Systems
Wayside	Interlocking (CH)	Conventional Signalling Portfolio (e.g. Interlocking, Positioning, Point and Switch Control)	Conventional Signalling Portfolio (e.g. Interlocking, Positioning, Point and Switch Control)
Systems	n.a.	Communication based Train Control System (CBTC)	Communication based Train Control System (CBTC)

Leveraging solid Urban solution offering together with Rolling Stock with heavy focus on migration

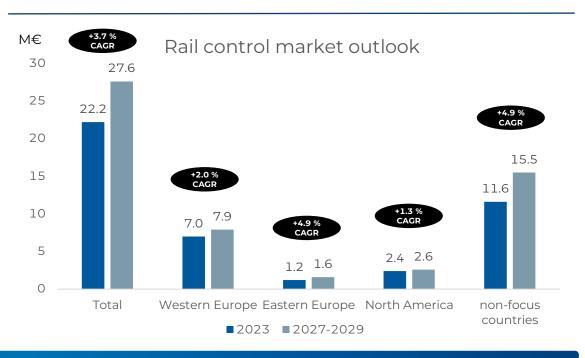
Division Signalling Strong market drivers



Demand drivers and their implications

Urbanisation	High demand for mass-transit and capacity increase on existing infrastructure
Climate change	Need for efficiency increase and reduced emissions
Investment sensitivity	Urgency to protect investments and extend life-cycles of existing infrastructure and vehicles
Life-cycle management	Need for constant availability while ensuring safety and passenger comfort

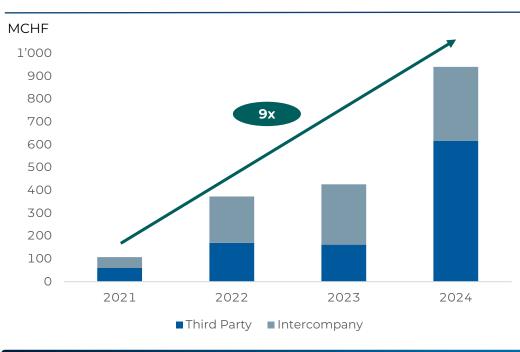
Positive outlook in focus markets



Tailwinds expected due to favourable demand drivers and focus on selected growth markets

Division Signalling Milestones and growth rate on track

Growing order backlog



Order intake hilights



Saudi Arabia: First ETCS nnboard contract in the Middle East with SAR

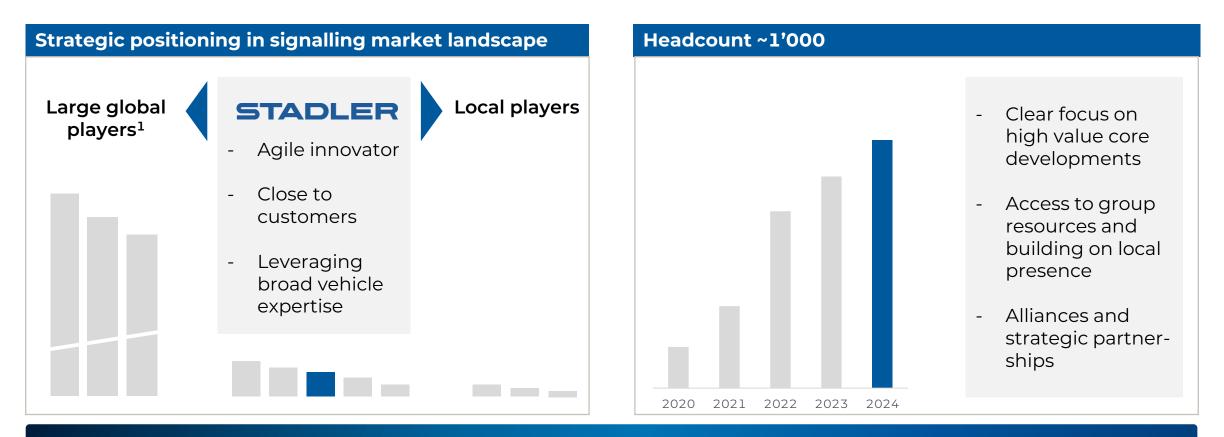


USA: First large CBTC contract with MARTA (Atlanta)

Switzerland: First mainline interlocking contract with SZU (Zuerich)

Solid underlying market demand combined with our innovative offering to further accelerate growth

Division Signalling Strategic positioning in signalling market landscape



Attractive competitive positioning combined with focused expansion

1) Global players considered >1bn CHF revenue present in Stadler addressable market

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Division Signalling Leveraging global Rolling Stock and Service footprint





- Lean, agile and innovative Signalling organization with selective expansion
- Clear focus on centralized Signalling competence centres
- Solid base in Europe (Germany, Italy and Switzerland), growing organization in North America
- Successfully leveraging Stadler's growing global footprint and expertise in Rolling Stock and Service
- Customer proximity through existing Rolling Stock and Service sites

Division Signalling Focused on innovation and market entries

Achievements



Mainline: successful onboard market entry in Europe, including Refit business

Г	ר
2	

Urban: comprehensive product portfolio onboard and trackside & development of in-house CBTC solution



Digitalisation: Driver assistance solutions & Depot automation



Strategic partnerships and successful M&A activities

Strong base for the future



Well-positioned for the growing ETCS onboard market and solid base for wayside

Solid customer base and broad solution portfolio for further internationalisation

Innovation as key differentiator with new solutions

Supporting bolt-on M&A in strategic markets

With solid achievements and a strong base in the market, we have a clear focus on profitable growth

Division Signalling Strategic direction – from vision to reality



Independence and value-added

Independence from direct competition and increasing value-added for Stadler



Innovation-leader

Determined to be innovation-leader as the "New Player" while leveraging rolling stock capabilities



Stadler DNA

Focus on client needs, flexibility and agility, acting local and personal



Growth

Selective growth aligned with the strategy of a full solutions provider

Mainline

- Interoperable solutions, onboard and wayside
- Leader for ETCS Refit solutions

Urban

- World leader for automation of branchline railways
- Light rail onboard and wayside systems
- Migration of existing technologies of all types



Metro

- Fully automated (CBTC) metro solutions
- Independent provider of metro signaling

Ambitious targets underpinned by a clear strategic roadmap for each client segment

02 ERTMS & ETCS

Sazi Enicker Head of Sales ETCS



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Strategic ETCS framework

Secure independence

Independence from the competition in ETCS train protection is crucial for Stadler's long-term success.

Manage complexity

ETCS business is complex, demanding and requires upfront investments. For new market entries, this heavily depends on the need for integration of Class B systems and country homologation efforts.



Drive third-party business

For ETCS outside Europe, other OEMs vehicles and retrofit contracts are increasingly important market segments.

Division Signalling ETCS: strategic focus areas



Strategic focus areas

New Stadler fleets

Drive margin by equipping new Stadler fleets in markets already entered

Stadler installed base

Drive margin by addressing **retrofit of existing Stadler fleets** in markets already entered

New markets

Enter **new markets** by means of suitable Stadler or Mermec vehicle projects. Combined ETCS infrastructure projects outside of Europe

Third-party fleets

Do retrofit projects for third party vehicles to capture economies of scale. Focus on projects in markets already entered

Focus on third party refit projects in markets already entered successfully

Division Signalling Different project set ups



NEW

- ATP full integration
- Customizable solutions
- Project planning & execution support
- Authorization & Test
- Mainly Stadler vehicles, some opportunities with 3rd party vehicles

REFIT

- TSI compliance upgrade
- ETCS update or 1st installment
- Class-B integration
- Authorization & Test
- Experience in Stadler and 3rd party vehicles



Division Signalling

10 country homologations in record time

Homologated

- Austria
- Belgium
- Croatia
- Germany
- Hungary
- Italy
- Netherlands
- Poland
- Slovenia
- Switzerland

Roadmap

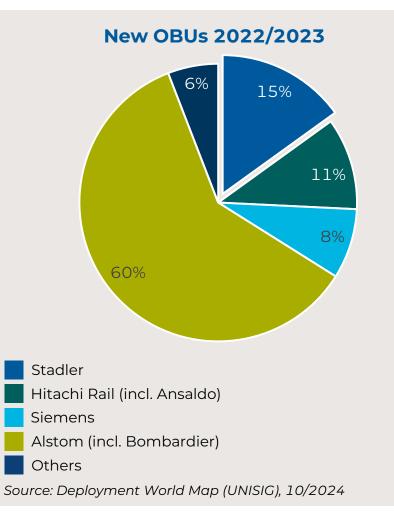
- Czech Republic
- Denmark
- France
- Saudia Arabia

