PAragon

paragon GmbH & Co. KGaA Earnings Call H1 Delbrück I August 22, 2024

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THURSDAY MAY 10, 7PM

New registrations of

Mercedes sink down

1st Half-year 2024

F

Automobile Manufacturers

Weak start to the year for German manufacturers Weak first quarters for German manufacturers Weak first quarters in the industry about a difficu S-Class: Mercedes is cutting back on shift - but the luxury problem goes much deeper nucease concerns in 2024 automotive year in 2024

Electric Iull, EU tariffs and the U.S. election are hampering the Automotive industry

* SEBATION

Markets

China: Every second new car is electrified

Car boom country India -

but now for real

Combustion engine sales in China collapse -

Western car manufacturers plummet

Far Eastern companies outperform their competitors

in electric drives and digital cockpits technologically superior to the West.

Germany will be overtaken in 2027

Yes, India is growing brutally.

VW Group's market share in China has fallen by 5% Within 4 and a hatayeary ust



News Flow doesn't worry us

paragon depends on the call-off behavior of current customers ...

□ Main headwind: Weak sales of well-known premium OEM with impact on kinematics

... but paragon is in a robust position:

- Stable market leadership in addressed segments, extremely high single-source share
- Profitability supported by high-margin products and cost savings
- Development center and production plant in Kunshan benefits from market growth in China
- Products not threatened by disruptive innovations:
 - Desire for more health protection and comfort essential
 - Speakers and microphones irreplaceable
 - Continuous optimization of aerodynamics goes on
- □ No impact by trends such as transformation/digitalization/autonomous driving/software-defined cars
- Product portfolio regardless of drive type, production not energy-intensive

Executive Summary

Overview

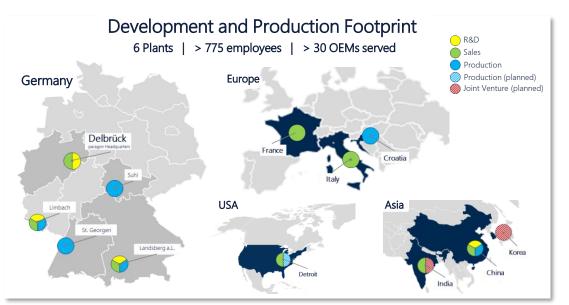
Business Description

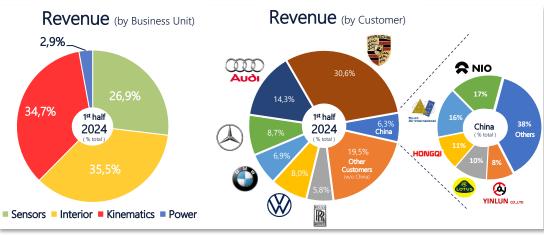
- paragon is a product pioneer for the automotive industry with long lasting relationships with a high number of blue-chip customers
- The company proactively develops proprietary products along the global megatrends to address issues the premium automotive OEMs may not even have considered yet
- paragon has strong engineering and deep value creation capabilities that enable variable innovative solutions across car lines and customers
- Deep footprint in the automotive industry with an ability to adapt on moving market trends

