

Company Presentation Figures Q 1-2025

13 May 2025

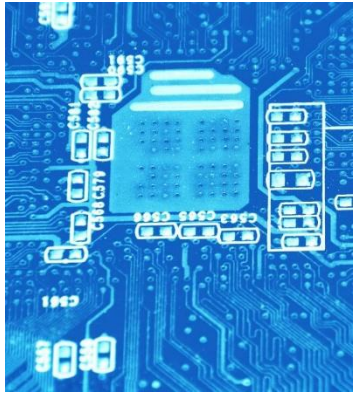


SINGULUS 

Company Business Segments

Leverage Technological Advantages
and Innovation Across all Segments

New Business



Semiconductor



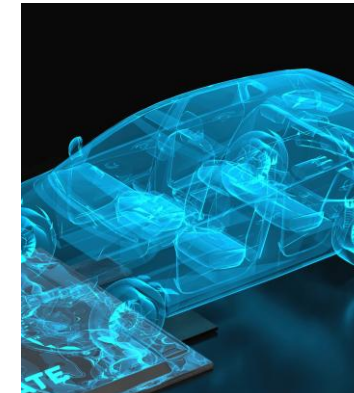
Life Science



Photovoltaics



Hydrogen



Battery



New Applications

SINGULUS TECHNOLOGIES Overview Q1-2025

Financial Key Figures

in million €	Q1-2024	Q1-2025
Revenues	20.6	16.4
Order intake	33.2	6.4
Order Backlog (31.03.)	71.6	67.4*
EBIT	0.6	0.5
EBITDA	1.2	1.0
Result before tax	-0.1	-0.3
Result for the period	-0.1	-0.3
Operating cash flow	-7.2	-0.5
Shareholders' equity	-44.4	-50.4
Total assets	67.2	61.1

* The order backlog was corrected after publication.

Financial Key Figures Q1-2025

Profit & Loss Statement

in million €	Q1-2024	Q1-2025
Gross revenues	20.6	16.4
Net revenue	20.5	16.4
Gross profit (in % of net revenues)	6.0 (29.4 %)	5.7 (34.6 %)
R & D	-0.9	-1.1
Sales & customer service	-2.8	-2.6
GM & A	-1.8	-1.8
Other income/expenses	0.1	-0.2
OPEX	-5.4	-5.2
EBIT (in % of net revenues)	0.6 (2.9 %)	0.5 (3.0 %)
Net result	-0.1	-0.3
EPS (basic; €)	-0.01	-0,03

Financial Key Figures Q1-2025

Balance Sheet

in million €	31.12.2024	31.03.2025
Available cash	11.3	7.7
Restricted cash	1.1	2.9
Total current receivables and other assets	20.8	26.2
Total inventories	6.2	5.1
Non-current assets	19.1	19.2
Total assets	58.5	61.1
Total current liabilities	79.9	83.3
Total non-current liabilities	28.6	28.2
Total equity	-50.0	-50.4
Equity and liabilities	58.5	61.1