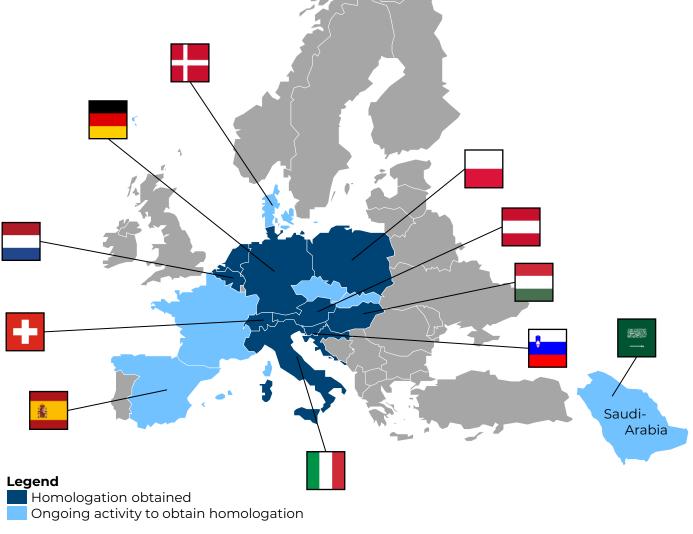
Saudi-Arabia

55

- Spain
- Slovakia

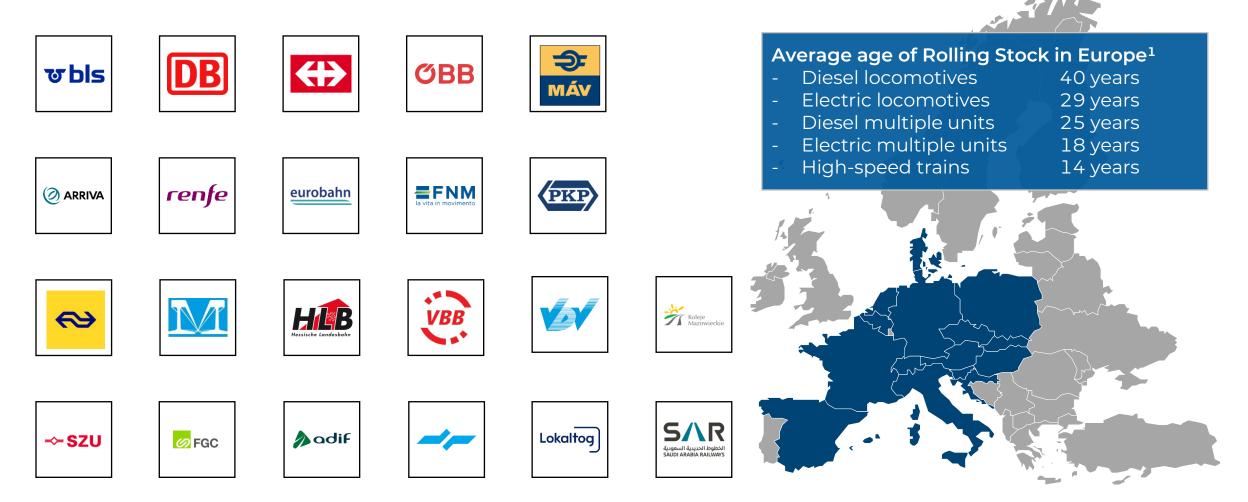
Division Signalling More than 1'400 vehicles equipped and increasing market share





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Division Signalling Trusted by established customers for ETCS refits



1) SCI 2024: Worldwide Market for Railway Industries 2024 Capital Markets Day 2025 | 19.03.25 | © Stadler

Division Signalling Success story: Locomotive BR 185

OVERVIEW

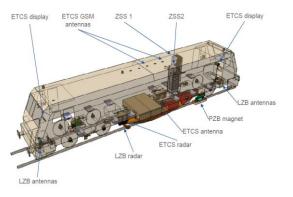


Freight Locomotive operating in AT and DE

There are **500 similar vehicles** in the market

No involvement of the locomotive manufacturer

CONCEPT



Reverse Engineering with Vehicle Scan and numerous investigations on the Vehicle

GUARDIA Baseline 3.4.0 ETCS Integrating PZB & LZB

No changes on the TCMS 🗸

EXECUTION

Execution **close to the vehicle home location**, without involvement of the locomotive manufacturer

SUCCESS FACTORS



Modification limits

Extensitive testing before authorisation

Re-homologating vehicles using framework with **delta justifications**

Division Signalling Success story: Train BR 605

OVERVIEW



Passangers Train for **DK, DE and CH**

Manufactured in 2005 by Siemens/Bombardier

No involvement of the train manufacturer

CONCEPT



Reverse Engineering with Vehicle Scan and numerous investigations on the Vehicle

EXECUTION

"Backpack solution" without involvement of the train manufacturer

In parallel with BR 185 pilot

SUCCESS FACTORS



history of vehicle modifications

Adoption of **latest standards** for existing equipment

Introduction of new operational concepts due to ETCS implementation

Division Signalling

Success story: Yellow Machine BR 741

OVERVIEW

Maintenance vehicle for ETCS lines in **Germany**

Manufactured in **1998** by GBM

With Involvement of the train manufacturer

CONCEPT

Reverse Engineering with Vehicle Scan and numerous investigations on the Vehicle Limited access to technical documents

EXECUTION

Using original manufacturer facilities

SUCCESS FACTORS



Mastering safety analysis is critical due to vehicle complexity

Understanding national rules & regulations

Establishing **partnerships** & exploring **different commercial set-ups**

Division Signalling

Market entry: ETCS competency also on infrastructure Side

SZU (Zuerich) awarded Stadler with the networkwide modernisation of its signalling systems

- Partnership and long-term implementation contract from planning and installation to testing and commissioning of the safety systems (interlocking)
- Entry in the Swiss infrastructure market for standard-gauge railways
- Not only our first mainline interlocking but Stadler also provides ETCS wayside equipment
- SZU also ordered 17 FLIRT to be delivered in 2028

Market entry

First mainline interlocking project and base for further tenders

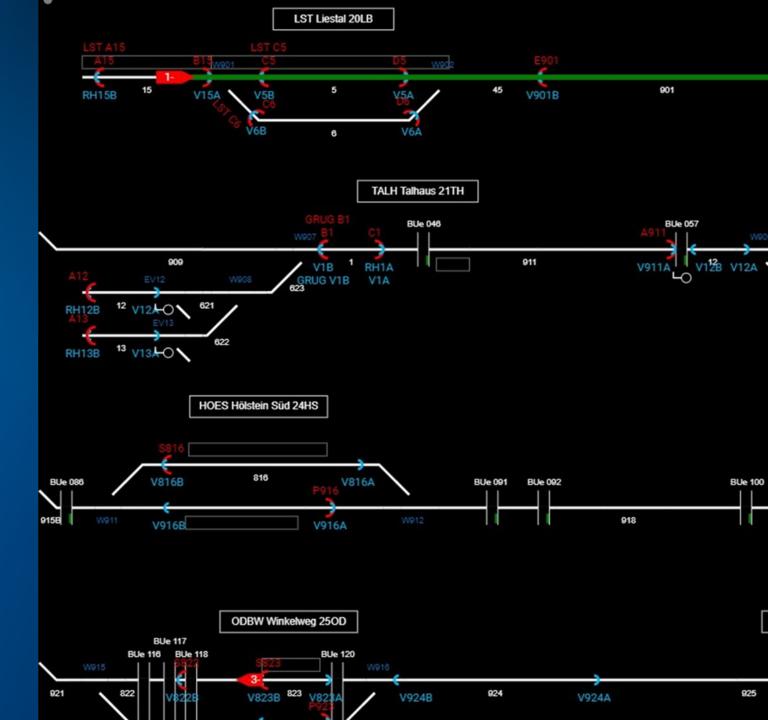
Innovation

Stadler Rolling Stock and Signalling provide unique innovation potential



03 Innovation

Ankit Dabral Head of Business Development CBTC/ATO



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Division Signalling



Communication Based Train Control – NOVA PRO

- Innovative approach with first CBTC application compatible for both Metro and Light Rail Vehicles
- Pure Moving block, based on commercial-off-the-shelf (COTS) one of a kind in the industry



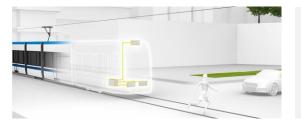
Depot automation

- Modern depot automation, made for every kind of railway
- Innovation leading to significant savings for our customers



Sensor based - collision warning & avoidance

- Thoughtful AI based on sensors ensuring addition layer of safety for vehicles
- Detecting trains, people, cars to potentially becoming "train-based positioning system"



Digitalization

- Heavy focus on automation and needs of customers
- Driver advisory systems, predictive maintenance, digital twins and passenger information systems

Division Signalling Metro





For customers who want to be ensured of reliability, precision and maximum safety in urban metro lines. Stadler offers high-quality, lean and modular CBTC solutions and their migration into the existing infrastructure.

Automated operation – CBTC

The Stadler NOVA Pro CBTC system allows automated operation of metro trains (even driverless). With Stadler NOVA Pro, operators can achieve shorter train sequence times, faster travel times, higher reliability, lower life cycle costs and improved customer service.

Migration

We plan the migration process in detail with highest priority on maintaining safety standards and continuous operations.

