PolyPeptide Group AG (SIX: PPGN)

NH

VH2

Jefferies Healthcare Conference 2022

Raymond De Vré, CEO

London, 15 November 2022



GLOBAL SUPPORT FOR A QUALITY SOLUTION

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This Presentation contains references to operational indicators, such as customer projects, and alternative financial performance measures ("APM") that are not defined or specified by IFRS, including revenue at constant currency rates, EBITDA, adjusted EBITDA, adjusted EBITDA margin, net operating assets, return on net operating assets, capital expenditures, equity ratio, net working capital, free cash flow, net cash, total financial debt and revenue associated with the coronavirus pandemic. These APM should be regarded as complementary information to and not as substitutes of the Group's consolidated financial results based on IFRS. For the definitions of the main operational indicators and APM used, including related abbreviations, as well as for selected reconciliations to IFRS, refer to the section "Definitions and reconciliations" in PolyPeptide Group AG's Half Year Report 2022 available at report.polypeptide.com/hyr/22/.

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The financial information contained in this Presentation is unaudited.

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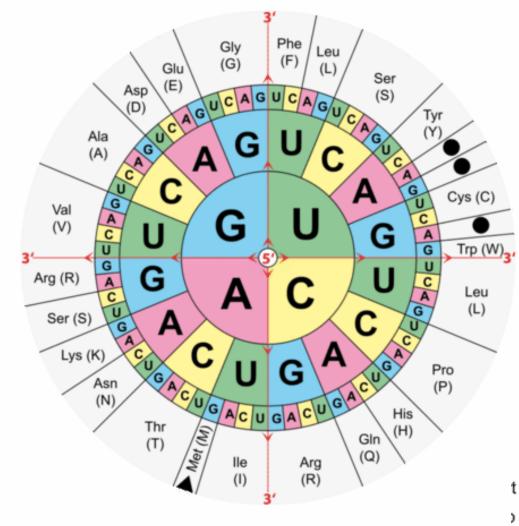
Peptides and Oligonucleotides: "The world of TIDES"

It all starts with amino acids and nucleobases

What are peptides?

Peptides are short chains of (up to ~100) amino acids linked by chemical bonding between their respective carboxyl and amino groups.

Peptides are in every cell and tissue in the body.



What are oligonucleotides?

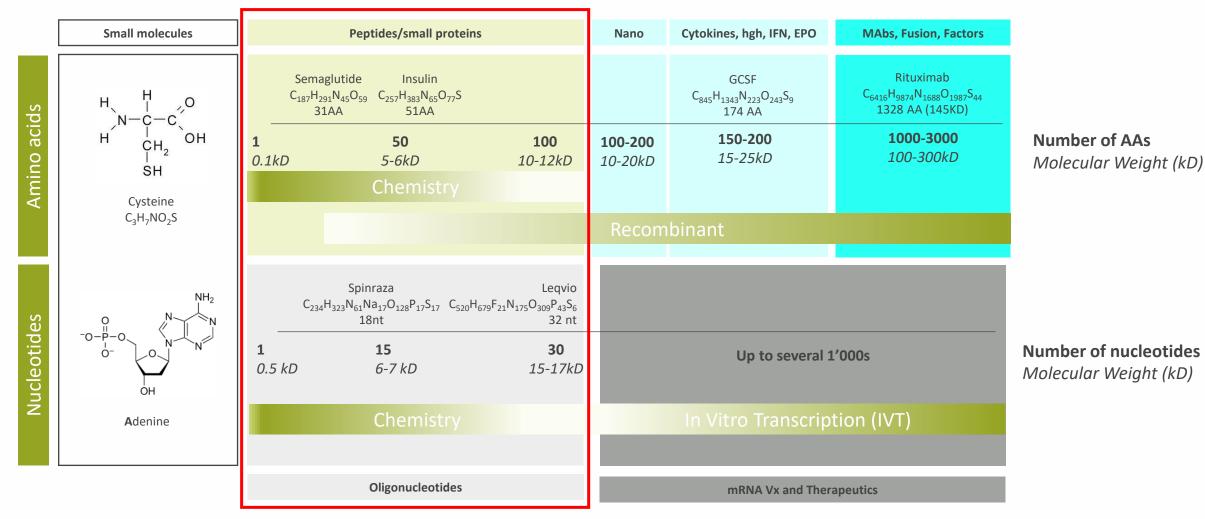
Oligonucleotides are a class of single- or double-stranded small synthetic nucleotides (up to 20-30 mer).

