

Disclaimer

ORION

This presentation contains forward-looking statements which involve risks and uncertainty factors. These statements are not based on historical facts but relate to the Company's future activities and performance. They include statements about future strategies and anticipated benefits of these strategies.

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On 21 April 2018, Orion signed an agreement on the sale of all shares in Orion Diagnostica Oy (i.e. the Orion Diagnostica business division). Following the transaction, that was completed on 30 April 2018, Orion Diagnostica business is reported as discontinued operation. All figures in this presentation are for continuing operations, if not otherwise stated.

Content

- 1) Orion in brief
- 2) Highlights of 1–12/2019
- 3) R&D
- 4) Sustainability
- 5) Appendices
- 6) Financial calendar

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Orion in brief



Key messages



Orion develops, manufactures and markets human and animal pharmaceuticals, and APIs. Products marketed in >100 countries.

2 Balanced business model: Both proprietary drugs and generics.



Orion at a glance (2019 figures)



Opic

29%

17%

Orion's development

Net sales



ORION 35% 30% 25% 20% 15%

2008 2009 2014 201 201 201 201 201 201 201 201 20 Operating profit -Operating profit margin

Operating profit

350

300

250

200

150

100

50

0

EUR million

10%

5%

0%

5

Orion's business units



In-house developed drugs and other drugs with valid product protection for global markets. Own sales network in Europe.

2015 2010 2017 2018 2019

39%

Vet sales MEUR



Generic prescription
drugs, OTC and non-
medicinal products,
biosimilars.Finland56%Scandinavia18%Eastern Europe14%ROW12%

508 519

2010 2017 2018 2019

46%

486

Own animal drugs for global markets. Other drugs and well-being products. Own sales network in Nordics and Eastern Europe.

Aptus[°]

Animal Health

ORION



2015 2010 2017 2018 2019

8%



Active pharmaceutical ingredients (APIs) for own proprietary products. CMO & CDMO services for other pharma companies.



5%



Contract manufacturing

Production for other pharmaceutical companies.

2%

= share of Group net sales in 2019

406 6 **Vet sales MEUR**

471

2015

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Outlook for 2020



Net sales

Orion estimates that in 2020 the net sales will be **at a similar level** as in 2019 (the net sales in 2019 were EUR 1,051 million).

Operating profit

The operating profit is estimated to be **lower** than in 2019 (the operating profit in 2019 was EUR 253 million).

Orion's strategic growth target and financial objectives

Strategic growth target: Net sales EUR 1.5 billion in 2025

Financial objectives:

Growing net sales more rapidly than growth of the pharma market. Achievement of this objective requires continuous investment in development of the product portfolio.



Keeping the equity ratio at least 50%.



Maintaining profitability at a good level. The aim is operating profit that exceeds 25% of net sales.



Distributing an annual dividend that in the next few years will be at least EUR 1.30 per share, and increasing the dividend in the long term.

Key elements of Orion's growth



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Orion's key clinical drug development projects

Project	Indication	Phase		Registration	
Easyhaler® tiotropium	COPD	Bioequivalence study			
Darolutamide ¹⁾ ARAMIS trial	Prostate cancer (nmCRPC)	I.	II	III	Registration
Darolutamide ¹⁾ ARASENS trial	Prostate cancer (mHSPC)	I	II	Ш	
ODM-109 (oral levosimendan)	ALS	I	II	Ш	
ODM-203 (targeted FGFR+VEGFR inhibitor) ²⁾	Solid tumours	I	Ш		
ODM-207 (BET protein inhibitor) ²⁾	Cancer	1			
ODM-208 (CYP11A1 inhibitor)	Prostate cancer (CRPC)				
ODM-209 (CYP11A1 inhibitor)	M-209 (CYP11A1 inhibitor) Prostate cancer (CRPC), breast cancer				
¹⁾ In collaboration with Bayer		= Co	mpleted		
²⁾ Search for partner ongoing for the next possible phase		= Ongoing		= Status changed	
More information on R&D projects: www.orion.fi/en/rd/orion-rd/pipeline/					



