



Otovo

The solar and battery marketplace

Q2 22 presentation
14 July 2022



Otovo installation in Milan, Italy. Q2 2022

The European solar & battery marketplace

On the mission to put
solar panels on every roof and
batteries in every home in Europe –
in the easiest and most affordable way

Today's session

Present from Otovo

Andreas Thorsheim
Founder and CEO



Petter Ulset
CFO



Sondre Bergløff
Investor relations



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Agenda



Business update

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A quarter of growth and improved profitability

+200%

Q2 21: 64

Revenues generated
194 NOKm

+310%

Q2 21: 10

Gross profit generated
42 NOKm

+300%

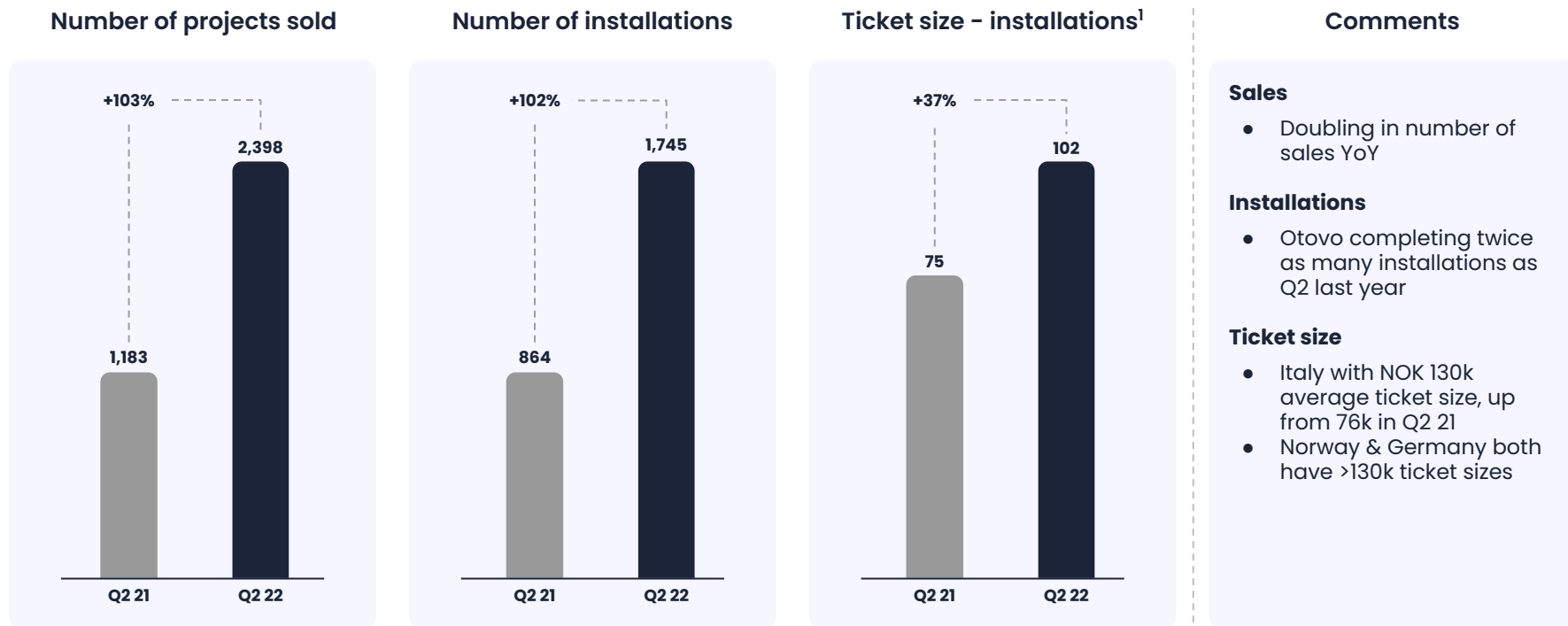
Q2 21: 39

Accumulated Contracted
Subscription Revenue
157 NOKm



Otovo installation in Brandenburg, Germany. Q2 2022

Unit sales & installations up ~100% with growing tickets



Note: 1) Including batteries

Selling larger projects with higher margins

Systems size

Average system size sold, change YoY



Norway

9.7 kW
(+11%)



Sweden

9.9 kW
(+5%)



France

4.5 kW
(+4%)



Spain

3.9 kW
(+1%)



Poland

6.5 kW
(-2%)



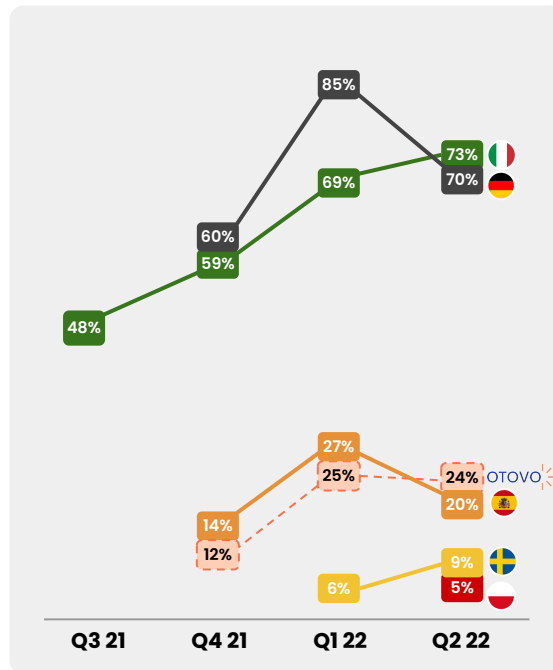
Italy

5.1 kW
(+11%)