Therapeutic oligonucleotides act on different stages of pathological gene expression.



TIDES: a sweet spot within the various therapeutic modalities

Positioning of chemically synthesized TIDES

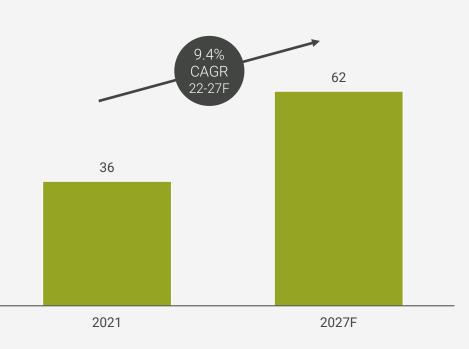


Source: Wikipedia

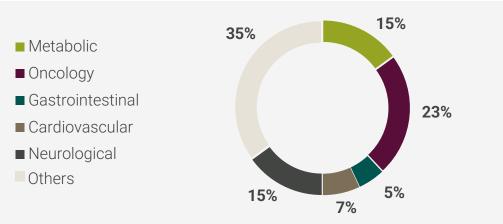
Peptide-based drugs market with structural growth momentum

Broad therapeutic areas with significant product pipeline

Estimated peptide therapeutics end market (\$ Bn)¹



~81 drugs FDA approvals and ~800 in development²



- Growth driven by a growing number of approved peptide drugs, growing patient population (cancer, metabolic disorders, etc.) and increasing genericization of key originator peptides.
- Broad therapeutical areas of application resulting in rich project pipeline globally
- Increasing number of expected product approvals for years to come



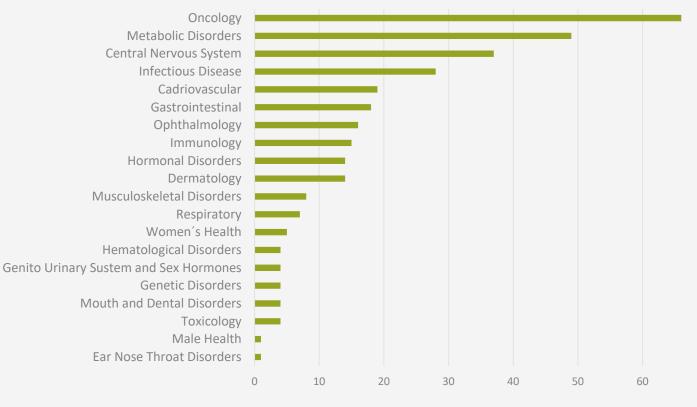
¹Source: IMARC 2021, Peptide therapeutics market 2022-2027, (July 2022). ²Including projects in clinical and pre-clinical development. Source: GlobalData, Drugs Database, (accessed 17 August 2022).

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>250 peptide-based drugs in clinical development

Good clinical progress reported in 2022 across multiple drugs

Peptide-based drugs in clinical development¹



No. Of Drugs

¹From clinical phase I to phase III. Source: GlobalData, Drugs Database, (accessed 17 August 2022). ²News related to project initiation, clinical progress (incl. study initiations, updates, results) and drug approvals.

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Ca. 60 relevant news events in 2022 $(ytd)^2$

- 3 FDA approvals, 4 commercial launches, 5 phase III trial results, 10 phase II trial results, 5 investigational new drug submissions
- In oncology >10 advanced projects (phases II and III) and numerous earlier stage projects, also with anticancer vaccines
- In metabolic disorders, strong clinical results published in new therapies for diabetes and obesity, some of which with blockbuster potential