Financial Key Figures Q1-2025

Cash Flow Development

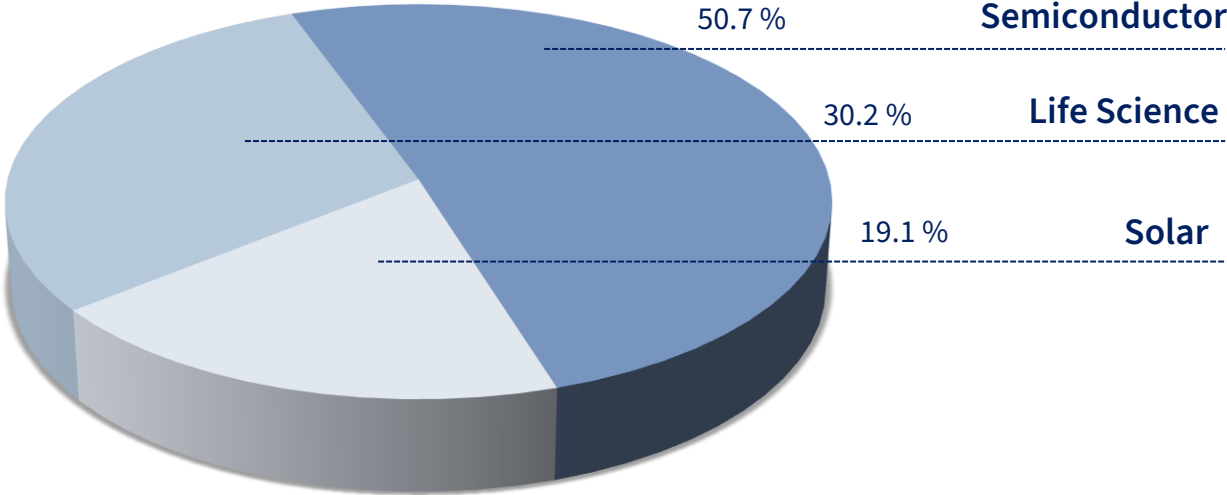
in million €	Q1-2024	Q1-2025
Cash flow from operating activities	-7.2	-0.5
Cash flow from investing activities	-0.7	-0.6
Cash flow from financing activities	2.7	-2.5
Total cash flow	-5.2	-3.6
Liquid funds at the beginning of the fiscal year	11.5	11.3
Effect of exchange rate changes	0.0	0.0
Liquid funds at the end of the fiscal year	6.3	7.7

Financial Key Figures 2025

Sales Split By Segments

Q1-2024

Solar	56.8 %
Life Science	34.0 %
Semiconductor	9.2 %

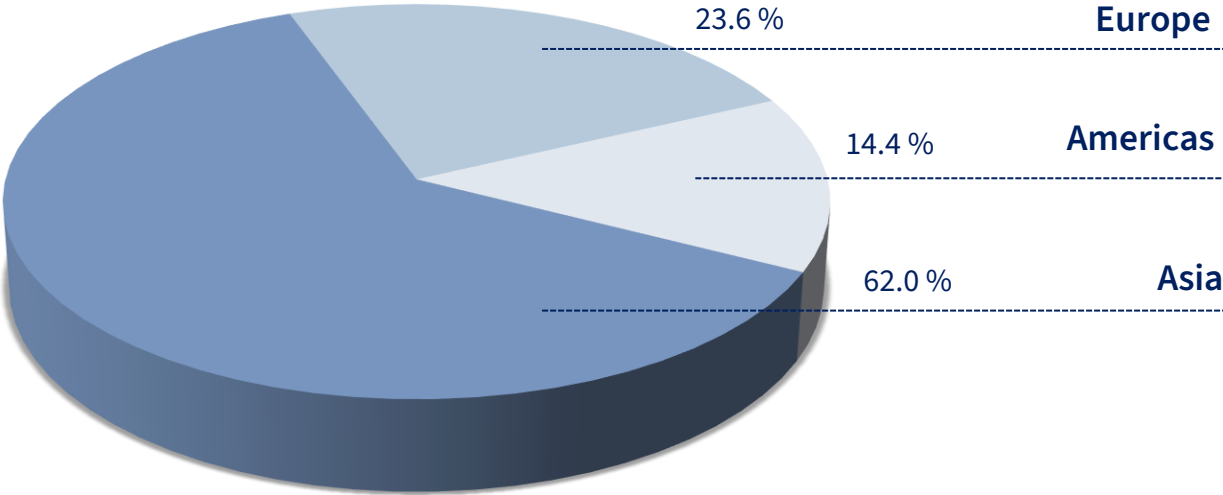


Financial Key Figures 2025

Sales Split By Region

Q1-2024

Asia	71.5 %
Americas	3.0 %
Europe	25.5 %



Employees

	Δ	31.12.2024	31.03.2025
SINGULUS Group	3	289	292
Domestic	3	246	249
Abroad	0	43	43