Selling **bigger and bigger** systems

Battery attachment rate

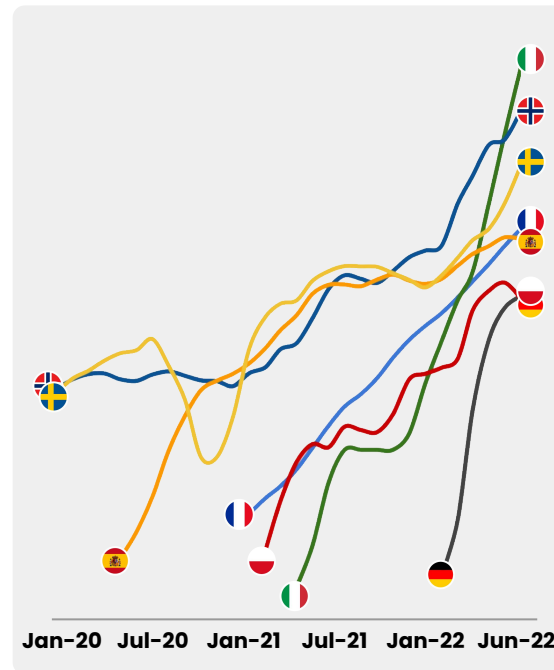
Battery attachment rate, sold projects



Batteries included on **1 in 4** sales

Margins

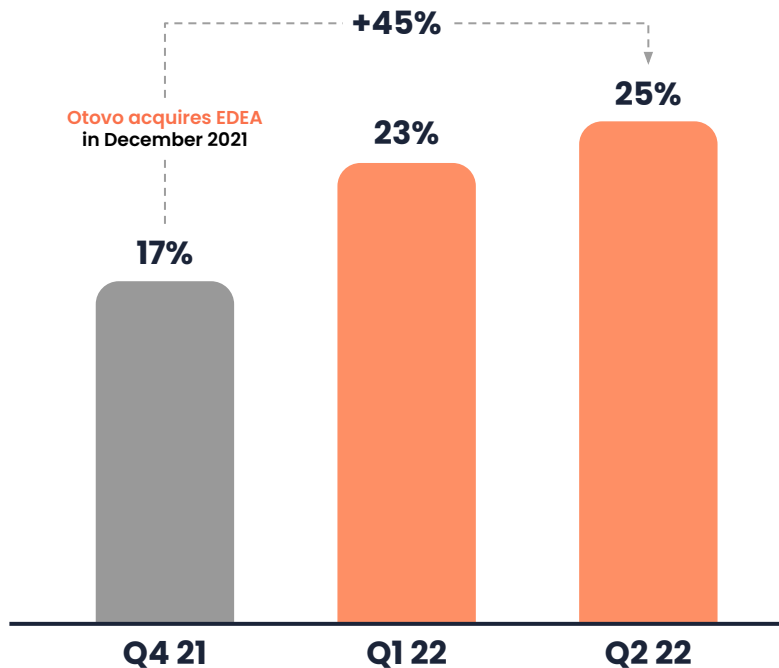
Sold margin (indexed), 3 month moving average



Margins are **increasing** in all markets

Subscription sales trending up – Top priority across markets

Share of sales on Subscription model
Percent of total



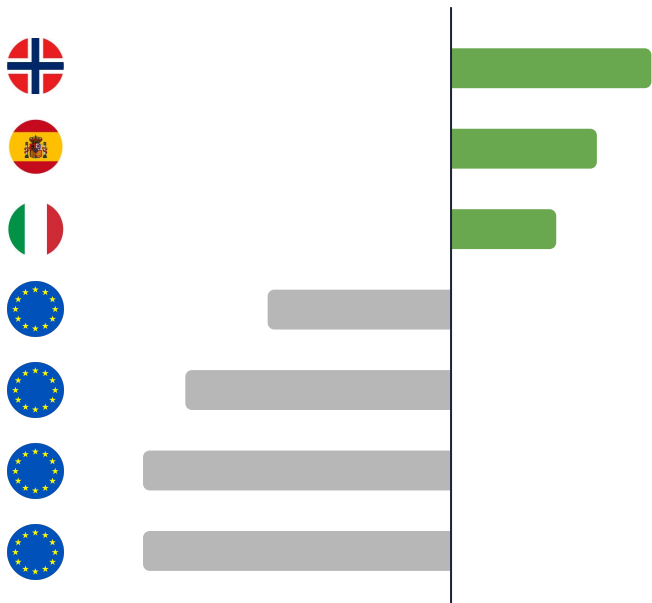
- **Subscription customers are 3x more profitable** than Direct sales customers – Additional upside from services and other future upsell opportunities
- Driving Subscription sales is a **top #3 strategic priority** for Otovo across markets
- Activating marketing, product development, incentives and partnerships to increase share of subscription
- On track towards **30% subscription share** by end-of-year