Division Signalling The most modern metre gauge railway in Europe







- In commercial operation since December 2022
- Scalable system design: GoA2 in 2024 / expandable to GoA4
- Including collision warning system
- Depot automation 2025 in commercial operation

Division Signalling Full automation (GoA4) on open track



CBTC GoA4

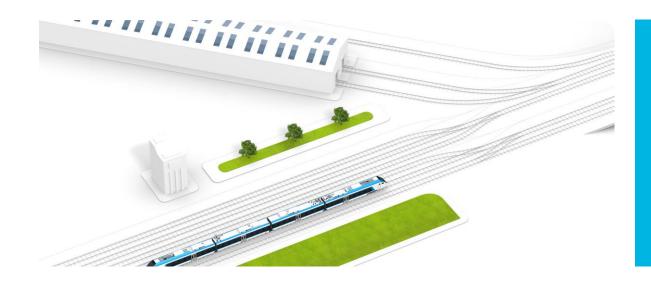


- ATO GOA4 on open track
- Pioneering automated rail operation on branch line
- Communication via public network
- Defines standards for autonomous operation on open track
- On-demand operation in planning
- Commissioning 2027

-

Division Signalling Depot





Whether interlocking, ATO solutions or sensors – Stadler supplies tailored hard- and software solutions for visualization and operation within depots

Shunting systems

Stadler offers innovative system solutions for regulated and safe interaction between humans and machinery in shunting yards and depots.

Automated shunting

We support railway operators in efficient vehicle dispatching within depots and shunting yards via our automated shunting system. It enables humans to fully concentrate on on-track operation.

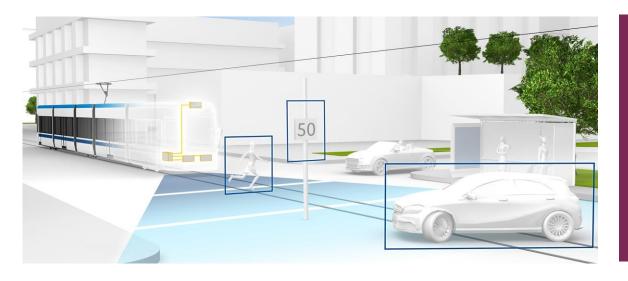
From partial automation in the depot area...

... up to fully automatised depot operations (shunting, parking, coupling, washing, preparation)

Division Signalling Use cases of depot automation in GoA4



Division Signalling Digital solutions



Digital twins

A digital twin is a detailed virtual copy of a vehicle fleet and processes vehicle data in real time

ATO and driver advisory systems

Automatic Train Operation and supports various applications for partial and full automation of operations.

Stadler links different systems to develop digital solutions for various applications. Railway transport therby becomes more punctual and attractive and supports the climate-friendly mobility transportation.

We are creating a digital, flexible and independent e-mobility future.

Collision warning system

Increased operating safety thanks to high-quality object detection that uses up to three different sensors (radar, camera and lidar)

Passenger information systems

A modular solution that provides dynamic passenger information at bus and on train platforms.

Division Signalling Revolutionizing migration

- No platform solutions
- Customer-specific migration and strategy
- Parallel equipment onboard and trackside
- Tailored solutions
- Applicable on a large product portfolio



Tailormade solutions for our customers' needs





Dr. Ansgar Brockmeyer Head of Marketing & Sales

Deep dive US market



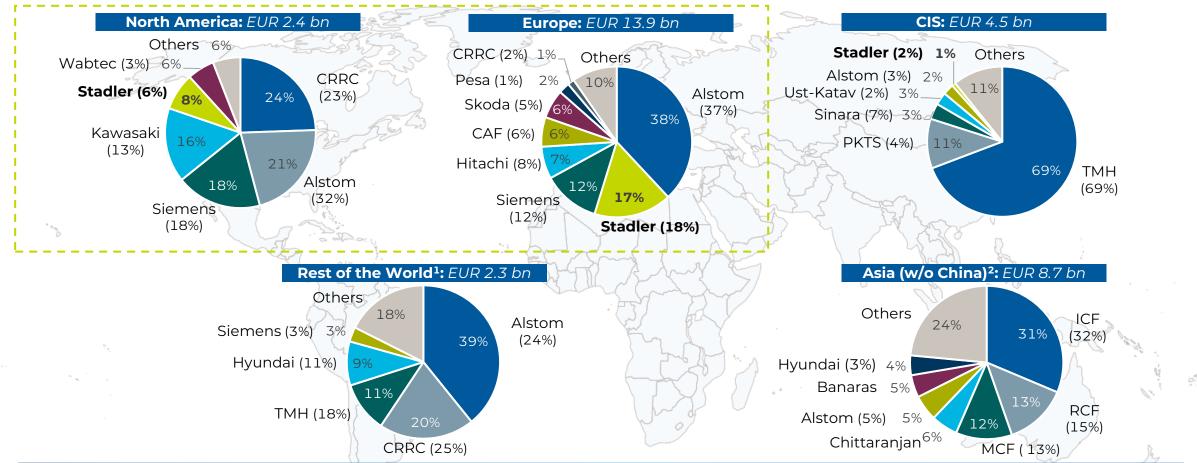


Stadler worldwide market shares

Regional Development

SCI market shares by region (2022-2024)

Home markets



Stadler increased shares by one third in North America and remained second in Europa. Alstom increased shares in Rest of the World by doubling the delivered numbers of cars in Africa / Middle East.

Source: SCI Market Share Data for Railway Industries (2024) for Pie Charts based on Units delivered 2022-2024, and SCI Worldwide Market for Railway Industries (2024) for the Market Volume (for the strategic ROS market of Stadler, therefore w/o Freight and China) (1) RoW includes the regions Africa & Middle East, Australia, New Zealand & Pacific, and South & Central America

(2) Asia includes all areas in Asia (Southeast Asia, South Asia, East Asia), excluding China due to protectionism. China's share of global railway market volume in 2023 is 9% OEM & 10% After Sales. These values are further used as an assumption to define the potential of the target market Capital Markets Day 2025 | 19.03.25 | © Stadler



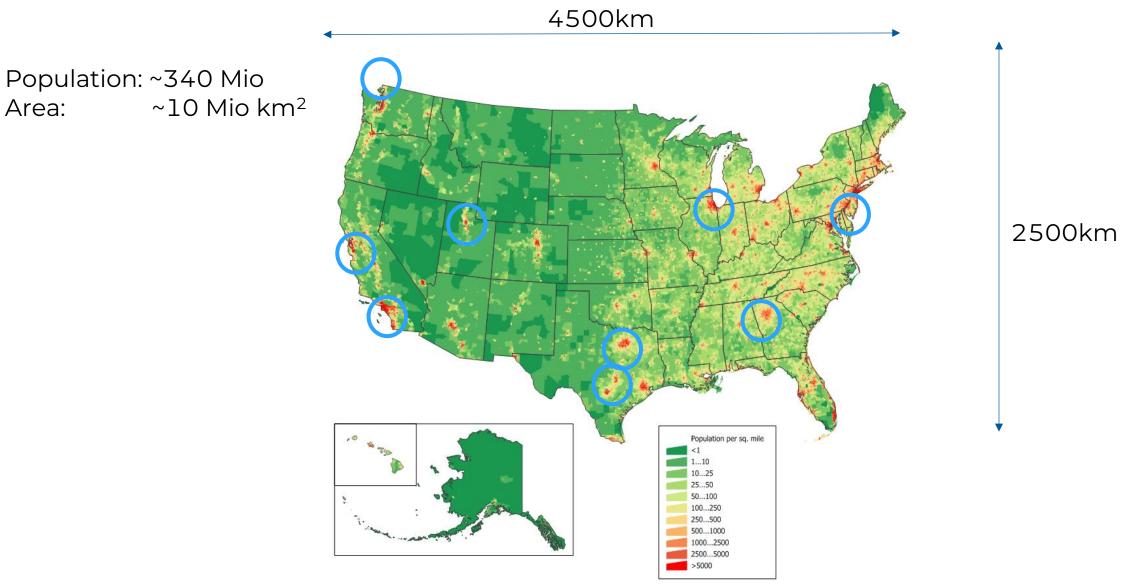
US rail market characteristics

Geographical and technological challenges

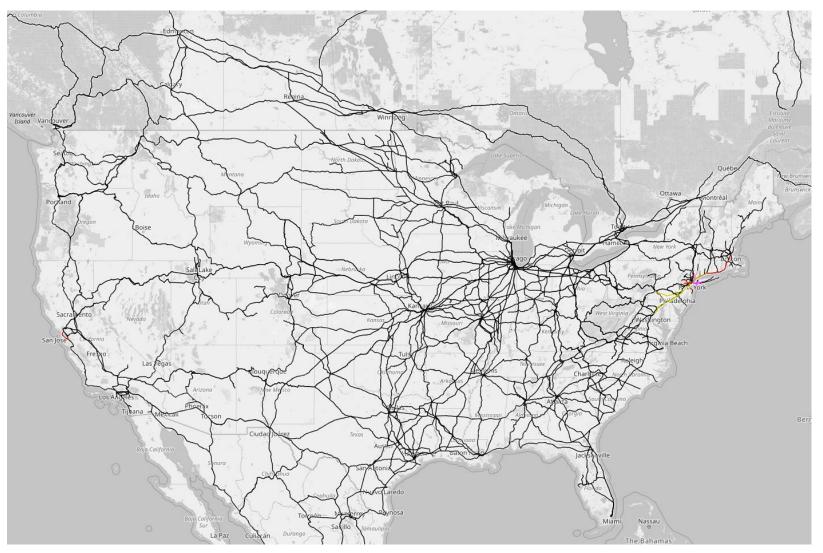
US Rail Market Characteristics

Area:

Geographical footprint of US population is challenging for railways



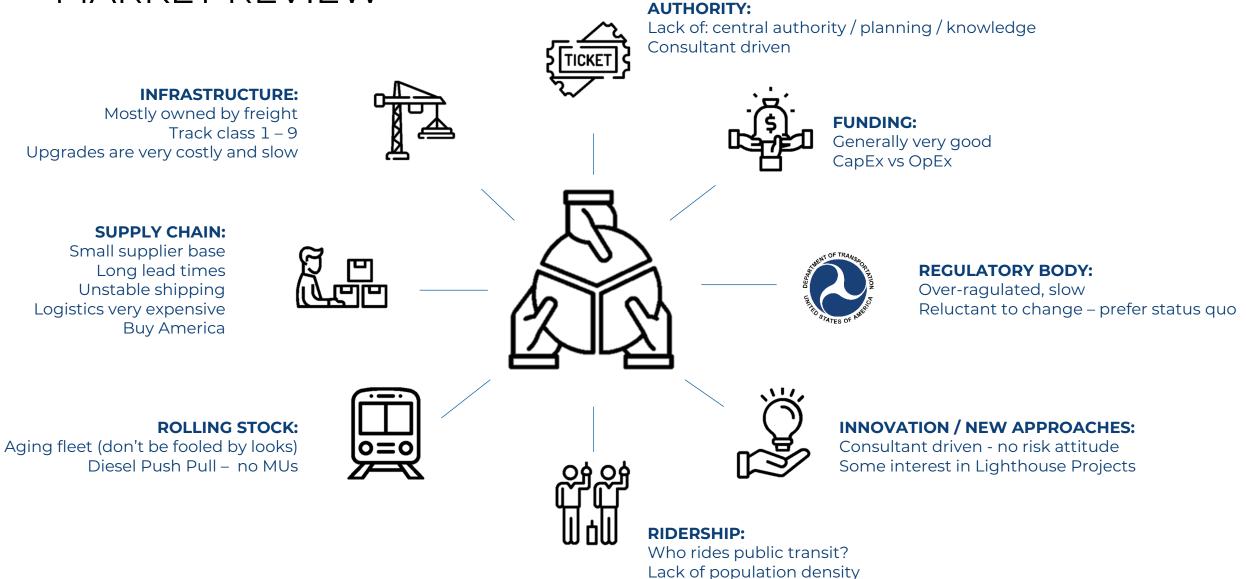
The railway network is 290 tkm the largest of the world with <1% electrification



The US passenger rail market has a vast modernisation potential: Past, present and future of CalTrain (CA) in a single image



Stadler in North America MARKET REVIEW



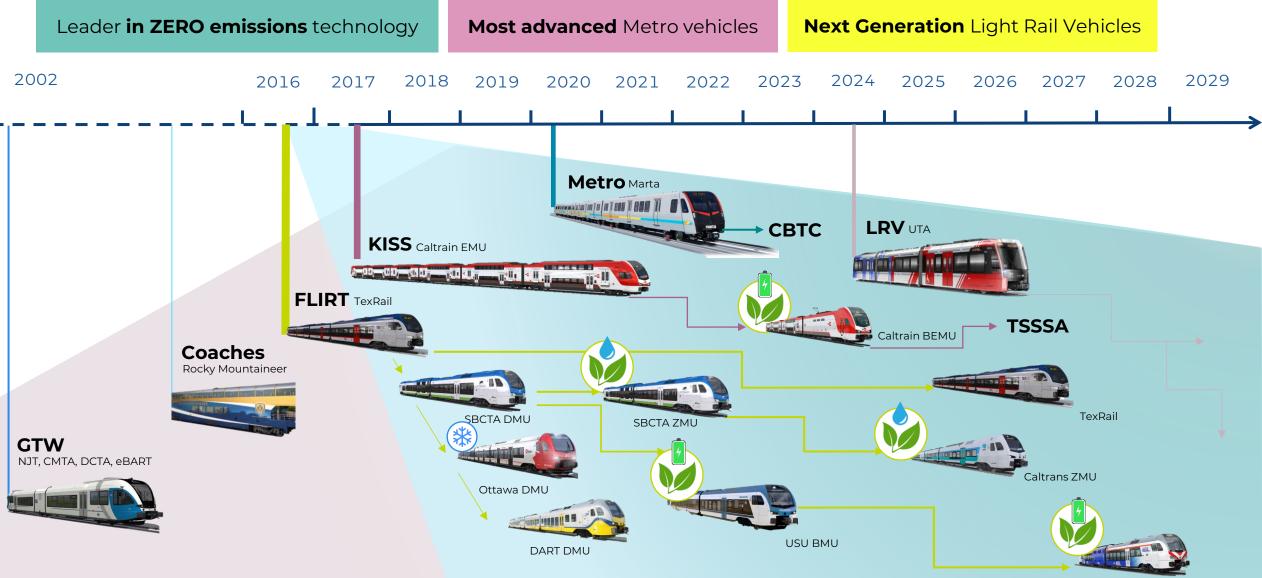
03

Stadler in North America

Innovation and Technology offensive

A solid basis

Stadler product families in North America



Stadler Rail in the United States

Our products in an overview

GTW	FLIRT	KISS	METRO	LIGHT RAIL VEHICLES	TAILOR MADE
Propulsion Systems: - Diesel - Overhead Catenary	Propulsion Systems: - Battery - Hydrogen - Diesel	Propulsion Systems: - Battery - Overhead Catenary	Propulsion Systems: - Battery - 3 rd Rail	Propulsion Systems: - Overhead Catenary - Off wire capabilities	Options: - Cog Rail - Coaches - Shunting Locomotives
Seating Capacity – up to 200	- Overhead Catenary			Seating Capacity – up to 140	 Research & Development Projects
	Seating Capacity – up to 480	Seating Capacity – up to 800	Seating Capacity – up to 350	Customizable Platform Height:	
Customizable Platform Height	Customizable Platform Height	Customizable Platform Height	Customizable Platform Height	 High Floor Low Floor 70 – 80% Low Floor 	
	Stadler Rail Services (SRS)			Stadler Signaling	

- Full Service Comprehensive maintenance
- TSSSA Tailored service support
- Spare part management
- Modernization Upgrade of existing vehicles
- Overhaul of vehicles and components
- Repair of vehicles
- Digital solutions Remote monitoring and condition based maintenance

- ETCS EU Train Control System
- CBTC Comm. Based Train Control
- ATO Automated Train Operation
- Anti-Collision
- PZB & FRED On Board & Wayside
- Interlocking Control and Safety

- Subsystems
- Dynamic Passenger Information
- Services
- Smart Object Controller
- Field Elements

Footprint Salt Lake City (UT) Stadler in North America



View Looking Southwest

View Looking Southeast



Stadler in the United States

Growing fast & sustainably

Stadler in the United States

Ongoing projects

 Caltrain 19 KISS EMU Fleet stable in revenue service Last 2 Trainsets from Base Order & Option 1 in final assembly
 SBCTA 3 FLIRT DMU + 1 ZEMU Start of revenue service with H2 scheduled for spring 2025 Maintenance contract awarded DMU Fleet is running very stable
 MARTA 56 Metro 4-car TS Presentation of vehicle at State of MARTA in February 2025 Production in full swing Award of CBTC system
 USU 1 FLIRT BEMU Design phase near completion Start of final assembly in Q3, 2025
 Caltrans 10 FLIRT H2 Route: Valley Rail and California Ridership: new service Revenue Service: 2027 Power: Hydrogen/Battery
 Caltrain Options 4 KISS EMUs Revenue Service: Expected start in 2025 Power: Electric, runs on 25kV 60Hz AC overhead line