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Orion had ~67,000 shareholders on 31 December 2019

By number of shares



- Households (Finnish retail)
- Non-Finnish holders and nominee-registered
- Private corporations
- Public sector
- Non-profit institutions
- Financial and insurance corporations
- Other

By number of votes



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Largest shareholders by votes and shares on 31 December 2019

#	Shareholder	% of votes	Number of votes	[#] Shareholder		% of shares	Number of shares
1	Erkki Etola and companies	6.07	50,500,000	Ilmarinen Mu	utual Pension Insurance Company	2.65	3,739,277
2	Maa- ja vesitekniikan tuki r.y. and companies	5.01	41,667,200	Erkki Etola a	and companies	2.12	3,000,000
3	Ilmarinen Mutual Pension Insurance Company	4.87	40,535,589	Maa- ja vesit	tekniikan tuki r.y. and companies	1.47	2,083,360
4	Ylppö Jukka Arvo	3.02	25,140,449	Varma Mutua	al Pension Insurance Company	1.38	1,945,609
5	Into Ylppö and commanding votes	1.92	15,952,688	The Social In	nsurance Institution of Finland, KELA	1.17	1,658,368
6	Aho Group Oy and commanding votes	1.70	14,159,609	Ylppö Jukka	Arvo	1.02	1,444,865
7	Saastamoisen säätiö (foundation)	1.58	13,099,920	Elo Mutual P	ension Insurance Company	1.01	1,432,034
8	Orion Pension Fund	1.33	11,064,352	Into Ylppö ar	nd commanding votes	0.73	1,028,340
9	Eija Ronkainen and companies	1.29	10,748,250	The State Pe	ension Fund	0.71	1,000,000
10	The estate of Jouko Brade and companies	1.12	9,300,500	0 Orion Oyj		0.54	765,399
11	Ingman Finance Oy Ab	1.07	8,900,000	1 Orion Pensio	n Fund	0.51	724,780
12	Elo Mutual Pension Insurance Company	0.84	6,995,234	2 Aho Group O	Dy and commanding votes	0.50	710,288
13	Leikola Erkki	0.68	5,638,000	3 Saastamoiser	n säätiö (foundation)	0.46	654,996
14	Salonen Seppo Tapani	0.65	5,443,740	4 OP-Finland F	Fund	0.44	621,100
15	Westerlund Riikka Maritza	0.59	4,882,700	5 Eija Ronkain	en and companies	0.41	573,750
16	Kavetvuo Matti Ilmari	0.52	4,320,000	6 Schweizer Na	ationalbank	0.34	477,272
17	Kytilä Miikka Elias Anton	0.44	3,662,200	7 The estate o	of Jouko Brade and companies	0.33	469,205
18	Salonen Ilkka Mikael	0.42	3,491,302	8 Ingman Finar	nce Oy Ab	0.32	445,000
19	Lenko Hanna Liisa	0.40	3,358,000	9 Nordea Pro F	Finland Fund	0.31	441,319
20	Kytilä Juha	0.38	3,126,500	0 Orion Resear	rch Foundation	0.29	415,510
	20 largest shareholders, total	33.91	281,986,233	20 largest sh	nareholders, total	16.73	23,630,472
	Other shareholders	66.09	549,645,392	Other shareh	nolders	83.27	117,627,356
	Total		831,631,625	Total			141,257,828

Orion B share performance January 2016 - January 2020





Highlights in January-December 2019



Darolutamide dominated news flow in 2019



Darolutamide received MA in the USA and Brazil.

In Japan, MA in Jan/2020. CHMP recommendation for darolutamide in EU.

Darolutamide showed statistically significant improvement in OS in ARAMIS study.

Net sales and operating profit developed as expected.

Planned growth investments were reflected in operating profit level.



All business units reported growth in net sales.