Italy, Spain & Norway with EBITDA profitability

Country profitability

ILLUSTRATIVE

EBITDA generated¹, Q2 2022

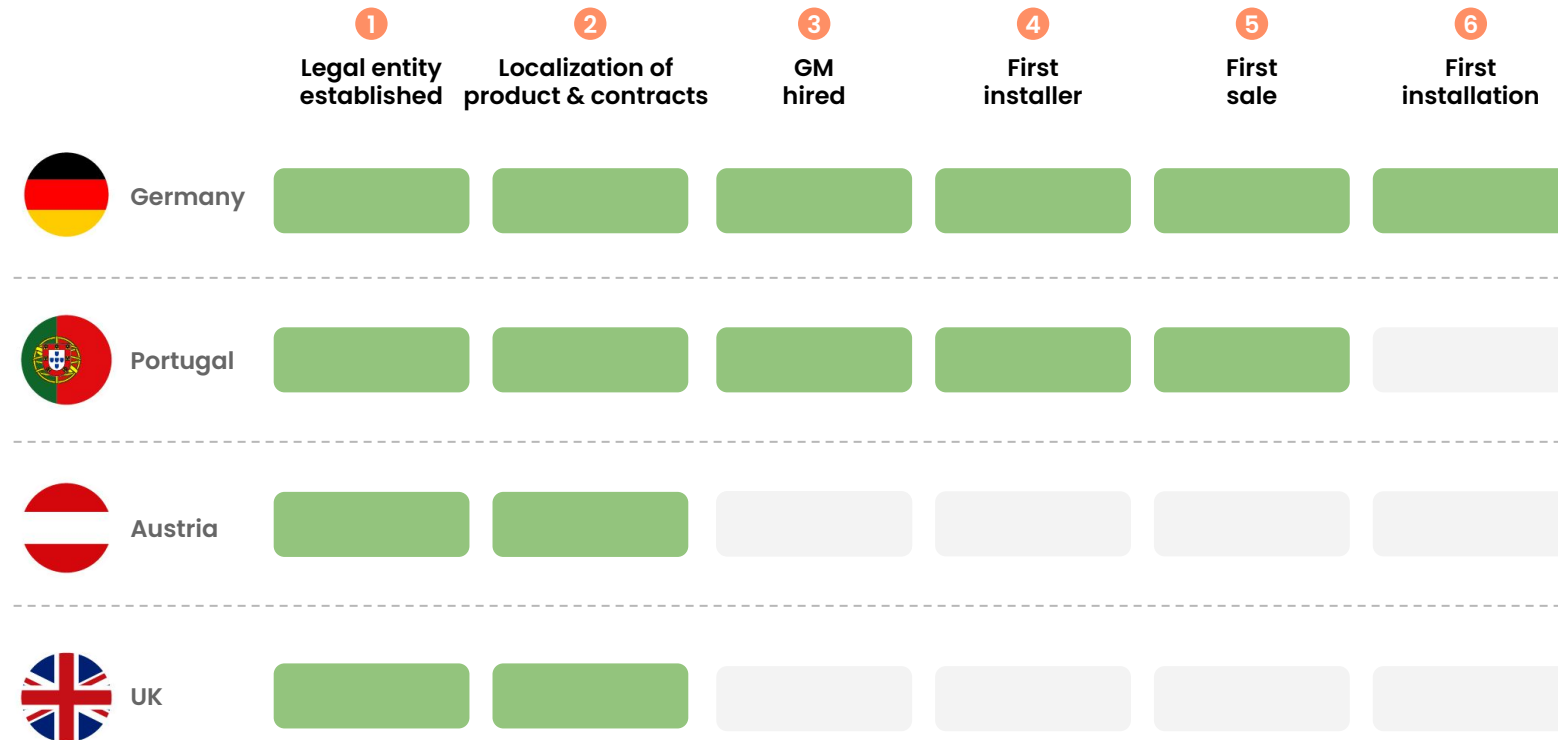


Comments

- **Norway, Italy and Spain** across goal post delivering EBITDA profitability in Q2 – effect of operational gearing set to kick in
- **Italy profitable 5 quarters after launch** driven by market fit for Otovo model and strong tailwinds
- Combination of **higher volumes and push for improved unit economics** will help drive remaining markets to profitability

On track to pan-European reach

 Done
 In progress



Build the number one distributed energy platform in Europe



Scale

- **Growing volumes** in thirteen European markets
- **Rapid, low-risk expansion** to new attractive European markets
- **Established** in countries with addressable market of 1.7m annual installations¹

No. 1 in 13 European markets

20,000 **installations** per year



Batteries & Hardware

- **Adding batteries** to increase ticket size & gross profit per customer
- One in four **sales**, and one in five **installations** now include a battery
- **Successfully increasing** margins across all markets

High **battery attachment** rates

Attractive **unit economics** driving towards profitability



Subscriptions

- Subscriptions **increasing profitability per customer** by ~3x
- **Accelerating deployment** through *volume growth* and higher *subscription share*
- Significant potential for **debt financing** to boost margins

High **subscription share** on high **sales**

Consistent **deployment** of €100m/year

Long term support for solar comes on top of momentous surge in interest for safeguards against extreme prices