Addressable peptide API market of ~\$ 1.2 Bn

Continued trend towards outsourcing and specialization

Market structure¹



Outsourcing trends CDMO success factors Innovative drug development Specialized technical **GMP** capabilities processes resulting in rich with high delivery expertise and pipelines across modalities know-how performance Pharma and biotech customers to focus on core competencies, time to market and productivity Ability to meet Continued capacity evolving regulatory building with high utilization requirements Higher complexity of emerging peptide APIs, including shift towards chemical synthesis **Reputation and** Innovation mindset **Evolving regulatory requirements** market access for and high customer and high capex requirements 🕌 PolyPeptide satisfaction pipeline building resulting in need for critical scale



¹Based on a study commissioned by PolyPeptide and completed in early 2021

Challenges in TIDES cGMP manufacturing

High process mass intensity and complex value chain

The importance of Green Chemistry

PMI (Process Mass Index – kg/kgAPI – to measure the input volume of water, solvents, reagents, etc versus the output of final API)

Comparison across modalities:

Small molecules:	150-300
Biologics:	7'000-8'000
Oligonucleotides:	3'000-7'000
Peptides:	10'000-35'000

"More Art than Science"

- Complex supply chain of raw and starting materials, also requiring complex quality management systems
- Heavy use of solvents, reagents, resins
- Complex scale-up to volumes of hundreds of Kg's or even metric tons (for peptides)
- Long reaction time, long duration of processes of up to twelve months, subject to molecular structure



Source: ACS

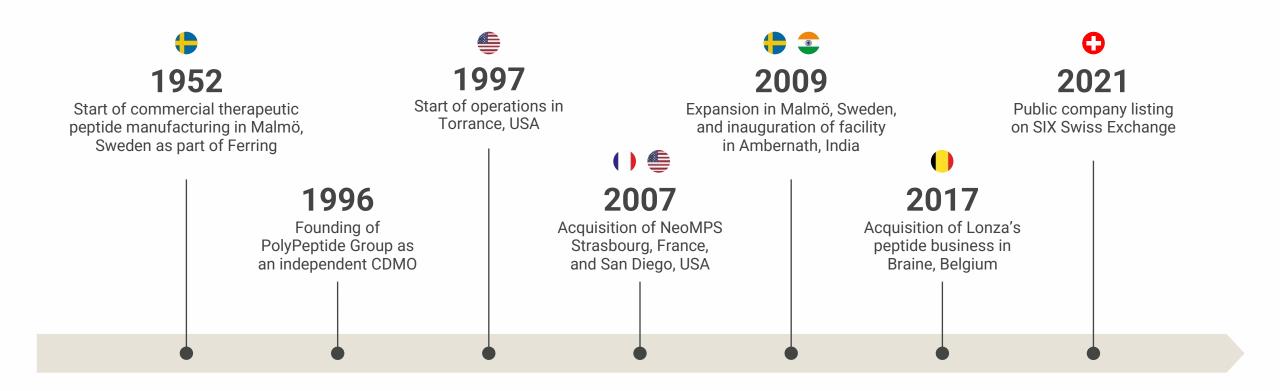
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History of PolyPeptide Group

70+ years of experience in peptide manufacturing





Comprehensive services for complex peptides and oligonucleotides

Supporting customers over full product life cycle, in three business areas



Pre-clinical and clinical phases I-III

Full spectrum manufacturing and associated CMC services supporting pre-clinical development.

Process designed in partnership with the customer to be scalable through the development process.



Contract manufacturing



Commercial, after regulatory approval

Expertise in process development, manufacturing scale-up, regulatory filings, and launch preparation.

Continuous yield improvement is key.



Generics and cosmetics



Generics with non-originator customers and cosmetics

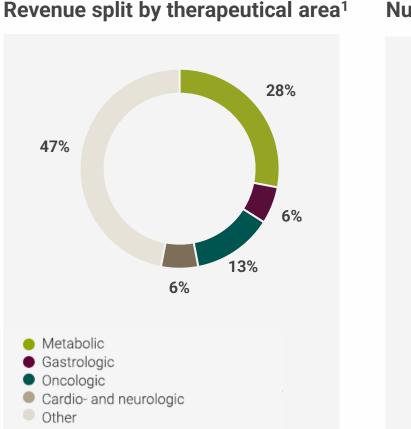
Manufacture of a range of peptidebased generics and cosmetics at commercial scale for multiple customers.