SINGULUS Core-Technology Platforms

Vacuum Deposition Technologies

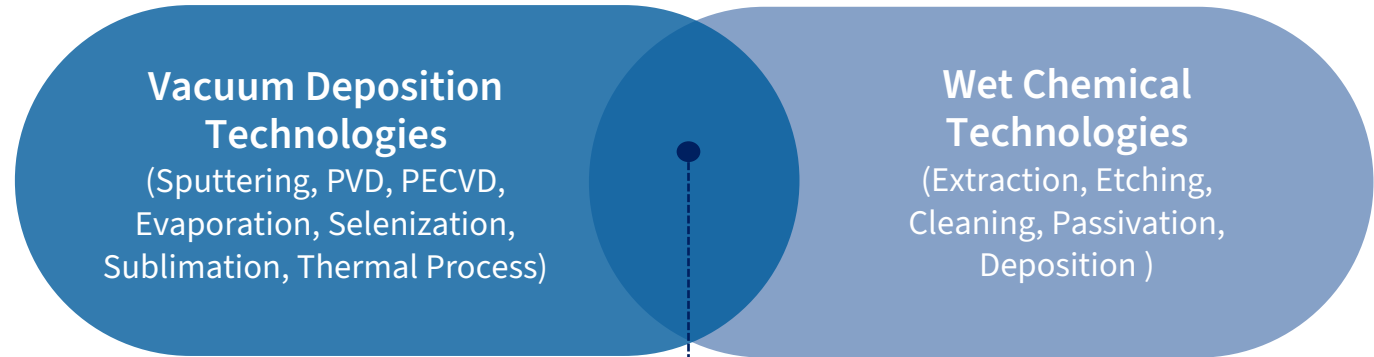
(Sputtering, PVD, PECVD, Evaporation, Selenization, Sublimation, Thermal Process)

Wet Chemical Technologies

(Extraction, Etching, Cleaning, Passivation, Deposition)

Strategic Business Development

- Strengthening SINGULUS' unique, sole-standing position as the only equipment company offering both Vacuum Deposition and Wet Chemical process solutions
- Identify business opportunities that utilize our competitive strength
- Enhance the SINGULUS platform with existing Technologies to enter new markets
- Build further competencies and capabilities beyond Germany



Important Unique Selling Point

Unlock Emerging Business & Customer Opportunities

- Electrolysis and carbon capture systems components
- Solid-state battery components
- Medical applications
- Semiconductor applications, especially for sensors
- Solar turnkey
- Solar Perovskite

SINGULUS TECHNOLOGIES

Product Portfolio

PVD Sputtering



GENERIS PVD
Inline Sputtering System with Horizontal Substrate Transport



HISTARIS
Inline Sputtering System with Horizontal Substrate Transport for Glass Applications



VISTARIS
Inline Sputtering System with Vertical Substrate Transport



SPUTTERING SYSTEMS
for R&D and Pilot Production



POLYCOATER
Inline Sputtering Machine for Metallization of 3D Parts



SEMICONDUCTOR
300 mm Cluster Tool



Micro LED
Vacuum Deposition Tool

Plasma-Enhanced CVD (PECVD)



GENERIS PECVD
System for Plasma-enhanced CVD (PECVD) Processes

Evaporation/ Sublimation and RTP



SELENIUS
Processing Systems for Evaporation of e.g. CIGS Thin-Film Solar Cells



CSS
Close Spaced Sublimation (CSS) for the Production of e.g. CdTe Solar Modules



CISARIS
Selenization/Sulphurization with High-End Rapid Thermal Process (RTP)