Extreme changes in consumer power prices

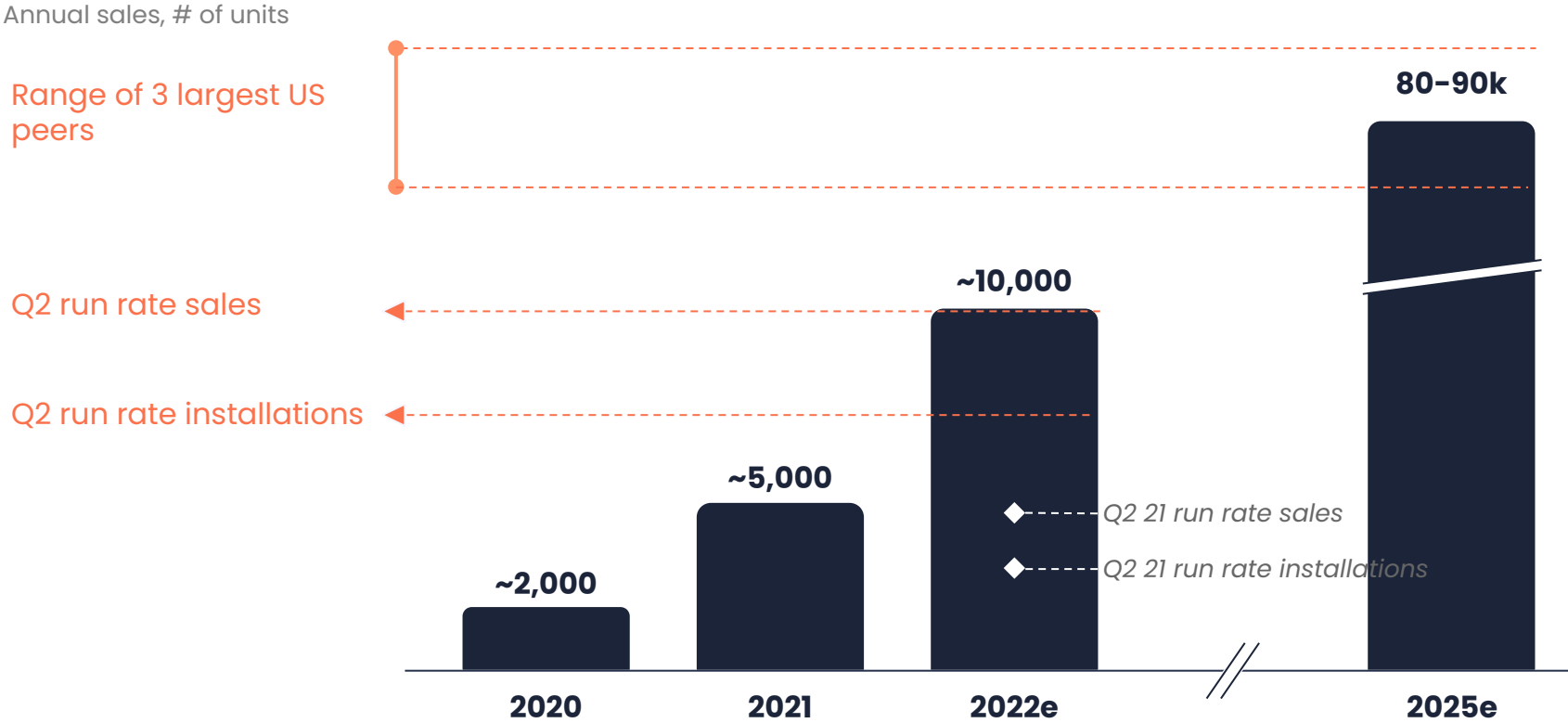


Long term regulatory repercussion



- Rapid roll-out of solar and wind energy projects combined with renewable hydrogen deployment to save around 50 bcm of gas imports
- The EU Solar Energy Strategy will boost the roll-out of photovoltaic energy. As part of the REPowerEU plan, this strategy aims to bring online over **320 GW** of solar photovoltaic newly installed by 2025, over twice today's level, and almost **600 GW** by 2030

On track for continued growth of 100% towards size of US peers



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Business update



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Strong performance on reported financials

Consolidated Financial Summary

(NOK 000')	Q2 2022	Q2 2021
Total operating revenue	156 002	64 444
COGS	124 134	53 894
Opex	88 747	43 971
Depreciation	15 520	4 140
Operating profit	-72 399	-37 561
EBITDA	-56 879	-33 421
EBITDA%	-37%	-52%

Consolidated Balance Sheet

(NOK 000')	Q2 2022	Q2 2021
Non-current assets	396 788	175 104
Inventory	9 905	0 ¹
Cash	330 734	255 723
Other current assets	192 246	36 118
Assets	919 768	466 945
Equity	694 225	369 750
Liabilities	225 542	97 195
Equity and liabilities	919 768	466 945