Active custom project pipeline as driver of expected growth

30 projects in phase III of clinical development



¹ Approximate split as per 30 June 2022.

Number of active custom projects

Product portfolio and projects pipeline

- Coverage across therapeutical areas
- Half of projects in fast-growing areas of metabolic disorders (incl. diabetes and obesity) and oncology
- Early-stage projects now including several oligonucleotides projects

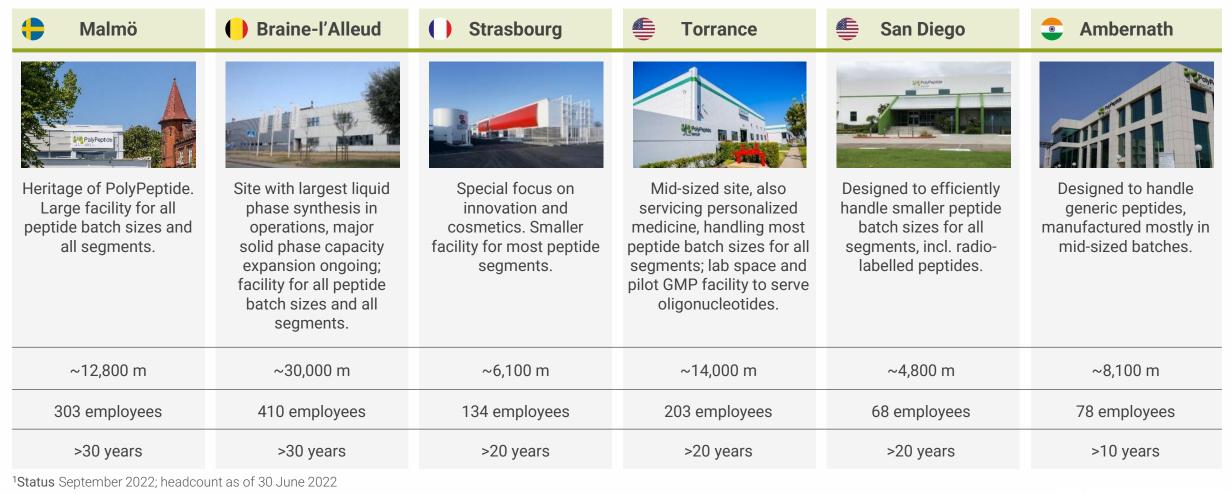
Revenue and volume dynamics

- Expected growth driven by late-stage phase III projects, depending on regulatory progress and market launch strategies of customers
- Currently preparing for significant volume expansion projected to outpace anticipated revenue growth



Production sites overview

Six specialized facilities, offering flexibility from experimental to large scale production¹





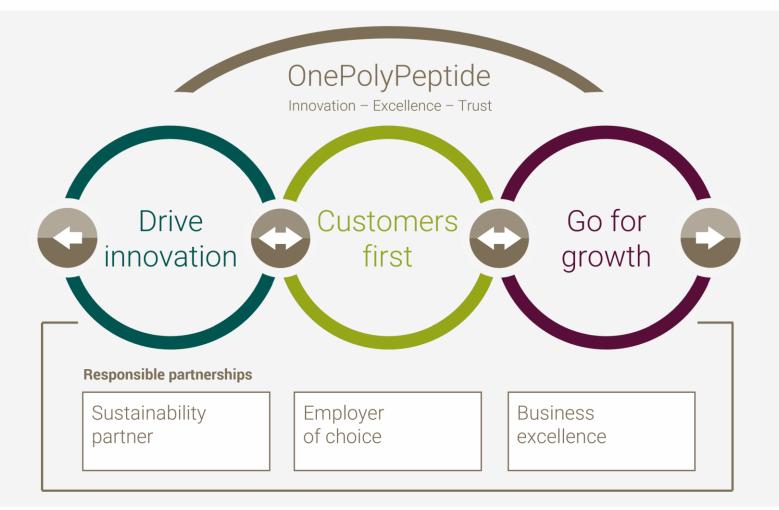
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PolyPeptide's integrated strategy

Four strategic priorities built on well established company values



¹Material ESG topics identified in H2 2021 with external support through double & forward-looking materiality assessment.