Broad Product Portfolio

Kinematics

Booked business until 2028 amounts to > EUR 750m





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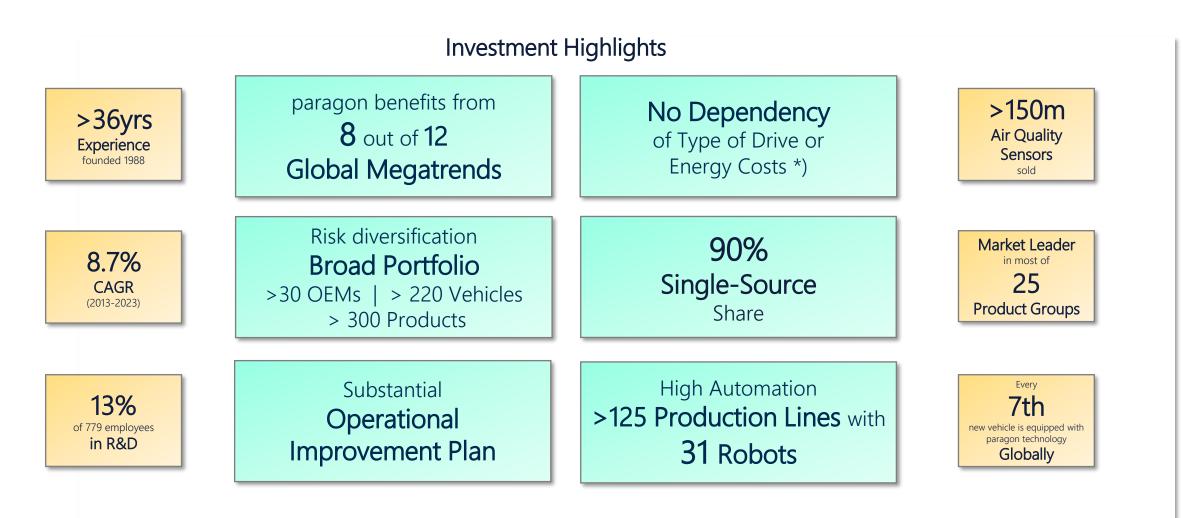
Power



Executive Summary



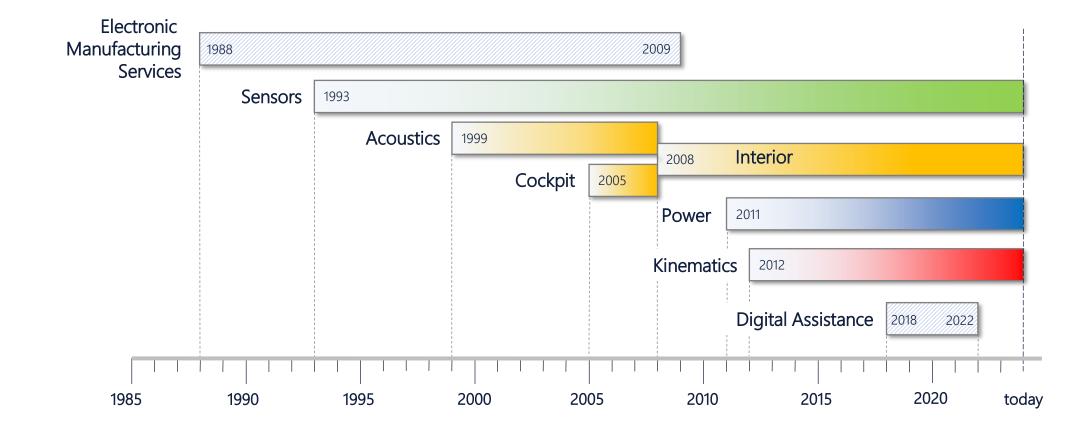
paragon in a Nutshell



Executive Summary



History of paragon



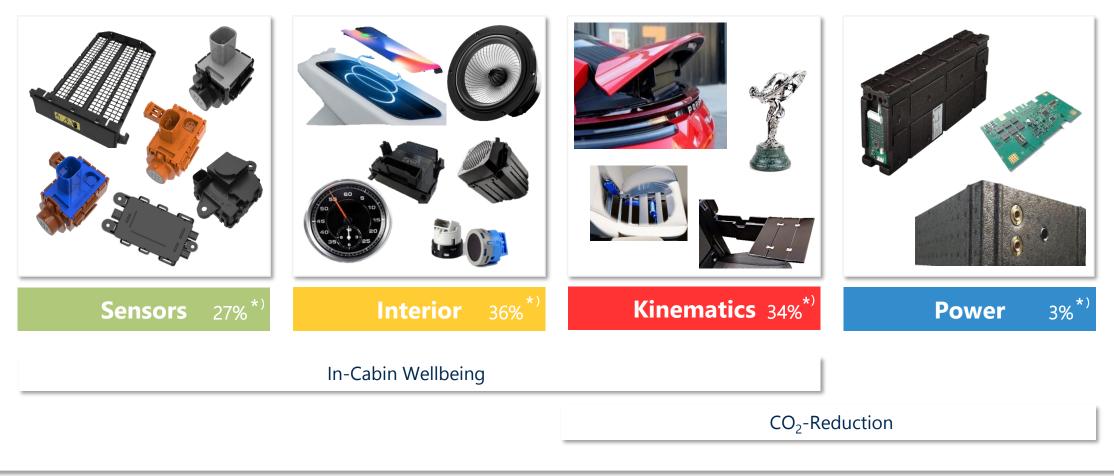
Since more than 36 Years, paragon has build-up an Automotive Tier 1 with Proprietary Products