REFALS patient recruitment completed. Results expected after summer.





Development of net sales and operating profit



-3 -29 19 -18 -12 253 253 2019 Product activition depreciation** 2018 Product sales charter with the sales charter of the sales charter with the sales charter of the sales of the Entred costs

*** Exchange rate effect on gross margin * Product sales without sales margin and product mix change and exchange rate effect **** Acquisition of European sales and distribution rights for Stalevo® and Comtan® ** Product sales margin and product mix change but without exchange rate effect

Operating profit



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Best-selling pharmaceuticals 1-12/2019

	51	Indication	EUR million	1-12/2018
1.	EASYHALER	Asthma, COPD	104	+16%
2.	Stalevo Comtess COMTan	Parkinson's disease	98	-3%
3.	SIMDAX Steves i menden	Acute heart failure	68	+14%
4.	dexdor	Intensive care sedative	57	-10%
5.	Biosimilars ©Remsima Riteria Riteria adalmumati	Rheumatoid arthritis, inflammatory bowel diseases, lymphoma	38	+52%
6.		Animal sedatives	36	+8%
7.	burana	Inflammatory pain	25	+7%
8.	Divina series Divina	Menopausal symptoms	19	+1%
9.	Marevan°	Anticoagulant	16	-11%
10.	Solomet®	Inflammation	14	+11%

Net sales

Change vs





Proprietary Products



Easyhaler® product family and Simdax® growing



Proprietary Products sales split 1-12/2019



Easyhaler® sales exceeded EUR 100 million



- Budesonide-formoterol Easyhaler® +21%
- Product family total sales :
- +16%
- Salmeterol-fluticasone sales developed slower than anticipated.
- Development of Easyhaler® tiotropium continues.



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Sales of Dexdor® declining due to generic competition

Total value of European sedatives market: EUR 595 million (+4%)



Sales, EUR million Q1 Q2 Q3 Q4



Specialty Products



Specialty Products: tight price competition continued



Net sales by region 1-12/2019



Eastern Europe & Russia

Finland

ROW

Scandinavia

Net sales by products 1-12/2019

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Biosimilars

In Finland, price competition and product deficiencies behind the market decline of reference priced prescription drugs

The market of reference priced prescription drugs in Finland (1–12/2019)

MEUR 436 (455)

Market development





The sales of Orion's reference priced prescription drugs in Finland

OPION

$_{\text{MEUR}}\,116_{\,(123)}$

Orionin's development



Orion is strong in home market Finland

Human pharma market in Finland 1–12/2019 Medicinal and non-medicinal products in hospital and pharmacy channels: EUR 2,859 million MEUR 314 350 300 100 250 184 200 121 109 107 116 150 105 100 50 97 0 Novartis Pfizer Roche MSD Bayer orion

> Self-care products (pharmacy channel) Reference priced prescription drugs (pharmacy channel) Other

Reference priced prescription drugs Orion market share in pharmacy

27%

(27%)

Self-care products Orion market share in pharmacy

25%

Human pharmaceuticals total Orion market share in hospital & pharmacy

(12%)

Orion's key business targets in 2019-2020



Commercialisation of darolutamide in Europe. ARASENS trial (metastatic prostate cancer) continues in order to expand the indication for the molecule.

1.

2.

Development of orally administered levosimendan (ODM-109) for ALS in phase III clinical trial (REFALS) and preparation for its possible commercialisation. The potential of different R&D projects are reviewed with consideration of the total R&D portfolio.

- MA received in USA, Japan and Brazil. Positive CHMP recommendation in EU.
- Fully recruited ARASENS trial continues as planned.
- REFALS patient recruitment completed in July 2019.
- An assessment on the prospects of launching the product in the USA by Orion is ongoing.
- Searching partners for the development of ODM-203 and ODM-207.

Orion's key business targets in 2019-2020

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Strengthening Orion's position as the most significant provider of generic drugs in
Finland. Competitive product portfolio in Specialty Products and strengthening of product launches.