Stadler in the United States

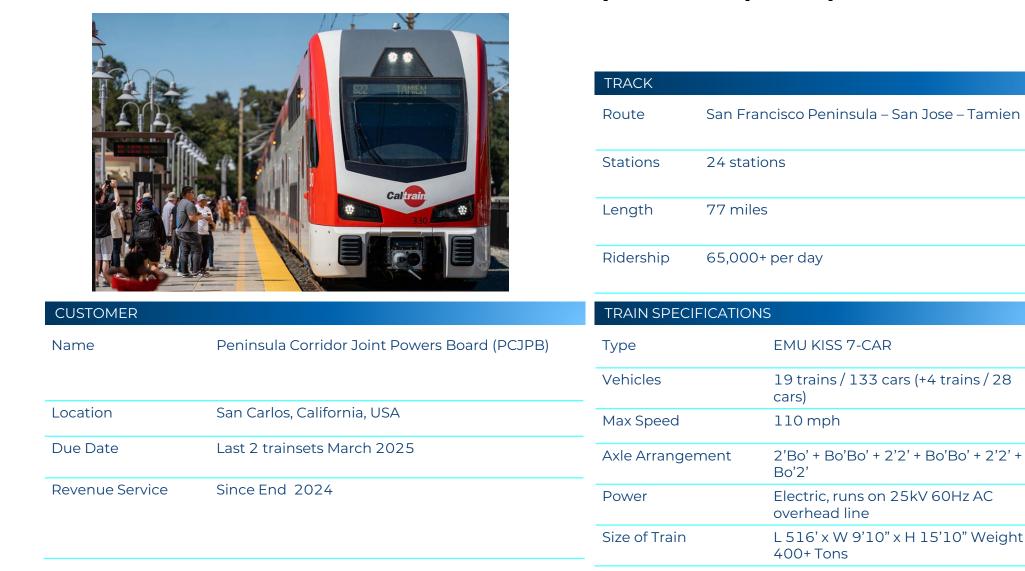
Newly awarded projects

 Caltrain 1 KISS BEMU Revenue Service: Expected end of 2027 Power: Electric, runs on 25kV 60Hz AC overhead line 	
 Metra 8 FLIRT Battery Revenue Service: Expected end of 2027 Power: Battery 	
 TexRail Options A FLIRT DEMU Route: Fort Worth – Dallas International Airport Ridership: 1,900+ per day Revenue Service: Since 2019 Power: Diesel 	
 UTA 20 Citylink LRVs Revenue Service: 2028 Power: 750V DC 	

05

Projects in production 2019 - 2025

Caltrain (CA) KISS Double-Decker Electric Multiple Unit (EMU)





Metropolitan Atlanta Rapid Transit Authority (MARTA) (GA)

Metro

		TRAIN SPECI Type Vehicles Max Speed	FICATIONS	Metro 56 trains / 224 cars 70 mph	
		Axle Arrange Power Size of Train	ment	TBD Electric, 750v DC Thir L 340' x W 10.5'	rd Rail
CUSTOMER		TRACK			
Name	Metropolitan Atlanta Rapid Transit Authority (MARTA)	Route		oort – North Springs; k – H. E. Holmes	MEDICAL CENTER N8 MEDICAL CENT
Location	Atlanta, Georgia	Stations	38 stations		ARTS CENTER NS MDTOWN NG STORE STORE
Due Date	Delivery starting in 2024 and ending 2028	Length	48 miles		PROCTOR BANGHAD P4 I-20 June 10 June 1
Revenue Service	Starts in 2025 and ends in 2029	Ridership	3.6M per ye	ar	The second secon

G FREE DAILY

1.85

1-75

Utah State University (UT) FLIRT Battery Electric Multiple Unit (BEMU)

	TT COM	TRAIN SPECIFICATIONS	
	TAN STATE	Туре	FLIRT BEMU 2-Car
		Vehicles	1 train / 2 cars
	- Alter and ASS Station	Max Speed	79 mph
	MARCE MARCE	Axle Arrangement	4 Powered 4 Unpowered
		Power	Battery
		Size of Train	L 169' x W 9' x H 14'
CUSTOMER		TRACK	
Name	Utah State University (USU)	Route	TBD
Location	TBD	Stations	TBD
Due Date	Delivery in 2025	Length	TBD
Revenue Service	Starts in 2026	Ridership	ТВD



In design and future projects 2024 - 2028

California Department of Transportation (Caltrans) (CA)

FLIRT H2 Zero-Emission Multiple Unit (ZEMU)

		TRACK		Mithie
		Route Sacr	amento - Merced	Sacramento
1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -		Stations 15		Santa Rosa
		Length App	rox 230m per direction	San Francisco
		Ridership tbd		San Jose
CUSTOMER		TRAIN SPECIFIC	ATIONS	G C
Name	Caltrans	Туре	FLIRT H2	
		Vehicles	10 + 19	
Location	Sacramento	Max. Speed	90 mph	
Delivery	Last Trainset delivered expected Q3 2027	Axle Arrangement	Bo'2+2'2'2'2+2'Bo	
Revenue Service	Expected Q1 2028	Power	1000kW, 180kN traction effort in total	
		Size of Train	L97,7m x W2,88m	

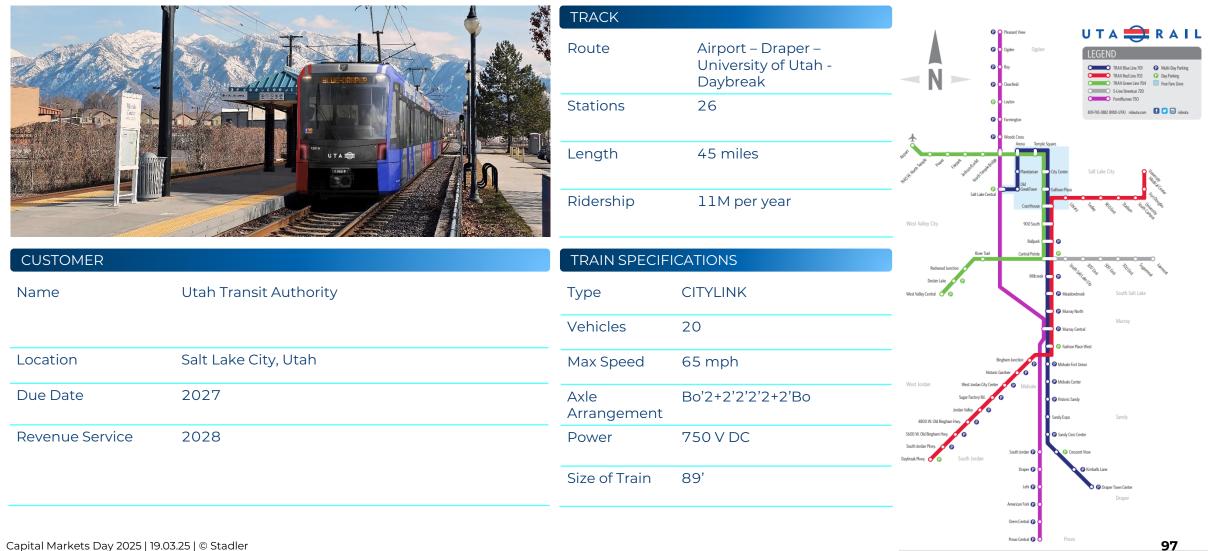
Caltrain Options (CA) KISS Battery Electric Multiple Unit (BEMU)

		TRACK	
		Route	San Jose Tamien -Salinas, CA
		Stations	3 stations
		Length	67 miles
		Ridership	Showcase demonstrator
CUSTOMER		TRAIN SPECIFICATIONS	
Name	Peninsula Corridor Joint Powers Board (PCJPB)	Туре	BEMU KISS 4-CAR
		Vehicles	1 train
ocation	San Carlos, California, USA	Max Speed	110 mph
Due Date	May 2028	Axle Arrangement	2'Bo' + Bo'Bo' + 2'2' + Bo'2
evenue Service	Summer 2028	Power	Electric, runs on 25kV 60Hz AC overhead line; Battery, 1.8+ MWh
		Size of Train	L 327' x W 9'10" x H 15'10" Weight 270+ Tons

Metra / RTA Chicago (IL) FLIRT Battery Electric Multiple Unit (BEMU)

		TRACK Route	Chicago – Joliet (Rock Island Line)	Wheaton 2 Westhester
		Stations	26	Woodridge (17) Darien Bolingbrook
		Length	41 miles	Billemont Calumet Cit
		Ridership	7M per year	d dala en
CUSTOMER		TRAIN SPECIF	TICATIONS	
ame	Metra	Туре	FLIRT BEMU 2-Car	
		Vehicles	8	A construction of the second o
ocation	Chicago	Max Speed	100 mph	
ue Date	June 2028	Axle Arrangement	Bo'2+2'2'2'2+2'Bo	
Revenue Service	TBD	Power	~800kWh	
		Size of Train	L 170' W TBD	

Utah Transit Authority (UT) **CITYLINK Light Rail Vehicle**

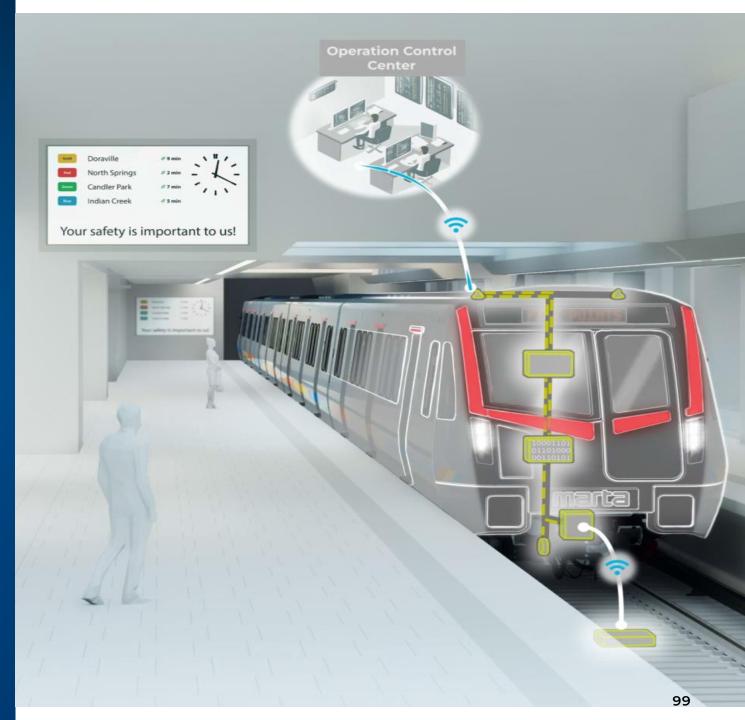


TexRail (TX) FLIRT Diesel Multiple Unit (DMU)