Business model – Marketplace matching homeowners and installers



Customer

1

Otovo sells project to customer



2

Installer delivers projects on behalf of Otovo



Installer

i

Installer buys hardware directly from distributors

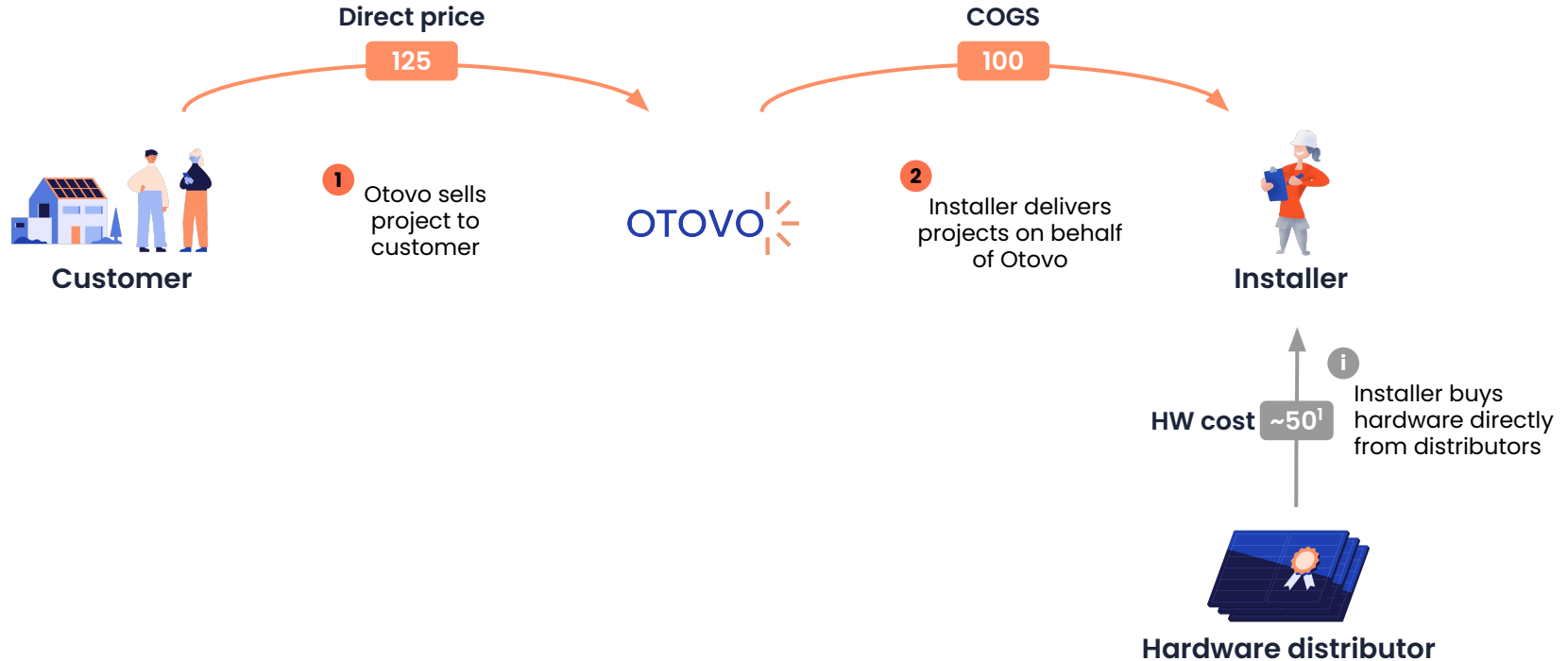
HW cost ~50¹



Hardware distributor

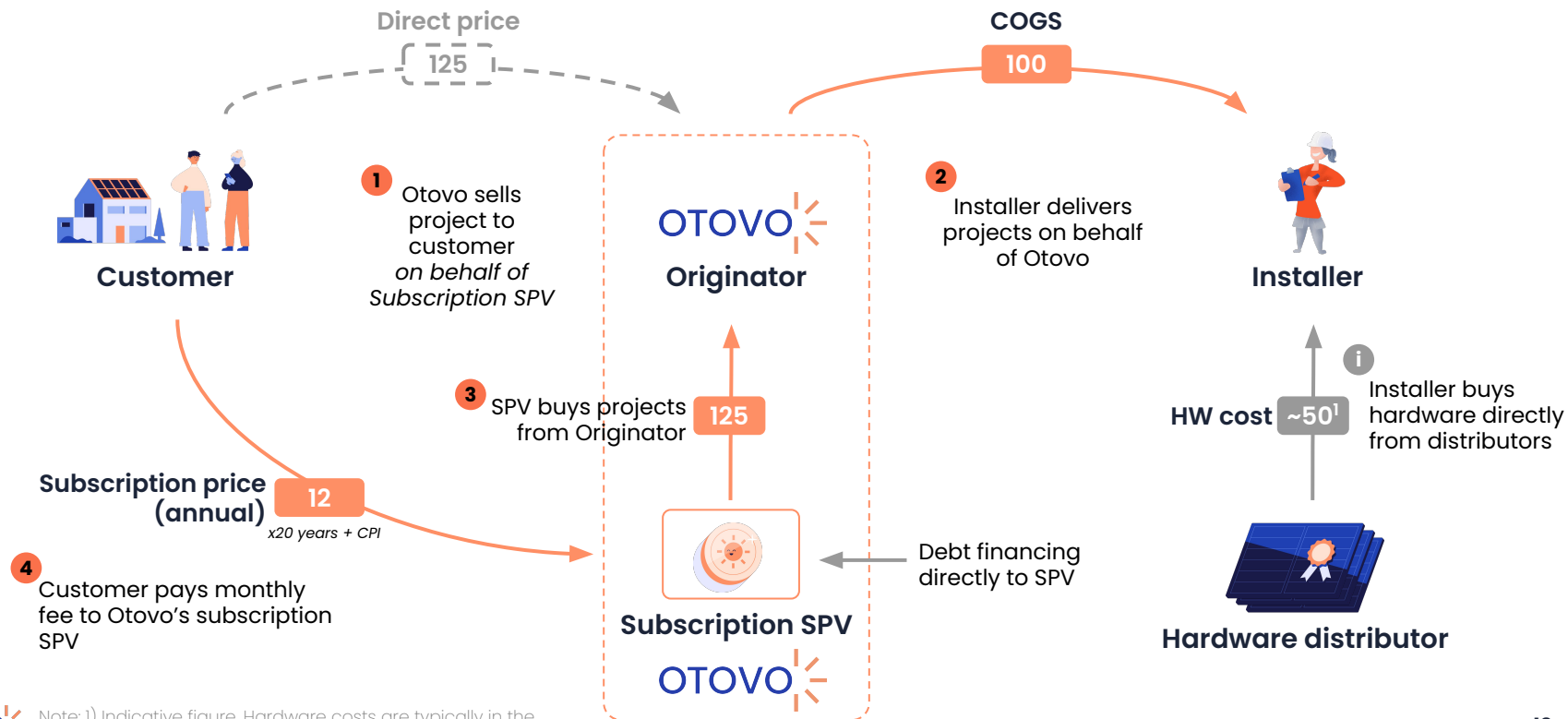
Consumer either buys on a Direct purchase model

xxx Example figures, indexed to COGS=100



... or through entering into a long term Subscription with Otovo

xxx Example figures, indexed to COGS=100

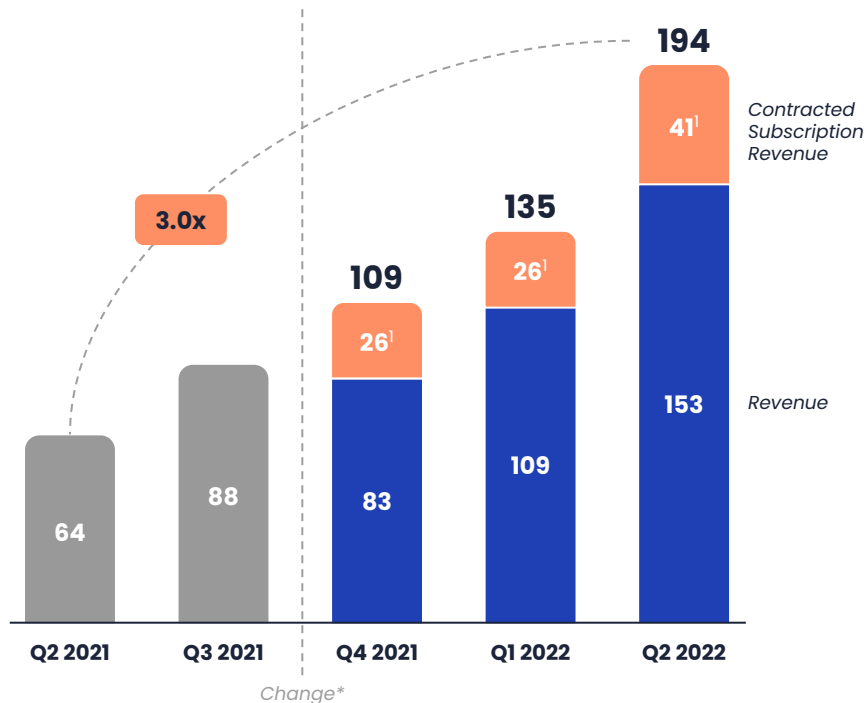


Reported financials does not reflect underlying value creation in Subscription portfolio – introduction of Key Metrics