Accelerating the growth of the Easyhaler® product family and strengthening its market position. Salmeterol-fluticasone launch in Europe.

Evaluation of new in-licensingopportunities in Europe, particularly in the area of hospital care.

4.

- Orion clear market leader in reference priced prescription drugs in Finland.
- In self-care products Orion grew faster than the market.
- Easyhaler® product family sales increased by 16 per cent.
- Salmeterol-fluticasone sales developed slower than anticipated.
- The work continues.

Material themes of Orion's sustainability

Ensuring patient safety and reliable supply of medications.

Responsibility for the environment, employees and the ethics and transparency of operations.

Customer complaints (pharmaceuticals)	Audits undertaken by Orion	Greenhouse gas emissions (scope 1&2)	Energy savings target set for 2025 achieved	Injury rate
76	251	20,123	51%	6.3
Ppm (56)	(238)	tCO2e (39,581)	(40%)	LTIF 1 (5.5)



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Research and development


Focus areas of Orion's R&D



Proprietary products

- Central nervous system
- Oncology
- Respiratory (Easyhaler® product family)
- Rare diseases
 (Finnish disease heritage)



Animal Health

 Orion utilises the R&D of proprietary products to develop new medicines for animals



Fermion

- APIs to Orion's proprietary products
- Generic APIs
- Contract development for pharmaceutical companies



Together we can achieve more in R&D



Orion's key clinical drug development projects

Project	Indication		Phase		Registration
Easyhaler® tiotropium	COPD	Bioe	equivalence	e study	
Darolutamide ¹⁾ ARAMIS trial	Prostate cancer (nmCRPC)	I.	II	III	Registration
Darolutamide ¹⁾ ARASENS trial	Prostate cancer (mHSPC)	I	II	Ш	
ODM-109 (oral levosimendan)	ALS	I	II	111	
ODM-203 (targeted FGFR+VEGFR inhibitor) ²⁾	Solid tumours	I	Ш		
ODM-207 (BET protein inhibitor) ²⁾	Cancer	1			
ODM-208 (CYP11A1 inhibitor)	Prostate cancer (CRPC)	1			
ODM-209 (CYP11A1 inhibitor)	Prostate cancer (CRPC), breast cancer	- I			
¹⁾ In collaboration with Bayer		= Co	mpleted		
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More information on R&D projects: www.or	rion.fi/en/rd/orion-rd/pipeline/				,



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Key findings of ARAMIS phase III trial: Darolutamide shows substantial efficacy and favourable safety profile





- Darolutamide showed a statistically significant improvement in overall survival (OS). Detailed results to be published in an upcoming scientific meeting.
- Darolutamide has a favorable safety profile:
 - It didn't increase rates of critical adverse events compared to placebo.
 - Discontinuation rates were similar between darolutamide and placebo.

ARASENS trial aims to expand the indication of darolutamide to metastatic hormone-sensitive prostate cancer (mHSPC)





Secondary endpoints: Time to castration resistance, time to antineoplastic therapy, time to first symptomatic skeletal event, time to initiation of opioids, time to pain progression, and to characterize the safety and tolerability of darolutamide.

Financial impacts of darolutamide and regulatory update



- **Bayer** has the right to commercialize darolutamide globally.
- **Orion** will co-promote in several European countries. Orion will manufacture the product.
- Milestone payments upon first commercial sales:
 - EUR 45 million in the US Q3/2019
 - EUR 20 million in the EU
 - EUR 8 million in Japan
- Tiered royalties on product sales
 - Approx. 20%, including production revenue.
- Potential one-off payments if certain sales targets are met.