				TRAIN SPEC	IFICATIONS	
	. 4 .	-	*	Туре		FLIRT / 5 car DMU
				Vehicles		4 trains / 20 cars
- marine				Max Speed		79 mph
				Axle Arrange	ement	4 powered 8 unpowered
				Power		Diesel, 700kW
and the second	A AND AND AND			Size of Train		L 266' x W 9'5.4" x H 15'10" Weight 160 Tons
CUSTOMER	2	TRACK				
Name	Trinity Metro	Route	Fort Worth Internation		Map Key	GRAPEVINE/MAIN R DFW AIRPORT STREET STATION TEXRAIL NORTH RICHLAND HILLS/ SMITHFIELD STATION
Location	Fort Worth, Texas	Stations	9 stations		Rail Station	
Due Date	2019	Length	27.2 miles		Place of Intere Bus connectio to Stockyards	n Morth side station
Revenue Service	2019	Ridership	1,900+ per	day	820	Fort Worth Historic Stockyards FORT WORTH FIATION

MARTA signaling

- Project volume approx. 500 Mio USD
- Modernization of infrastructure and on-board equipment
- Upgrade to Communication Based Train Control (CBTC)
- Implementation of Stadler Nova Pro
- Replacement of 3rd party obsolete legacy system
- Breakthrough in NA-market





Raphael Widmer Group CFO

Financial performance and outlook



Conservative accounting principles

Order intake	 Only firm orders are booked as order intake (no options included) Order financing must be secured
Revenue recognition	 Percentage of completion: units-of-delivery method Revenue is only booked when a train is delivered; costs are calculated using actual project margins
Total cost (nature of expense) method	 Expenses are classified by their nature (production costs, engineering costs, project management costs, etc), as opposed to being allocated to business functions
Goodwill	 Goodwill is offset against equity under Swiss GAAP FER
Accounting standards	 The consolidated financial statements of Stadler Rail AG are prepared in accordance with the Swiss GAAP FER accounting principles as well as the provisions of Swiss law and are audited by KPMG.

Financial risk management



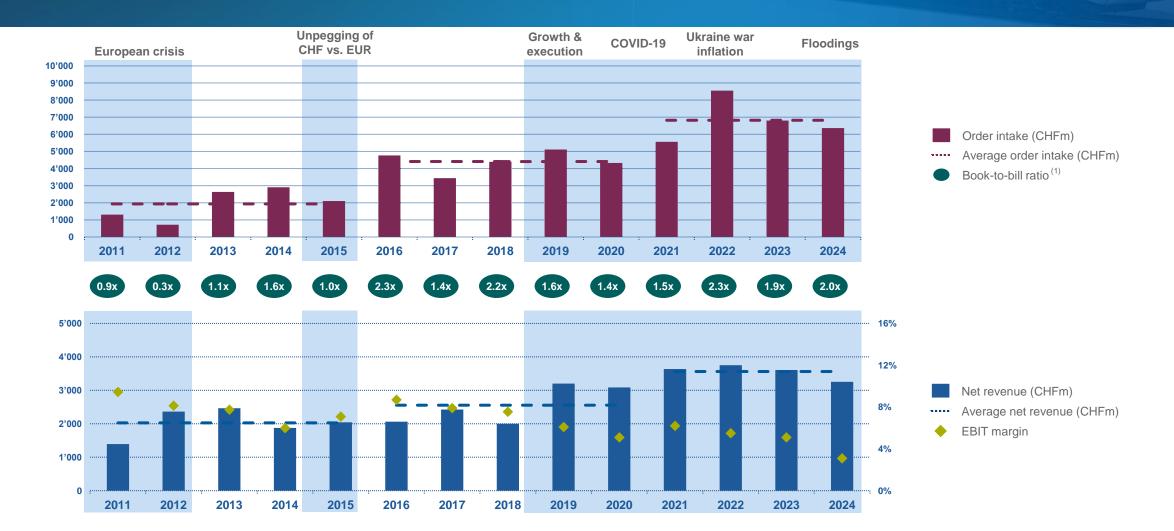
- Currency exposures are naturally hedged where feasible
- In regions where Stadler is exposed to a structural mismatch between the currency of its net revenue and costs, it utilises hedging tools such as foreign currency forward contracts and other derivative instruments in a systematic manner

• A new and macrohedging concept for the EUR/CHF exposure has successfully been implemented

- Customer advance payments are used as an additional instrument to minimise currency exposures
- Treasury and risk management actively monitors financial risks (FX, interest rates, credit risk and liquidity risk)
- Projects are subject to operational and financial review every month

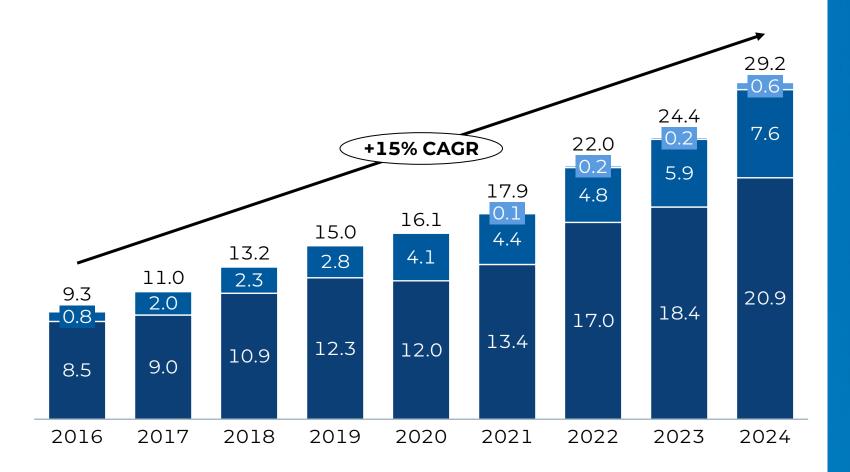
Risk management

Long-term development of key financials



(1) Defined as order intake / net. revenue Capital Markets Day 2025 | 19.03.25 | © Stadler

CHFbn Order backlog



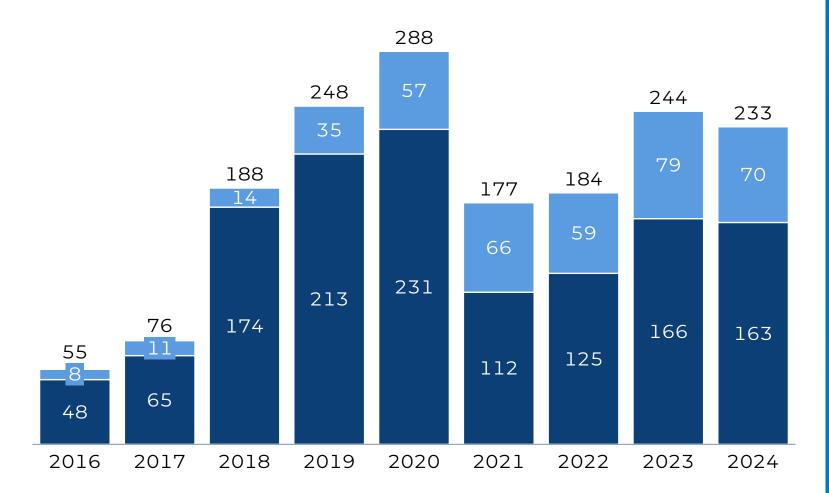
Comments

Order backlog of CHF 29.2bn with a growing Service & Components share providing long-term visibility

Rolling stock Service & Components Signalling

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CHFm Capital expenditure

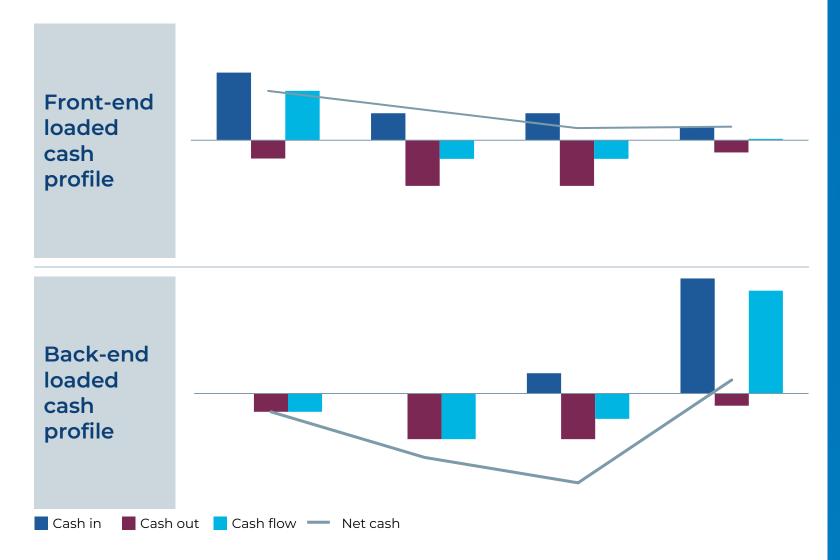


Investments in tangible assets, less grants received
 Investments in intangible assets, less grants received
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Comments