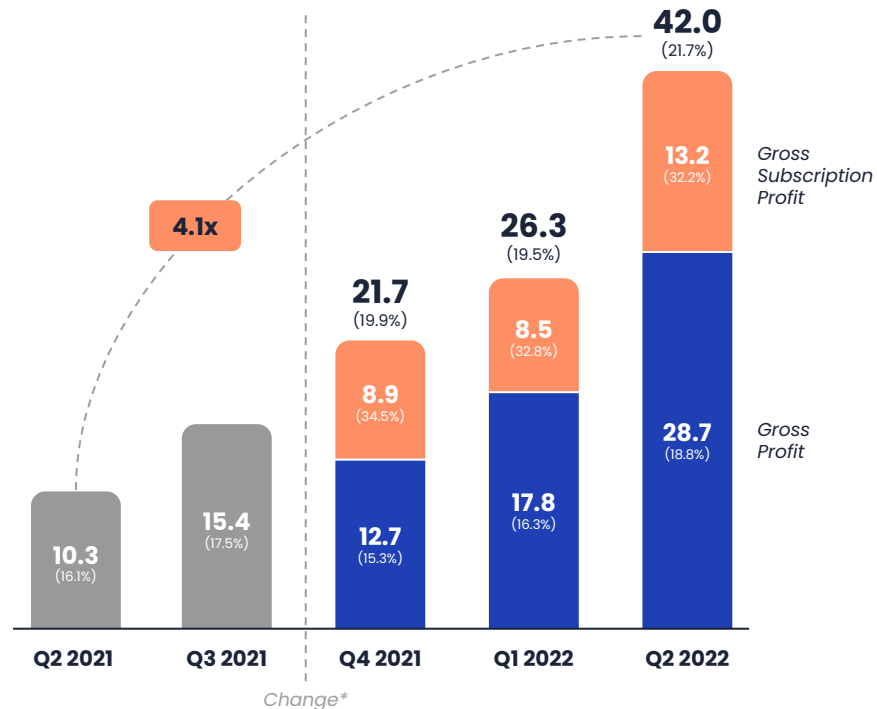
	Direct purchase (~75-80% of customers today)	Subscription (~20-25% of customers today)	Otovo Group
Revenue	Revenue Booked revenue, value of upfront payment from customer	Contracted Subscription Revenue Present value of all subscription payments over 20 years, discounted at 5%	Revenue generated (1a) Revenue + (2a) Contracted subscription revenue
Profit	Gross profit Revenue - Upfront COGS, value of payment to installers (inc. HW)	Gross Subscription Profit Contracted subscription revenue - Upfront COGS, value of payment to installers (inc. HW) - Present value of O&M cost (Inverter replacement in Y 10 & customer service)	Gross Profit generated (1b) Gross Profit + (2b) Gross subscription profit
Assets		Accumulated Contracted Subscription Revenue Present value of the remaining cash flows from subscription contracts, discounted at 5%	Accumulated Contracted Subscription Revenue Present value of the all remaining cash flows from subscription and service contracts, discounted at 5%

Strong improvement in profitability

Revenue generated (NOKm)

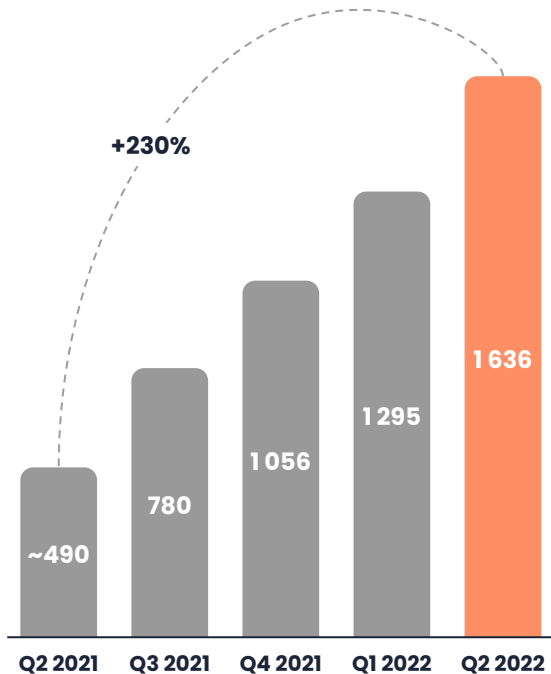


Gross profit generated (NOKm)

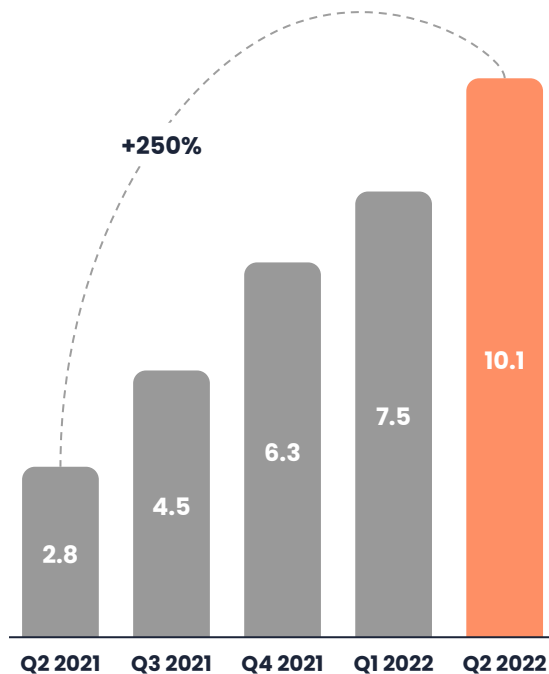


Continued growth in Subscription segment

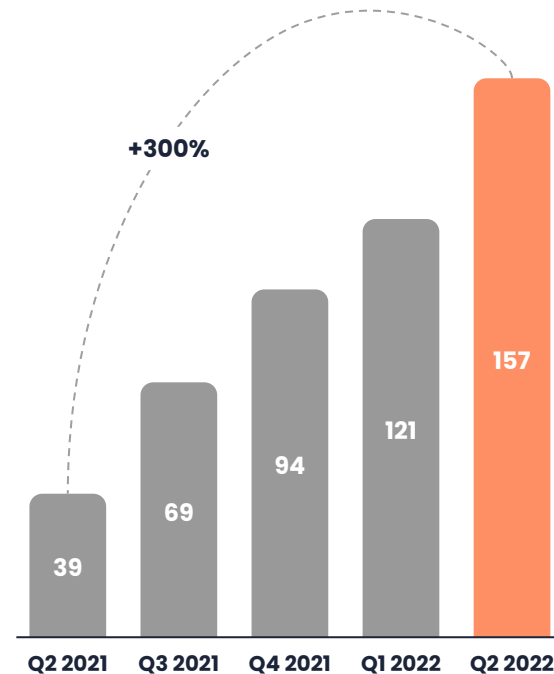
Total Subscribers (#)