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Product Portfolio Today - Overview

*) ... of H1/2024 revenues





Product Portfolio Today - Sensors



World market leader for In-Cabin Air-Quality

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Product Portfolio Today - Interior







Broad product spectrum incl. sound systems and signal processing

Tweeters, midranges, woofers, subwoofers, headrest and ultimate speakers

Special solutions like exciters, air motion transformers, high-temperature exhaust speakers, external speakers for e-vehicles

Small to high volumes, entry to awardwinning high-end levels

White label branding possible (e.g. B&O, Bespoke Audio, ETON)

Microphones

Multiple use cases such as voice assistance, vehicle noise control, handsfree and in-car communication, road and wind noise cancellation, external microphones for autonomous driving

Clever combination of acoustical mechanics and adaptive electronic filter

Very low wind sensitivity by active and passive elements

Analogue and digital interfaces

Cutting edge tech and efficient manufacturing In-Cabin Wellbeing



Instruments

Market leader with very well-known chronometers, analogue clocks, compasses and control applications

The choice for premium and luxury cars

Many more analogue and hybrid instruments for any use case

Own design team to meet any customer requirement

Inhouse stepper motor and plastic parts development and mass production



Wireless Charging

High efficiency wireless charger based on Qi-standard

Patented active cooling system

Self diagnostic

Member of Wireless Power Consortium (WPC) since 2013



Product Portfolio Today - Kinematics



Spoilers

Electro-mechanical systems for high variety of vehicles

Application in sportscars, hatch, station cars, SUVs, e-vehicles and trucks

High innovation and realization competence

Range extension for e-vehicle by reduction of air resistance

Actuators

Drive systems for active spoilers and seat adjustment

Integrated electronics and sensors for advanced vehicle architecture

Multi-stage gear reduction with powerful DC-motors

Fast operation of heavy loads



Folding Tables

Special folding system to minimize space

Various electronic interfaces (wireless charging, USB-C, displays and keyboards

Lightweight through use of magnesium and aluminum

Resists head impact

Meets various crash requirements



Special Kinematics

Tailor-made solutions with costeffective development

Electrical lowering mechanism of hood ornament

Anti-theft and pedestrian crash protection

Wind deflectors for convertible cars and motorcycles

Easy operation with 3D-movement

High-sophisticated Kinematics for Exterior and Interior

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Product Portfolio Today - Power





Battery Management Systems

Huge background with ECU projects

Predictive algorithms

Intelligent balancing

SW-based safety concept incl. topedge SOC/SOH-calculation

New quiescent current concept (deep-sleep and transport modes for extended shelf life)

Traction Batteries

Lightweight concepts

Use of Flow-Shape-Design technology

Embedded battery safety

"Lord of the cells" battery management



Flow-Shape-Design

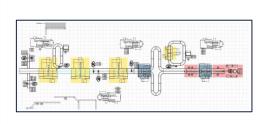
Expanded foam as case for battery systems and modules