- Capacity investments driven by expansions in Spain, Hungary, the US and Poland
- Intangibles Capex mainly relate to R&D in locomotives, alternative propulsion technology and signalling

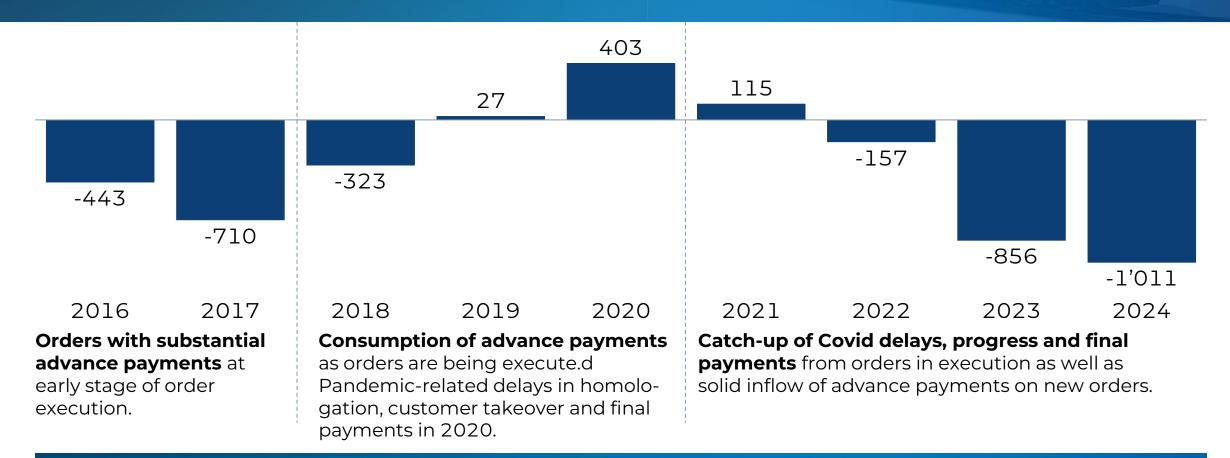
Cash flow cycles through project execution



Comments

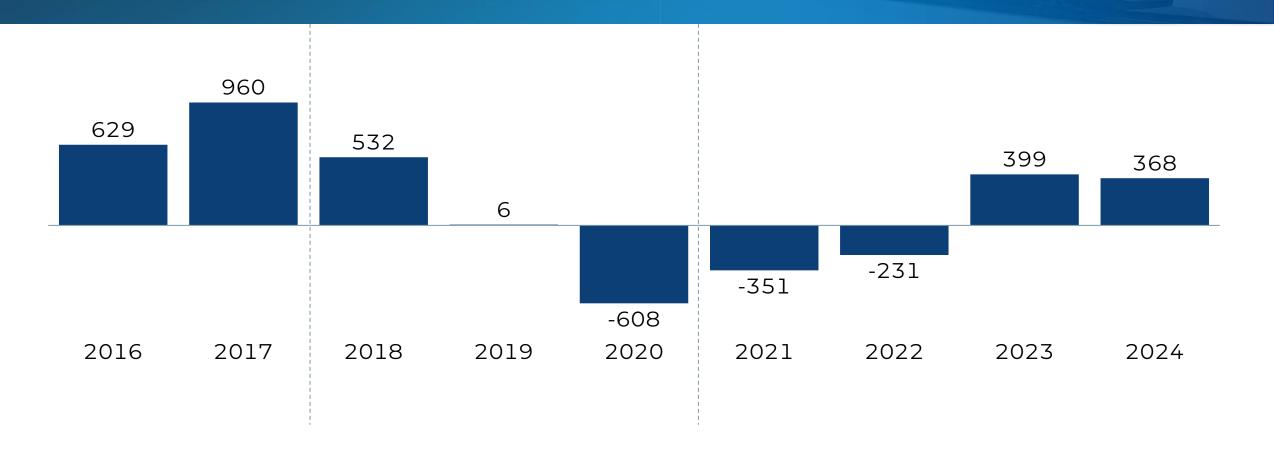
- No structural change in payment terms
- Customer and market specific cash flow profiles typically vary significantly
- Key driver for cashflows in a specific period are the mix of ongoing orders combined with advance payments on new orders
- Financing costs for cashconsuming projects are included in the offer calculation
- Key criteria is the overall project margin

CHFm Long-term net working capital evolution



Net working capital can be subject to significant swings as a result of the lumpy nature of advance, milestone and final payments. Long-term expectation of slightly negative NWC with swings over the cycle

CHFm Long-term net cash evolution

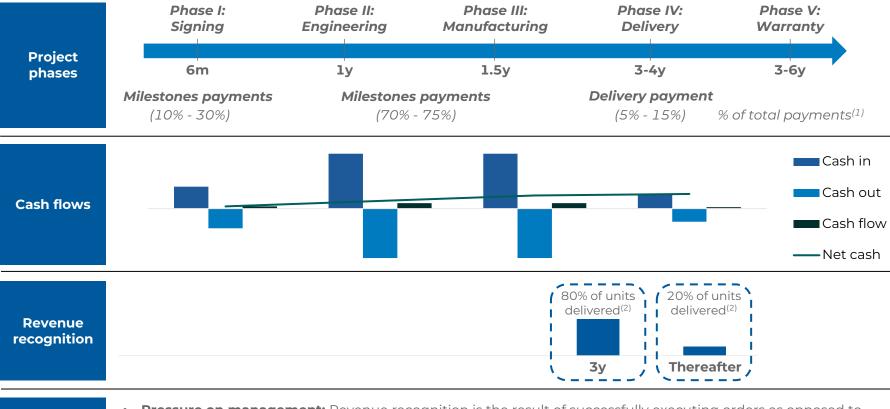


Movements in net cash are mainly driven by swings in net working capital

Deep dive long-term project accounting



Conservative revenue recognition



• **Pressure on management:** Revenue recognition is the result of successfully executing orders as opposed to incurring costs

• Conservative approach: Revenue is recognised relatively late and risk of earnings surprises is minimized

Average values based on management estimates; distribution varies on a project-by-project basis.
 Average values based on management estimates.

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Rationale

CHFm **Production output**



Comments

- Operating activities and production output significantly ahead of revenue recognition by units-of-delivery
- Significant step-up in production output expected in 2025 driving revenue growth into 2026/2027

Notes: Production output equals net revenue plus delta gross work in progress. Bar height for net revenue 2025E to 2027E are only illustrative. Bar height for production output 2025E to 2027E illustrative of the expected increase in production output.

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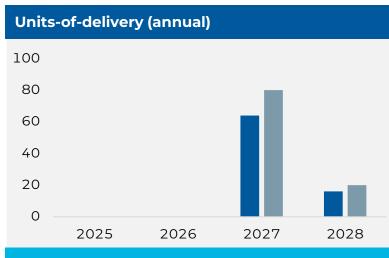
CHFm Example: Units-of-delivery vs cost-to-cost I/II

Assumptions	2025	2026	2027	2028	Total
Manufacturing costs (material & hours)	13.6	30.4	28.8	7.2	80.0
Cash-in (Advance-, milestone- and final payments)	15.0	37.5	37.5	10.0	100.0
Order margin in %					20.0
Vehicle deliveries	0	0	4	1	5

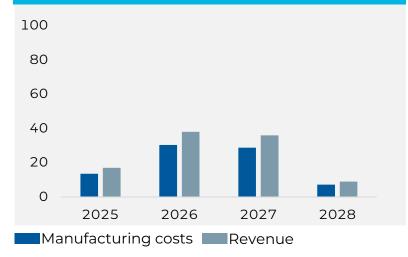
Units-of-Delivery	2025	2026	2027	2028	Total
Percentage of completion in %	0.0	0.0	80.0	100.0	
Manufacturing costs	0.0	0.0	64.0	16.0	80.0
Net revenue	0.0	0.0	80.0	20.0	100.0
Margin	0.0	0.0	16.0	4.0	20.0
Work in progress / (liabilities from work in progress)	(1.4)	(8.5)	(1.2)	0.0	

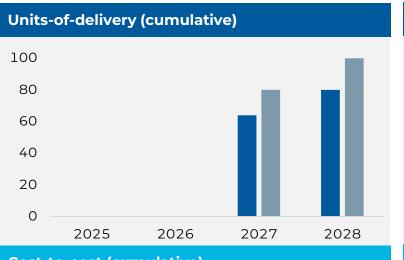
Cost-to-Cost	2025	2026	2027	2028	Total
Percentage of completion in %	17.0	55.0	91.0	100.0	
Manufacturing costs	13.6	30.4	28.8	7.2	80.0
Net revenue	17.0	38.0	36.0	9.0	100.0
Margin	3.4	7.6	7.2	1.8	20.0
Work in progress / (liabilities from work in progress)	2.0	2.5	1.0	0.0	