Twelve material ESG topics¹

Sustainability partner

- Green chemistry
- Circular waste management
- Environmental protection
- Climate change mitigation

Employer of choice

- People development
- Employee health
- Diversity & inclusion

Business excellence

- Supply chain engagement
- Product quality
- Stakeholder dialogue
- Data protection
- Ethics & compliance

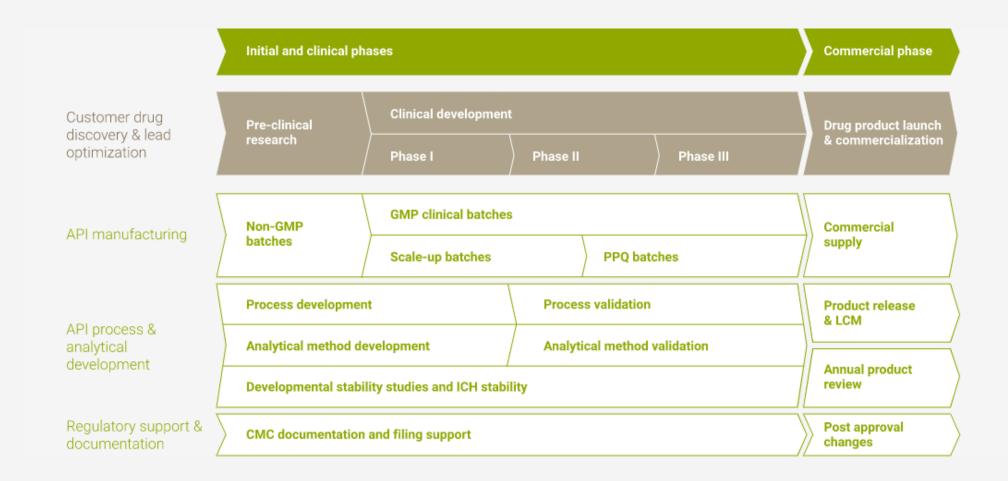


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Customers first: Start here – stay here

Providing expert knowledge for API's along entire product life cycle





Legend: API – Active pharmaceutical ingredient; CMC – Chemistry, manufacturing & controls; GMP – Good manufacturing practice; ICH – International council for harmonization; LCM – Life cycle management; NDA – New drug application; PPQ – Process performance qualification





Go for growth 1/2

Large-scale solid phase synthesis capacity in Braine-l'Alleud (Belgium)



- Production of large volumes within a highly industrialized setting, including SPPS and LPPS reactor capacity
- Large scale reactor capacity, including associated infrastructure, e.g., tank farm, automation, various preparation vessels, etc.
- Construction works on-going, key process equipment delivered and positioned in June 2022
- Planned to be in full operation in 2024





Go for growth 2/2

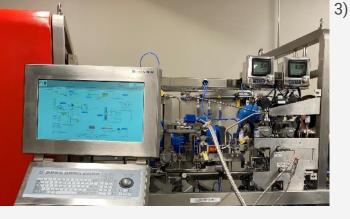
Downstream infrastructure in Malmö (Sweden) and oligo cGMP facility in Torrance (California)



 Lyophilization line
Large-scale purification in Malmö with automatized loading / unloading system

> cGMP facility in Torrance for oligonucleotides, incl. 1) synthesis 2) lyophilization 3) purification