- Darolutamide has been approved for the treatment of nmCRPC in
 - USA July 2019
 - Brazil December 2019
 - Japan January 2020
- In Europe, positive CHMP opinion for darolutamide (nmCRPC) in January 2020
- Filings (nmCRPC) underway or planned in other regions

Until recently, there have been no effective treatment options for CRPC patients who have rising Prostate-Specific Antigen (PSA) levels while on ADT and no detectable metastases



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Global prostate cancer estimates (2018)



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ODM-109: Oral levosimendan for ALS

By enhancing respiratory muscle function in ALS patients, orally administered levosimendan can help maintain breathing capacity and benefit overall functioning of ALS patients. Levosimendan has been used (Simdax®) for the treatment of acute decompensated heart failure since 2000.

496 patients Estimated completion H2/2020e Orion's investment ~60 MEUR

Orphan Drug Designation in USA & EU

REFALS patient recruitment completed

104 ALS centres in 14 countries



- REFALS is an Orion study
- 1st patient randomised July 2018
- Last patient randomisation in July 2019
 - Study results expected in H2 2020
- Number of patients in the study 496
- Objective to demonstrate benefit of oral levosimendan on respiratory and overall function in ALS
- And safety in prolonged use in ALS patients

Primary endpoints

- 12 weeks: Slow vital capacity (Breathing capacity compared to normal subjects)
- 48 weeks: ALS functional rating scale (Overall assessment of ALS symptoms)

www.clinicaltrials.gov: NCT03505021

ALS (Amyotrophic lateral sclerosis) as a rare disease



1-2/	~16,000	~12,500	~450-500		
100,000		Datiants			
Incidence	Patients in the US	Patients in Europe	Patients in Finland		

CYP11A1 inhibitors (ODM-208 & ODM-209)



ODM-208 & ODM-209 prevent the synthesis of ALL steroid hormones

> Glucocorticoids and mineralocorticoids need to be replaced during therapy

Potential indications

Prostate Cancer

Breast Cancer

Endometrial cancer of the uterus Adrenocortical carcinoma Some hormone-producing benign tumors OPION

Orion investigates CYP11A1 inhibitors in two first-in-human Phase I-II trials

The CYPIDES trial (ODM-208)

- Advanced prostate cancer that progressed during one or more novel hormonal therapy and chemotherapy
- Patient enrollment started in March 2018
- Continues to accrue patients

The STESIDES trial (ODM-209)

- Advanced prostate cancer that progressed during one or more novel hormonal therapy and chemotherapy
- Advanced breast cancer that progressed during two or more systemic treatments
- Patient enrollment started in April 2019

- Steroid hormones stimulate the growth of hormonally regulated cancers, such as most prostate and breast cancers.
- Hormonal treatments are highly effective, but drug resistance will often eventually emerge and cancer will start growing again.
- Preclinical studies have shown that **ODM-208** and **ODM-209** inhibit the synthesis of steroids hormones. They have potential efficacy also for those cancers that have become resistant to the standard hormonal treatments.
- The steroid hormones that are needed and do not promote cancer growth are replaced with additional medication.



Sustainability is built into Orion's mission





Key themes of corporate responsibility

Ensure patient safety and availability of medicines Responsibility for the environment - production according to the principles of sustainable development

Taking care of Orionees Ethics and transparency of operations





Appendices



Track record vs. financial objectives



Orion Diagnostica Oy was divested in 2018 and is not included in the Net sales and Operating profit figures from 2017 onwards.