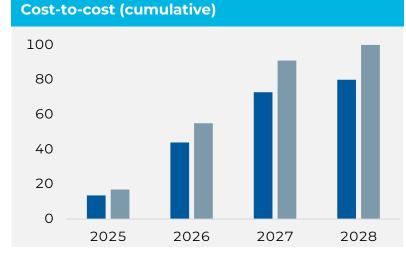
CHFm Example: Units-of-delivery vs cost-to-cost II/II



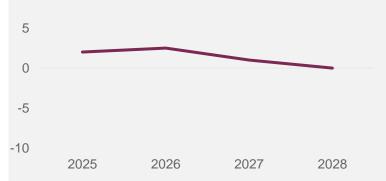
Cost-to-cost (annual)











-----Work in progress / Liabilities from Work in progress

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Work in progress I/II

Assets

in thousands of CHF	31.12.2024
Work in progress	
"Units of delivery" method	
Work in progress, gross	2,103,661
Advance payments to suppliers	77,519
Advance payments to suppliers, related parties	1,482
Advance payments to suppliers, associated companies	22,392
Advance payments from customers	(914,116)
Advance payments from customers, related parties	(47,483)
Total work in progress "units of delivery" method	1,243,455
"Cost to cost" method	
Work in progress, gross	10,138
Advance payments to suppliers	1,243
Advance payments from customers	(3,807)
Full-service contracts, net	81,883
Total work in progress "cost to cost" method	89,457
Total work in progress	1,332,912

Liabilities

Liabilities from work in progress	
"Units of delivery" method	
Work in progress, gross	1,761,941
Advance payments to suppliers	181,461
Advance payments to suppliers, related parties	-
Advance payments to suppliers, associated companies	13,519
Advance payments from customers	(4,820,109)
Advance payments from customers, related parties	(11,887)
Advance payments from customers, associated companies	(7,320)
Total liabilities from work in progress "units of delivery" method	
"Cost to cost" method	
Work in progress, gross	2,718
Advance payments to suppliers	319
Advance payments from customers	(39,515)
Full-service contracts, net	(140,610)
Total liabilities from work in progress "cost to cost" method	(177,088)
Tatal liabilitian from work in monwood	(7.050.(.87)
Total liabilities from work in progress	(3,059,483)
Net work in progress / (liabilities from work in progress)	(1,726,571)

- Work in progress is determined on an order-by-order basis
- Depending on its cashflow profile, stage of execution and percentage of completion, an order can either constitute an asset or a liability from work in progress
- Net work in progress is the main driver for movements in net working capital

Work in progress II/II

Assets

in thousands of CHF	Note	31.12.2024	
Assets			
Cash and cash equivalents		1,260,853	
Trade receivables	2.1	414,269	
Other current receivables	2.7	110,585	
Compensation claims from work in progress	1.3	775,715	
Inventories	2.2	327.863	
Work in progress	1.2	1,332,912	
Accrued income and deferred expenses		59,951	
Total current assets		4,282,148	73.1%
Property, plant and equipment	2.3	1,095,731	
Financial assets	2.4	187,311	
Investments in associated companies	4.3	24,367	
Intangible assets	2.5	265,895	
Total non-current assets		1,573,304	26.9%
Total assets		5,855,452	100.0%

Liabilities

Total liabilities & equity	5,855,452
Total equity	774,079
Minority interests	34,843
Stadler Rail AG shareholders' equity	739,236
Profit for the year, attributable to shareholders of Stadler Rail AG	38,417
Retained earnings	663,259
Treasury shares 3.3	(23)
Capital reserves	17,583
Share capital 3.3	20,000
Total liabilities	5,081,373
Total non-current liabilities	999,344
Non-current provisions 2.6	153,682
Employee benefit obligations 5.3	2,620
Non-current financial liabilities 3.1	843,042
Total current liabilities	4,082,029
Deferred income and accrued expenses 2.7	477,581
Current provisions 2.6	93,944
Other current liabilities 2.7	171,019
Liabilities from work in progress 1.2	3,059,483
Trade pavables 2.1	230.215
Current financial liabilities 3.1	49,787
Liabilities & equity	

Compensation claims from work in progress

in thousands of CHF	Note	31.12.2024	
Assets			
Cash and cash equivalents		1,260,853	
Trade receivables	2.1	414,269	
Other current receivables	2.7	110.585	
Compensation claims from work in progress	1.3	775,715	
Inventories	2.2	327,863	
Work in progress	1.2	1,332,912	
Accrued income and deferred expenses		59,951	
Total current assets		4,282,148	73.1%

Two cases leading to compensation claims:

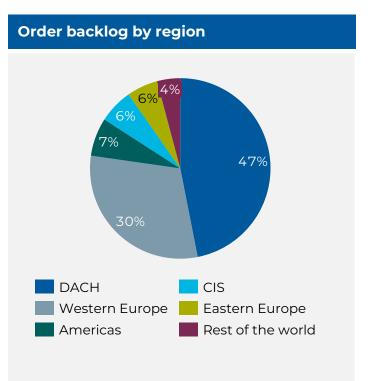
- Customer acceptance has not yet taken place, but all significant performance obligations have been fulfilled and therefore revenue is recognised
- 2. Customer acceptance has taken place and therefore revenue is recognised, but final invoices cannot be issued yet in accordance with payment terms

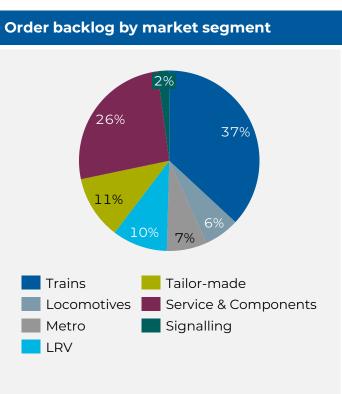
Accounting principles

(extract)

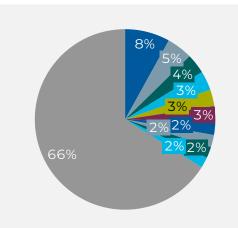
- Revenue from rail vehicles is recognised on the basis of the percentage of completion (by units-ofdelivery), provided the relevant conditions are met
- There are justified cases in which acceptance by the customer is delayed merely for administrative or organisational reasons, but all significant performance obligations have been met. In such cases, the company management assesses the economic situation and may decide to recognise revenue prior to customer acceptance
- In cases where the payment schedule does not correspond to the acceptance schedule and invoicing can therefore not take place until a later date, a compensation claim is recorded

Diversified, high-quality order backlog



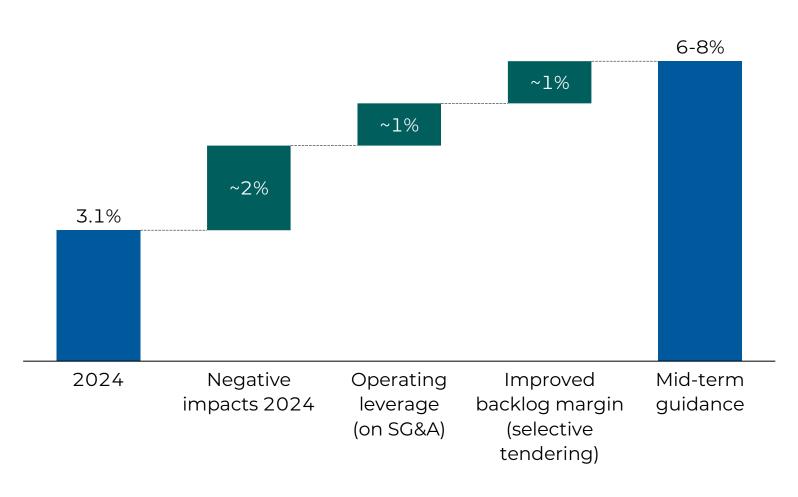


Share of top 10 orders⁽¹⁾



(1) Based on order backlog value in CHF; chart illustrates the share of individual orders, i.e. different orders from the same client are not added up.

EBIT in % of net revenue EBIT bridge to mid-term guidance



Comments

- Negative impacts in 2024 to diminish over the coming years
- Step-up in revenues going into 2026 will lead to significantly higher SG&A absorption
- More stringent and selective sales process drives an increasing backlog margin following through to higher profitability

Guidance

2025 2026 mid-term

Order intake	1.0-1.5 ø book-to-bill	1.0-1.5 ø book-to-bill	1.0-1.5 ø book-to-bill
Net revenue	increase vs 2024	> CHF 5.0bn	> CHF 5.5bn
EBIT-margin	4 – 5%		6 - 8%
CAPEX	~ CHF 250m	~ CHF 200m	max. CHF 200m
Dividend policy (% of profit for the year, attribute shareholders of Stadler Rail AG		60%	60%

FCF

2025 FCF may be negatively impacted by increase in production output and work in progress despite milestone payments from orders in execution. We continue to expect solid advance payments and improved milestone payments.