Annual Recurring Revenue¹ (NOKm)



Accumulated Contracted Subscription Revenue (NOKm)



Subscription SPV now EBITDA profitable with secured financing through 2022

Reported P&L for Subscription SPV

(NOK 000')	Q2 2022
Revenue	2 255
Operating expenses, ex depreciation	1 930
Reported EBITDA	324

Comments

Business priorities

- After merger with Otovo, approved in April, incentives are fully aligned between origination and subscription entity
- Subscription share continues to increase – top 3 priority across Otovo

Financing update

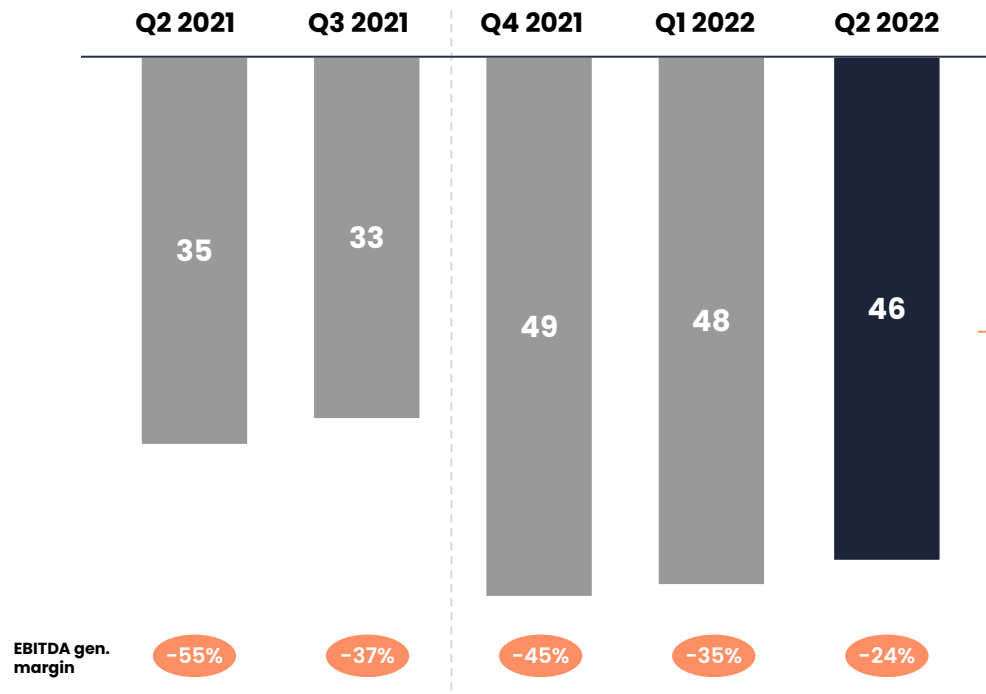
- First two tranches of Nordea debt drawn (Total NOK 50m)
- Signed commitment letter for additional NOK 100m with Nordea on similar terms
- Expected that current facility will be sufficient to finance EDEA through 2022

Long-term vision

- Key component of Otovo's business model
- Financing strategy aims to minimize equity required to support SPV
- Pursue similar approach as American peers for monetizing portfolio

EBITDA generated continue to improve with operational leverage

EBITDA generated (NOKm)¹



Comments

EBITDA² generated at NOK -46m up from NOK -48m in Q1 22 of which:

Non-recurring items including country launch & growth-related costs -6.6m

- Preparing launch of next 3 markets
- Recruiting, building network in UK, Austria & Portugal
- Continued ramp-up in building team and network in Germany
- External services related to e.g. rebranding ISWT (French acquisition) to Otovo, closing of EDEA transaction

Share-based compensation -2.0m

- Expense related to Otovo share and option program included in payroll

Cash position of NOK 330m with upside from tax credits and undrawn credit lines bringing cash equivalents above NOK 400m

Cash development during Q2 2022 (NOKm)

Otovo Actuals
Reported Cash
Q1 22

Operating
activities

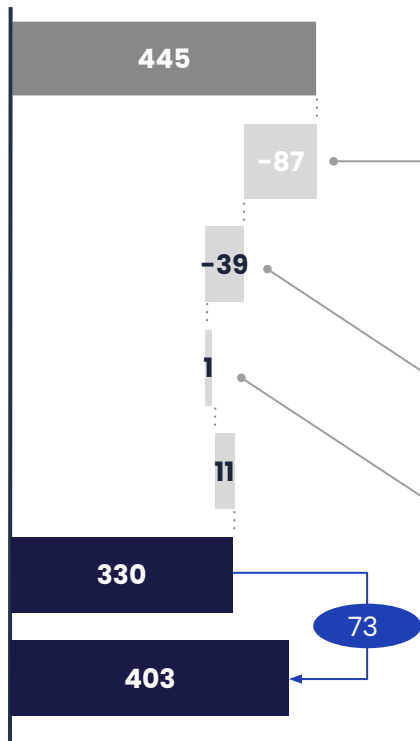
Investing
activities

Financing
activities

F/x on cash and
cash equivalents

Otovo Actuals
Reported Cash
Q2 22

Cash equivalents adj.
for tax credits and
undrawn debt



Details on cash flow relating to operating activities

NOK -87m of cash flow from operating activities

- Cash EBITDA of NOK -45m, improvement of NOK 4m from previous quarter
- Flat development in operating working capital - decrease of NOK 1.2m over period including NOK 9.9m in inventory
- Non-operating working capital increased by NOK 37m driven by Italian tax credits (increase of NOK 23m)