Edge Passivation



GENERIS PET
System for Edge Passivation

Wet Chemical Treatment



SILEX III
Batch System for High Performance Solar Cells



MEDLINE
Cleaning & Deposition of Medical Products



MATERIA
Cleaning of SILOCON

Surface Refinement



POLYCOATER
Inline Sputtering System



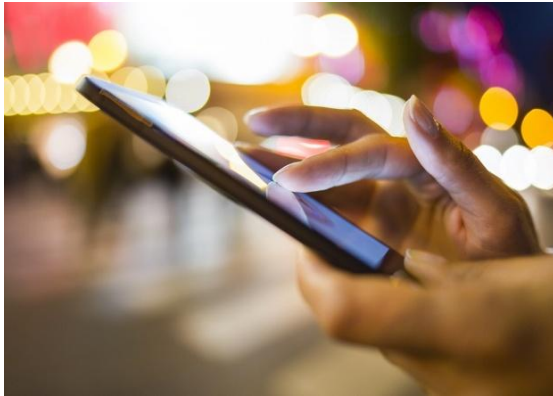
DECOLINE II
With Integrated Lacquering System



PAINTLINE
Inline Lacquering System for 3D Parts

Thin Film Coating and Surface Treatment

Advanced Process Technology Opens New Business Opportunities



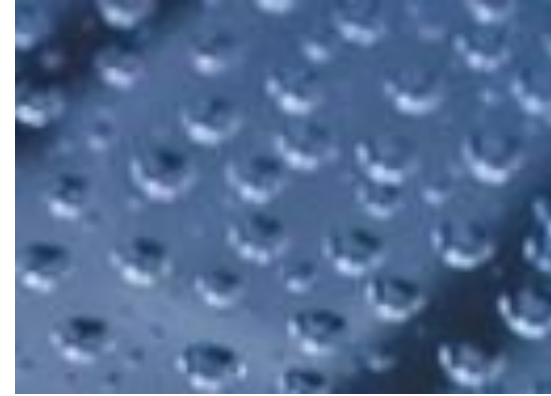
Thin-Film Deposition

- Sputtering (PVD) deposition
- PECVD (ICP, μ -Wave)
- Evaporation



Surface Engineering

- Lacquering
- Embossing
- Plasma cleaning & etching



Wet Chemical

- Cleaning / washing
- Etching / polishing
- Texturing
- Coating and Developing



Thermal Processing

- Rapid thermal processing (RTP)
- Conditioning
- Annealing

Medical Technology Applications

More Applications for Coating & Wet Processing

- Washing and pre-cleaning
- Cleaning & etching
- Ultra or mega sonic cleaning
- Surface conditioning & modification
- Vacuum coating & electrochemical etching



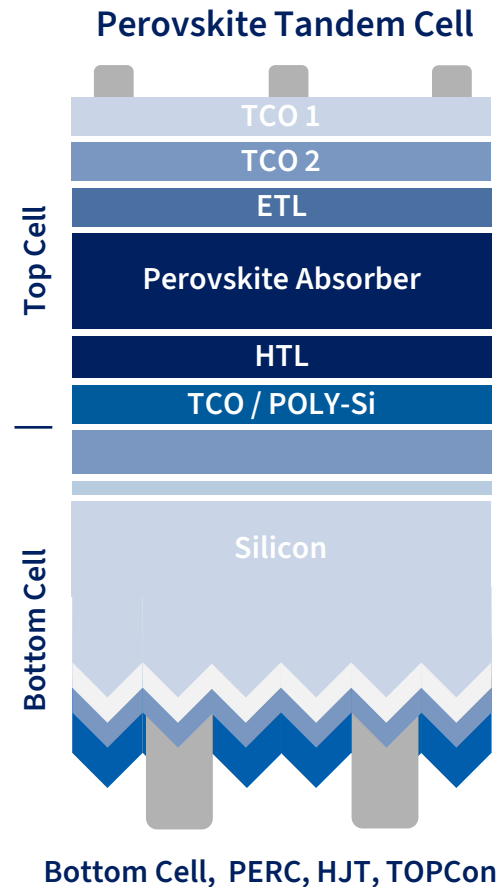
High Volume Production Systems

Eco-Friendly, Recyclable Coatings of 3D Parts

- Embedded coatings
- Semi-transparent coatings
- Hard coatings
- Barrier coatings
- Antibacterial coatings
- Flexible coatings