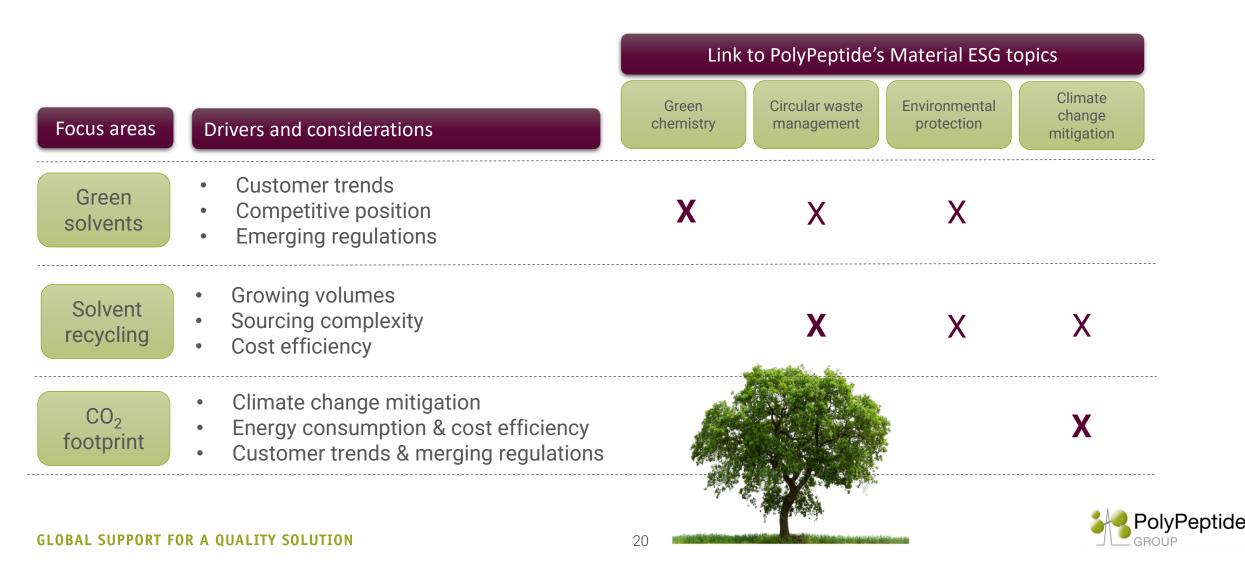




Drive innovation 1/2

Multi-faceted green chemistry program to reduce environmental footprint





Drive innovation



Improving cost, time, quality







- Advanced monitoring automation
- Improved automated processes for peptide synthesis and purification
- In silico predictive tools
- MES
- Alternative isolation technologies
- Flow chemistry
- Mechanochemistry
- Electrochemistry
- Innovative analytics
- Particle analysis
- LIMS

Culture of innovation

- Innovation culture being embedded in the organization
- Global "Innovation and Technology " group in Strasbourg and Torrance
- Go from idea to concept all the way to deployment at scale
- Incubator for new business (services and product) ideas

Established external collaborations network

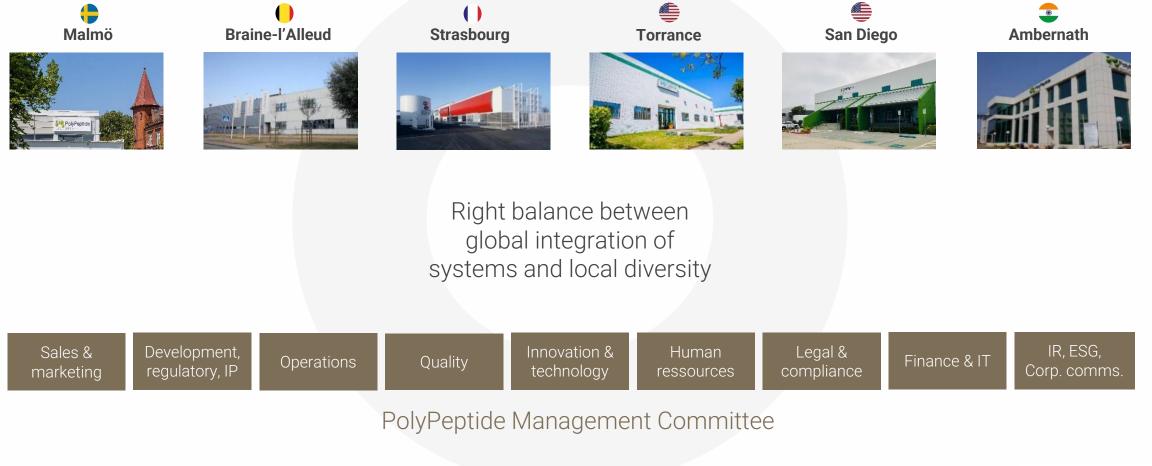




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OnePolyPeptide

Improving processes, systems and platforms across the Group for sustainable growth