Substitution of conventional metal housing

Less weight/space/costs

Absorption of shocks/vibration/ temperature

Licenses available



Consulting

Technology transfer in regards of Flow-Shape-Design

Projecting and realization of production lines

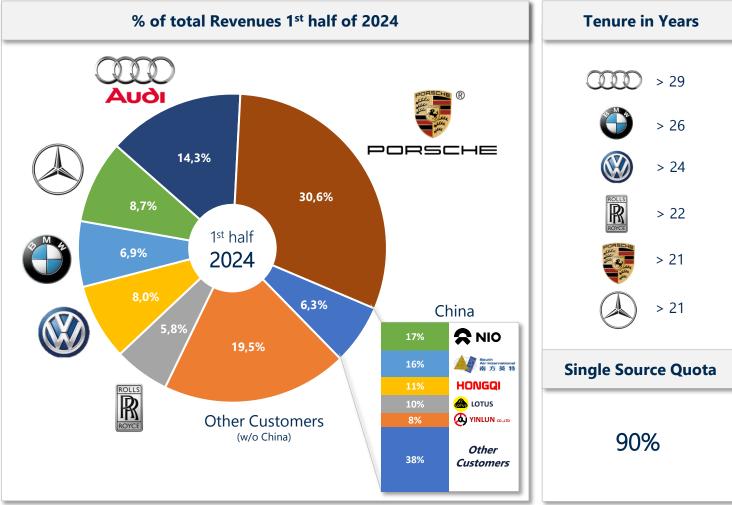
In-house production of test equipment

Turn-key projects

Game-Changing Battery Technologies



paragon's Premium Automotive Customers



s	Comments
	 paragon is a trusted partner and supplier of choice for global blue-chip customers
	 Top 10 customers account for approx. 83% of the company's total revenue and have an average tenure of 18 years
	 For the vast majority of customers (approx. 90%) paragon is the single source, demonstrating high satisfaction and loyalty
	 As a midsize automotive Tier 1-supplier, paragon was able to successfully position itself in interesting growth segments
	 Through the blue-chip customers, paragon has a broad network at the core of the automotive industry
ota	



Global Footprint





Continuation of Regional Expansion





"Revenue development in line with expectations"

"Operating profitability significantly improved (EBITDA-ratio: 11.3%)"

JALAA.

GROUP INTERIM REPOR

"Positive operating cash flow at EUR 2.6m"

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P&L Development paragon – First Half 2024

Income Statement in MEUR	H1/2023	H1/2024
Revenues	86,6	75,4
Other own work capitalized	0,3	1,6
Change of finished goods	-1,3	0,7
Other operating income	2,8	2,1
Total operating performance	88,4	79,8
Costs of materials	-46,9	-42,0
Personnel expenses	-22,8	-21,2
Other operating expenses	-10,6	-8,1
EBITDA (cont. Operations)	8,1	8,5
Depreciation & amortization	-6,9	-6,3
EBIT	1,2	2,2
Interests	-7,4	-3,2
Taxes	0,6	0,0
Earnings (continued operations)	-5,6	-1,0
(Discontinued operatins)	7,0	N.A.
Earning (cont. & disc. operations)	1,4	-1,0

Comments
As expected, revenues fell to EUR 75.4m after 6 months following the sale of the starter battery business in fall 2023 (H1/2023: EUR 86.6m)
Current sales trend also reflects the slow recovery in customer call-off behavior (mainly reduced volumes of different kinematics for a premium OEM)
Despite the challenging market environment, EBITDA improved from EUR 8.1m (prior-year period, ratio 9.3%) to EUR 8.5m thanks to various optimization measures - EBITDA ratio now at 11.3%
Reduced net debt leads to a significant reduction in financing expenses
Results from continued operations significantly improved from EUR -5.6m in H1/2023 to EUR -1.0m in first half of 2024



Focus on Working Capital Management

Inventories & Contract Assets

- Slight decrease by EUR 0.8m compared to December 2023 due to working capital management
- Further inventory management activities ongoing