Perovskite Technologies

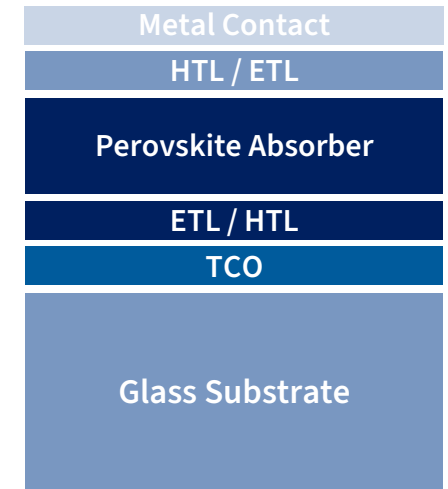


New Functions

Processes

TCO	Soft sputtering
Buffer layer	Probably avoidable (soft sputtered TCO)
ETL	Evaporation
Absorber	Evaporation or hybrid process
HTL	Sputtering (evaporation)
Interface layers between silicon and perovskite cell	Hybrid sputtering and self assembled monolayer
Optimized surface structure of silicon bottom cell	Wet chemical processes, batch or inline

Perovskite Single Cell



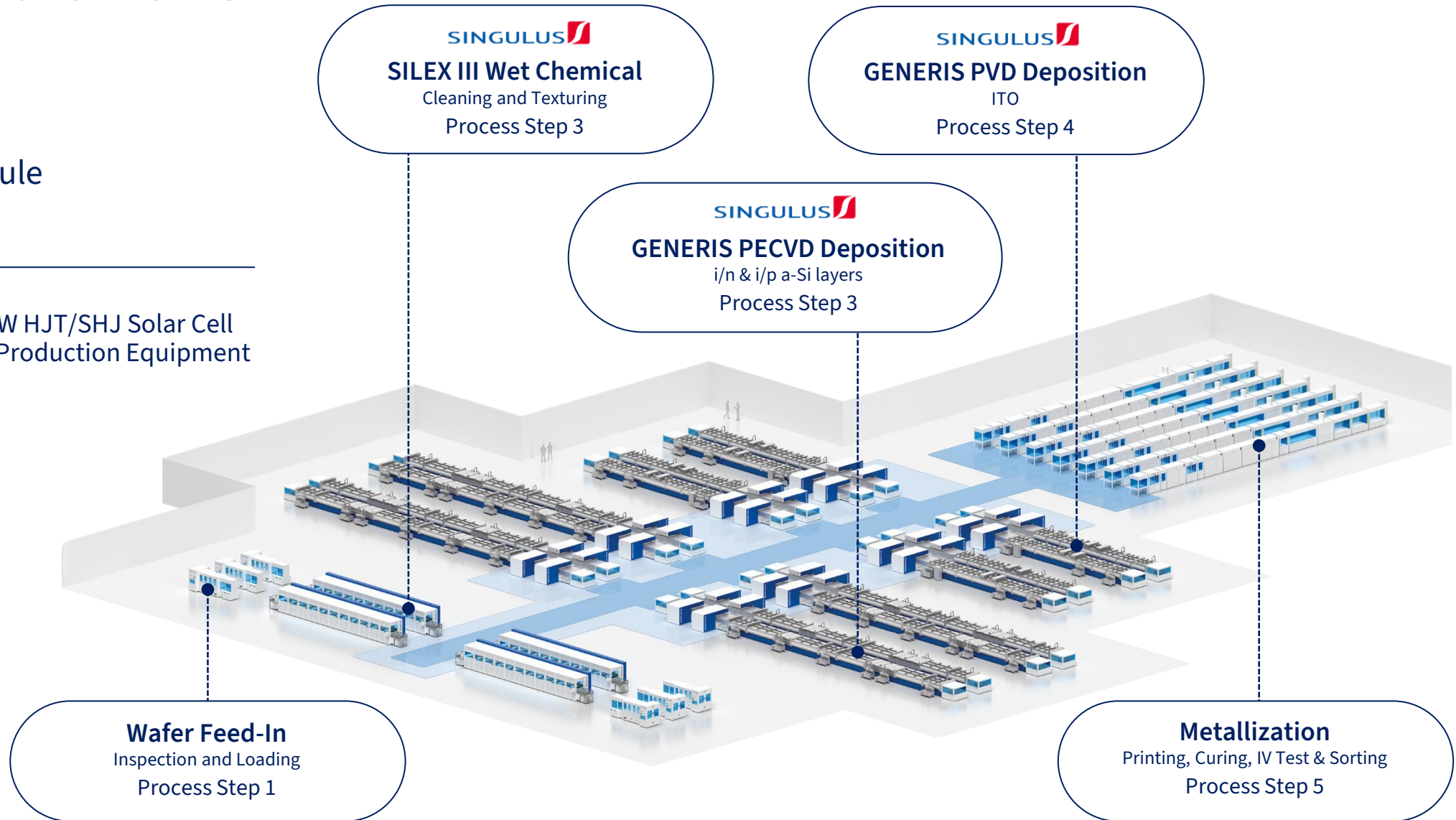
Innovative Perovskite Solutions – Bottom Cell & Top Cell