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Key figures by quarter



Net sales, EUR million





Basic earnings per share, EUR



Cash flow per share before financial items, EUR



*) continued and discontinued (Orion Diagnostica Oy) operations

Key figures

Orion's key figures	2014	2015	2016	2017	2018	2019	Change vs. 2018
Net sales, EUR million	1,015.3	1,015.6	1,073.5	1,033.6	977.5	1,051.0	+7.5%
EBITDA					293.9	308.9	+5.1%
Operating profit, EUR million	272.4	266.6	314.6	284.1	252.8	252.8	
Profit before taxes, EUR million	267.8	262.3	310.9	277.7	248.4	250.8	+1.0%
R&D expenses, EUR million	106.2	108.1	118.2	99.1	104.0	119.3	+14.7%
Equity ratio, %	52.3%	57.4%	60.8%	64.6%	68.8 %	76.7%	
Gearing, %	-4.7%	-9.6 %	-12.4%	-1 .9 %	-17.1%	-17.1%	
ROCE (before taxes), %	36.6%	35.7%	40.9 %	36.2%	44.3%	29.9 %	
Return on equity, %	41.1%	37.5%	40.3%	34.2%	45.5%	25.8%	
Basic earnings per share, EUR	1.50	1.48	1.77	1.56	1.40	1.43	+2.0%
Interest bearing net debt					-132.1	-139.1	-5.2%
Cash flow per share before financial items, EUR	1.72	1.51	1.62	1.09	2.32	1.68	-27.4%
Dividend per share, EUR	1.30	1.30	1.55	1.45	1.50	1.50*	*=BoD proposal
		= includes	both continu	ing and discor	tinued (Orio	on Diagnostic	a) operations

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Income statement

Formation of profits, EUR million	2014	2015	2016	2017	2018	2019	Change vs. 2018
Net sales	1,015.3	1,015.6	1,073.5	1,033.6	977.5	1,051.0	+7.5%
Cost of goods sold	-401.7	-405.8	-421.7	-417.6	-387.9	-417.6	+7.7%
Gross profit	613.6	609.8	651.8	616.0	589.6	633.4	+7.4%
Other operating income and expenses	1.7	1.5	24.3	4.9	5.5	2.2	-60.2%
Sales and marketing expenses	-193.4	-190.4	-194.7	-188.9	-195.3	-215.7	+10.5%
R&D expenses	-106.2	-108.1	-118.2	-99.1	104.0	-119.3	+14.7%
Administrative expenses	-43.3	-46.2	-48.7	-48.8	-43.0	-47.8	+11.1%
Operating profit	272.4	266.6	314.6	284.1	252.8	252.8	
Profit before taxes	267.8	262.3	310.9	277.7	248.4	250.8	+1.0%
Profit for the period for continuing operations				219.1	197.3	200.4	+1.6%
Profit for the period for discontinued operations				7.0	132.9		
Profit for the period	211.3	208.2	249.0	226.0	330.3	200.4	-39.3%

The 2014-2016 figures in the table include both continuing and discontinued (Orion Diagnostica) operations.

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Royalties and milestones



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Development of Proprietary Products net sales





■ Simdax®

- **Easyhaler**®
- Dexdor®
- Precedex®

■ Stalevo®/Comtess® /Comtan®

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Financial position



The consolidated statement of financial position 12/18 includes both continuing and discontinued operations.

Development of capital expenditure

90

Orion Capex, EUR million





Development of net working capital



- —Receivables
- Inventories
- -Short-term non-interest bearing liabilities
- —Net Working Capital



- Short-term non-interest bearing liabilities
- —Net Working Capital

Opic

Dividend distribution policy and dividend history

• Orion's dividend distribution takes into account distributable funds and capital expenditure and other financial requirements in medium and long term to achieve the financial objectives.

EUR Dividend distribution history





*) Change in dividend payout ratio is due to higher EPS (EUR 2.35) which is explained by the divestment of Orion Diagnostica **) Dividend proposal by the BoD

Easyhaler® - diverse treatment options for asthma and COPD by utilizing the same inhaler technology

- Easyhaler® is a dry-powder inhaler developed inhouse
- Orion has developed Easyhaler®-adapted dry powder formulations of several well-known generic active substances:
 - salbutamol, beclometasone, budesonide, formoterol, salmeterol and fluticasone
- Key benefits:
 - Dosing accuracy and consistent deposition
 - Easy to teach, learn and use
 - A wide range of products





Orion calendar

Annual General Meeting Interim Report 1–3/2020 Half-Year Report 1–6/2020 Interim Report 1–9/2020 25/3/2020 28/4/2020 17/7/2020 21/10/2020





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