_ Accounts Receivable

+ EUR 2.0m compared to December 2023 due to normal seasonal fluctuation

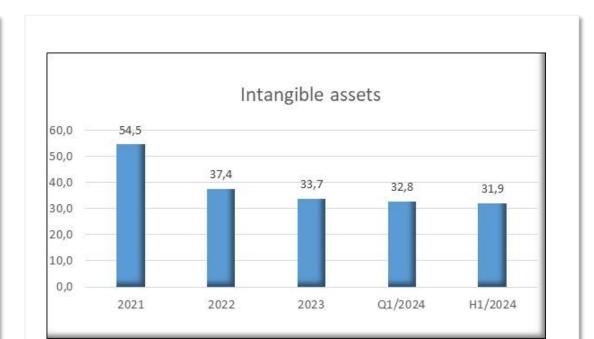




Intangible Assets further decreased

_ Intangible assets

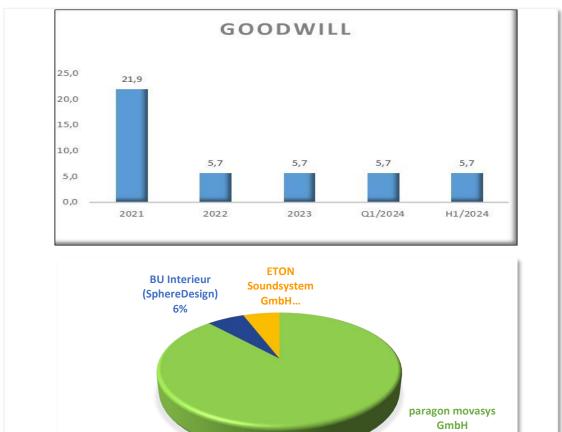
- 2022: Decrease of EUR 13.7m due to sale of paragon semvox to CARIAD
- 2023: Decrease of EUR 3.7m due to planned amortization as well as the asset deal with Clarios
- □ H1/2024: Decrease due to planned amortization
- Thereof EUR 2.5m intangible assets acquired in business acquisitions, which are amortized on a scheduled basis
- Thereof EUR 18.0m IAS 38 projects, which are amortized on a scheduled basis



Goodwill reduced

Inventories

- Goodwill amounts to EUR 5.7m
- Goodwill related to paragon semvox GmbH (EUR 16.1m) (73.5%) sold to CARIAD SE
- Reduction of Goodwill by appr. 34 (EUR 16.1m)
- EUR 5.1m relates to paragon movasys GmbH (largest BU)
- EUR 0.3m each are attributable to SphereDesign GmbH and ETON Soundsysteme GmbH





88%



EUR-Bond: Buy-back Program

_ Details:

Nominal volume ("Rahmennominal") reduced to EUR 45.2m in 2023

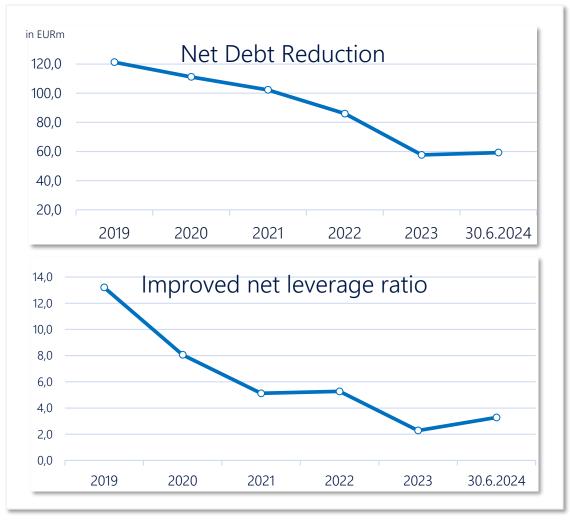
- □ Interest rate dependent on net leverage ratio confirmed by auditor at year end
- Down from 9.25% to 7.5% from January 5, 2024, on
- Bond is due July 5, 2027

Buy back program:

- Actual terms and conditions give paragon the right to chose from different options to reduce the outstanding volume after selling paragon semvox GmbH
 - Current repurchasing program of EUR 20.1m fulfills terms and conditions completely
 - paragon has to comply with the Market Abuse Regulation; daily trading is limited until today paragon acquired EUR 0.6m
 - If repurchasing program isn't successful until July 5, 2025, program could be prolongated or followed by a second repurchasing program
 - Only final maturity in three years is decisive too far away in time as anyone could have an already fixed solution on hand
 - paragon has different options for repayment in mind (new bond, syndicated loan, or combination of both)



Substantial Debt Reduction



Comments
_ Net Debt Reduction
Since end of 2019 net debt was reduced by more than 50% from EUR 121.3m to EUR 59.2m
Average monthly reduction in the last 54 months was EUR 1.2m
paragon has achieved a solid base
_ Improved Net Leverage Ratio ("NLR")
NLR significantly improved from 13.2 to 3.3 due to reduced debt level and improved profitability
Interest rate of bond depends on net leverage ratio; Reduced NLR led to an interest rate of 7.5% from Jan 5, 2024, on