Turnkey Solutions

For Solar Cell & Module
Production Lines

Schematic Layout of a 2 GW HJT/SHJ Solar Cell
Production Line with Key Production Equipment



Components for Fuel Cells and Electrolyzers

For Hydrogen Applications

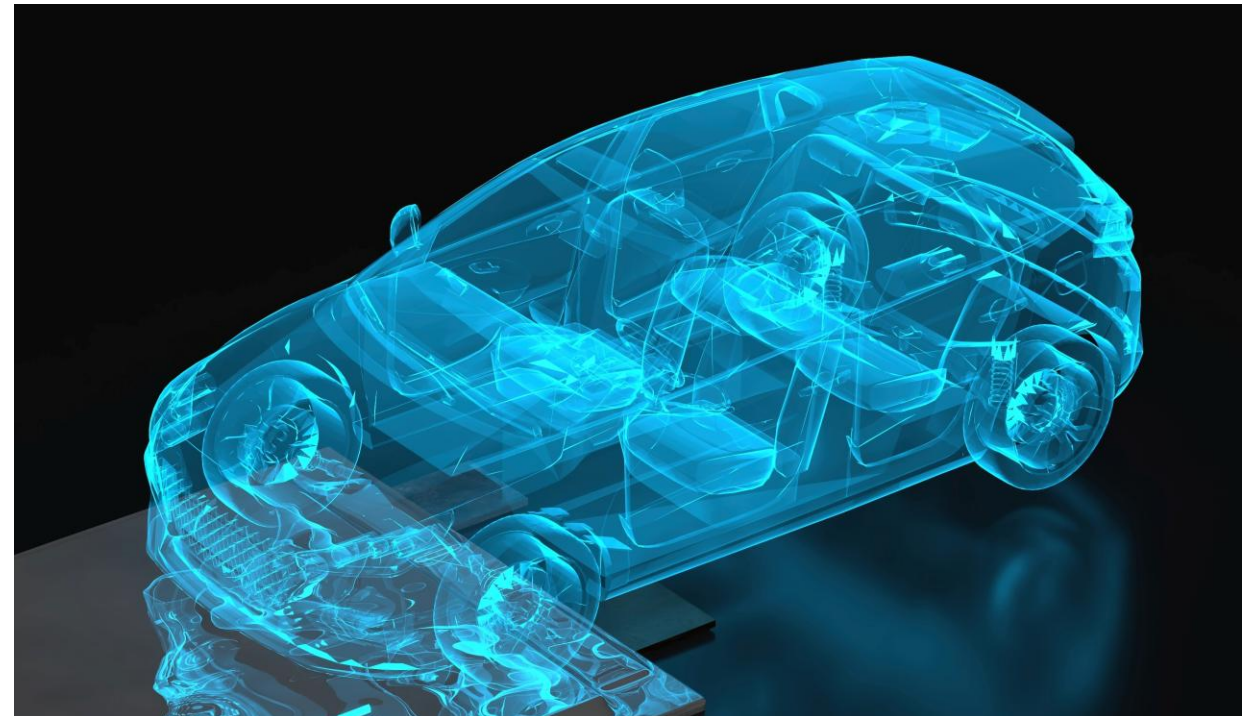
High volume systems for advanced PVD processing and chemical batch treatment