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PMC – PolyPeptide Management Committee



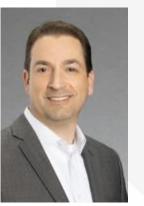
Raymond De Vré ∆ Belgian, CEO



Jon Holbech Rasmussen Danish, Director Global Development, IP and Regulatory



Neil Thompson Δ British, Director Global Sales and Marketing



Landon Piluso American, Director Global Quality



Daniel Lasanow Δ Belgian, Director Global Operations



Olivier Ludemann-Hombourger French, Director Global Innovation and Technology



Christina Del Vecchio ∆ Swiss / Swedish, General Counsel



Monika Casanova German, Chief HR Officer (from May 2022)



Jan Fuhr Miller Δ Danish, CFO



Michael Stäheli Swiss, Head IR / Corporate Communications / ESG



Board of Directors

Chairman and members appointed in 2021 in context of IPO



Peter Wilden German Chairman



Philippe A. Weber Swiss Independent Member



Jane Salik American Member



Beat In-Albon **A** Swiss Independent Member



Erik Schropp O Dutch Member



Patrick Aebischer **A** Swiss Independent Member

Chair △ Member O Remuneration & nomination committee Innovation & technology committee Audit & risk committee

The Board of Directors is responsible for PolyPeptide's overall direction and oversight of management, and holds the ultimate decision-making authority, with the exception of matters reserved for shareholders.

> Visit our website or the section Corporate Governance in the Annual Report 2021 for the detailed CV's

polypeptide.com

report.polypeptide.com/ar/21/board-of-directors/



Guidance for 2022

Growth and partial margin recovery in H2 driven by peptides business



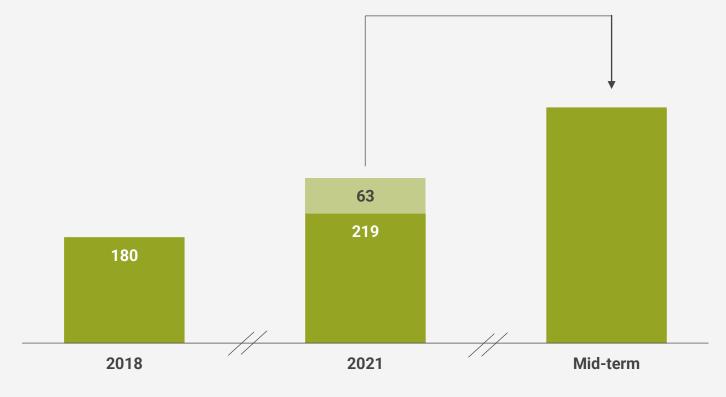


Mid-term outlook

Revenue CAGR in low-teens, expectation of varying yoy growth rates

Revenue € m

Revenue CAGR in low-teens with varying growth rates year-on-year and adj. EBITDA margin progression towards 30%



Considerations

- Structural market trends
- Custom projects portfolio
- Uneven phasing
- Coronavirus pandemic
- Macroeconomic environment
- Geopolitical situation



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Coronavirus pandemic related

IR contact and financial calendar

Investor Relations team

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Share information

PolyPeptide Group AG has been listed on the Swiss Stock Exchange (SIX) since 29 April 2021 under the symbol SIX: PPGN, Swiss security number 111 076 085 and ISIN CH111 076 085

Share register

areg.ch ag Fabrikstrasse 10, 4614 Hägendorf, Switzerland Phone: +41 (0) 62 209 16 60 / <u>info@areg.ch</u>

Selected investor events

15. / 16.11.2022	Jefferies London Healthcare Conference, London
17.11.2022	Credit Suisse Equity Forum Switzerland, Zurich
7. 12. 2022	Berenberg European Conference, London
12.1.2023	Baader Helvea Swiss Equities Conference, Bad Ragaz
13.1.2023	Octavian Swiss Seminar, Flims

Corporate events in 2023

14.03.2023	FY 2022 results
12.04.2023	AGM 2023
15.08.2023	HY 2023 results

Visit our website for the detailed event calendar polypeptide.com



THANK YOU

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