H1/2024: Highlights at a Glance

Increase of operating cash flow from EUR -5.4m to EUR +2.6m

Moderate recovery of automotive industry expected in H2/2024

Product launches in H2 - Revenue target of EUR 160 to 165 valid

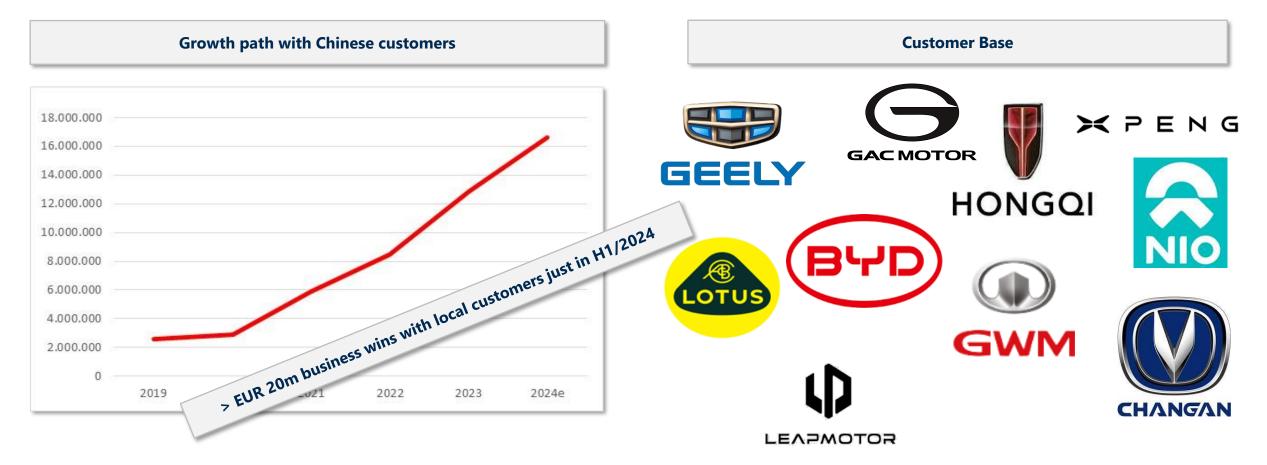
EBITDA target of EUR 18 to 20m underpinned by various measures