Key Manufacturing Steps for Next Generation Battery Cells

Process Applications for New Battery Cells

SINGULUS TECHNOLOGIES uses its expertise
in surface technology to industrialize the
production of batteries

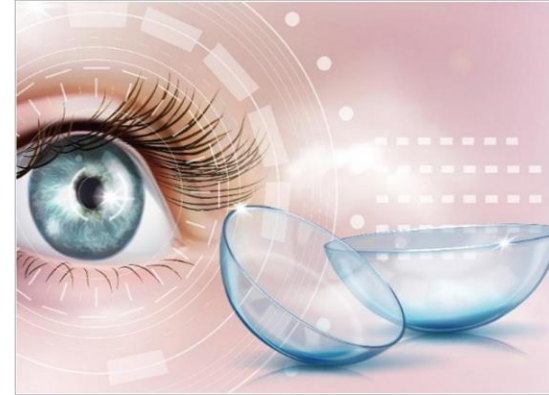


Thin Film Coating and Surface Treatment

Innovations in
Emerging Technologies
with High Growth Potential



Semiconductor



Medical Technology



Photovoltaics



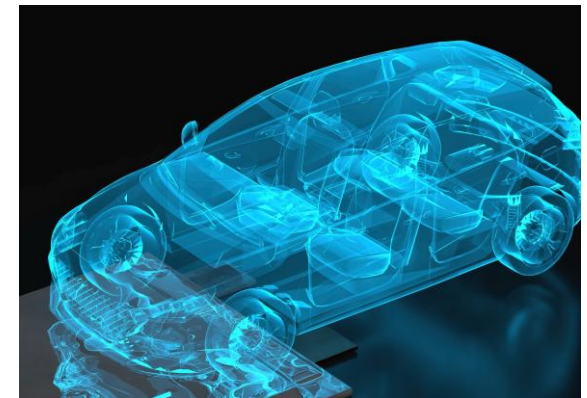
Glass / Automotive



Packaging Industry



Hydrogen



Battery

Outlook 2025 & 2026

Strategic Direction

Outlook

2025

- Expected revenue between € 105 million – € 115 million
- EBIT projected in the mid-single-digit million range

2026

- Expected strong increase of revenues
- EBIT projected in the mid-double-digit million range

Innovation & Diversification:

-Expanding into additional future markets with the existing state-of-the-art technology

-Strategies for reducing CO₂ emissions and enhancing resource efficiency

Strategic Direction

Strengthen SINGULUS unique market-position with both Wet-Chemical and Vacuum-Process machine making in one company, leverage competitive advantage of integrated system

- Semiconductors: (1) Magnetics materials deposition for Sensors and next-generation magnetic (2) Applications beyond magnetics that leverage Singulus market-leading Angstrom-thickness deposition outside of magnetics
- Life Science: Surface treatment for medical applications
- Solar: Perovskite technologies are innovative materials that enhances the efficiency of crystalline & thin film solar cells
- Battery & Hydrogen: Battery production technology, Hydrogen electrolysis and gas-processing

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