Slightly positive earnings expected for FY 2024

The Strategy



China Strategy: Local for Local

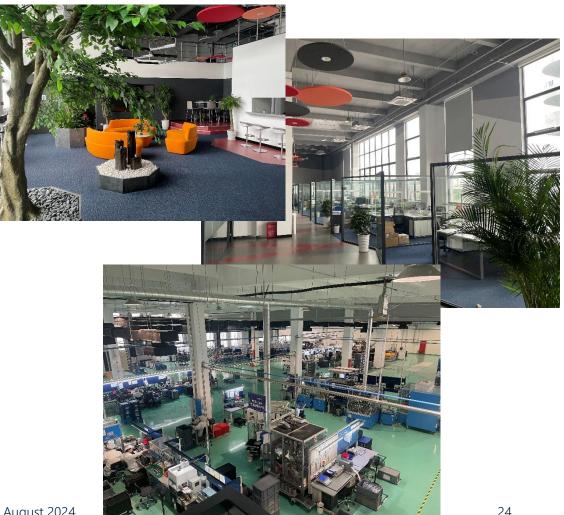


The Strategy

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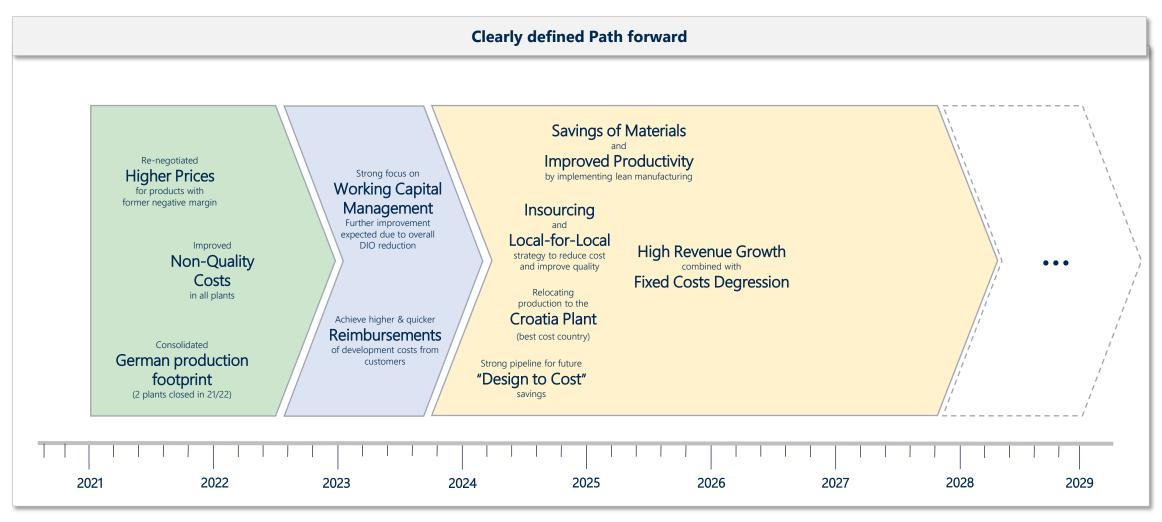
H1/2024: New Concept Plant inaugurated in Kunshan (China)

- Move from 2015' plant in the neighborhood to state-of-the-art facility
- 6 months construction time relocation took only 3 weeks with production ongoing
- More than 4,000 sqm production and office space for 70 employees
- Production of i.a. air quality products, adaptive spoilers, and cable harnesses for 30+ customers
- Competent R&D-team has developed products adapted to Chinese market
- Cornerstone for further growth together with Chinese OEMs ("Local-for-Local")
- Plant acts as concept for all future paragon-plants worldwide





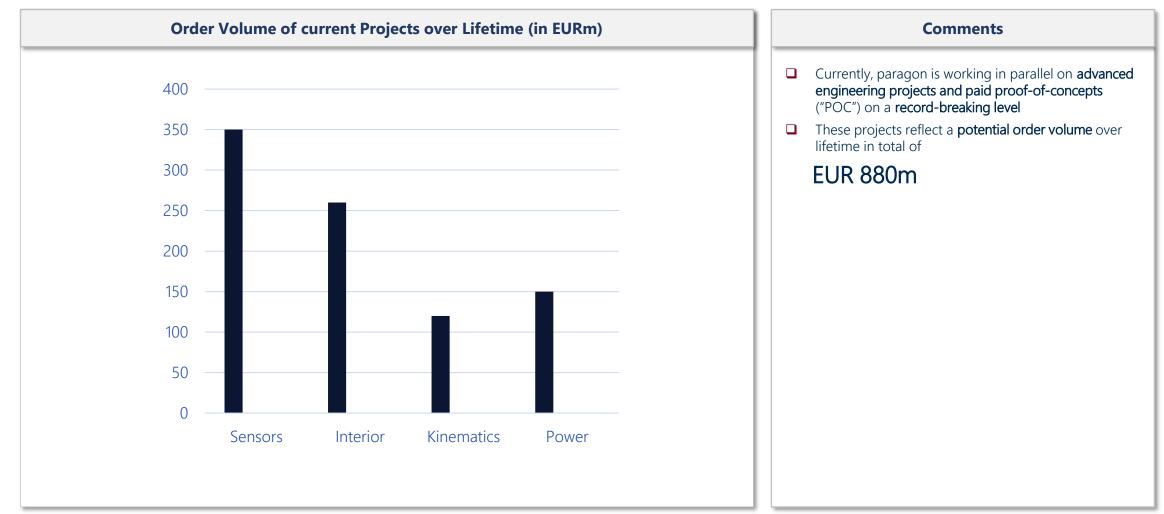
paragon's Substantial Operational Improvement Plan



The Strategy



Potential Order Volume pending



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