NOK -39m from investing activities

- Equity paid in for Holu, Brazilian JV, of NOK 6.7m
- Capitalized R&D (software development) of NOK 7.2m
- NOK 25.1m invested in Subscription assets

NOK 1m of cash flow from Financing activities:

- Exercise of options of NOK 2.9m net of lease payments and downpayment on long-term debt
- *Note: Otovo draw on second tranche of debt from Nordea in early July, would improve cash position of NOK 25m if executed in Q2*

Taking more active role in supply chain to ensure throughput burdening working capital



Energy

Global renewable power prices soar on heavy demand, chaotic supply chain

By Nichola Groom and Isla Binnie



FINANCIAL TIMES US solar energy boom 'stuck' as industry confronts obstacles

Inflation, tariffs and import bans threaten to slow record installations, executives say



A government agency predicts the US will add a record 215 gigawatts of utility-scale solar capacity this year, but private forecasters have doubts. © Mary Althoff/REUTERS

Bloomberg

Solar Industry Crimped by Supply-Chain and Logistical Challenges

More active role in supply chain

- Supply chain issue single most **important factor constraining** industry
- Otovo leverages Pan-European position and balance sheet to **stimulate throughput**
- Operating **working capital remains flat** despite inverters and panels held over quarter for Q3 deliveries
- Positive signals that supply chain tension **will improve** but remain tight next quarters

Examples of actions taken



Helping **installers secure more credit** from hardware distributors



Securing hardware for **installers** through volume commitments



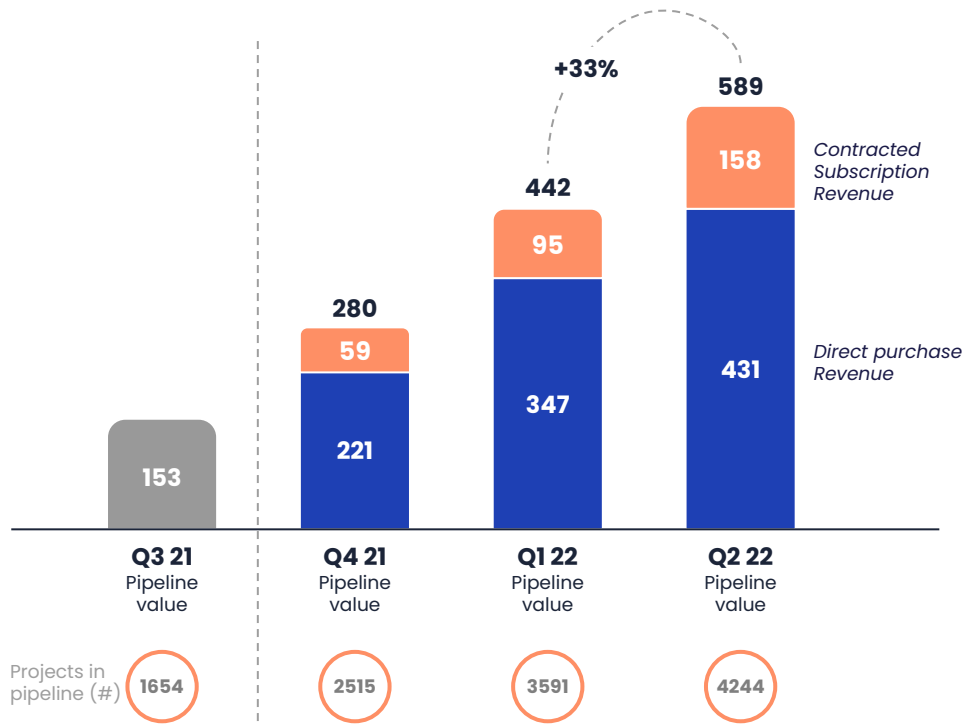
Sourcing **inverters and panels** directly from manufacturers to mitigate **bottlenecks**



Leveraging Pan-European presence to **move hardware** from Poland to Germany

Healthy growth in pipeline – Outlook of more than NOK 500m in revenue generated for second half

Pipeline value at end of quarter (NOKm)



Comments

Pipeline

- Building a healthy pipeline of **high-value** projects
 - Average project in pipeline with ticket size of NOK 131k, up from 120k in Q1
 - 24% of projects in pipeline are on a subscription model
- Ratio of pipeline to revenue generated has decreased by ~7%, throughput speed is increasing

Outlook

- Expecting more than NOK 500m of Revenues generated in second half
- Similar in size as value of pipeline with some markets observing shorter lead times than others

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Otovo installation in Milan, Italy. Q2 2022

Records set, defying heavy friction, easing ahead

- **STRONG QUARTER** in sales, installations, revenue and margin, showing ability to shift focus to quality and more profitable sales in a high pressure environment:
 - 2,398 sales versus 1,183 same quarter last year, **up 2.0x**
 - 1,745 installations versus 864 same quarter last year, **up 2.0x**
 - NOKm 194 revenue generated versus NOKm 64 same quarter last year, **up 3.0x**
 - NOKm 42 gross profit generated versus NOKm 10 same quarter last year, **up 4.1x**
- **BUSINESS HEALTH UP**, manifesting itself with all major metrics improving, and three countries with positive margins
- **EUROPEAN MOMENTUM:** Solar markets are booming, and Europe is set for a decade of high activity. Otovo is on track for continental leadership with ongoing scaling in Germany, Portugal, UK and Austria. Three more markets to be added in second half, as planned
- **STRONG OUTLOOK**, with solid pipeline and confidence in ability to deliver more than NOKm 500 in second half, and gradually easing supply chain conditions

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Appendix

Profitability | Sold projects by market

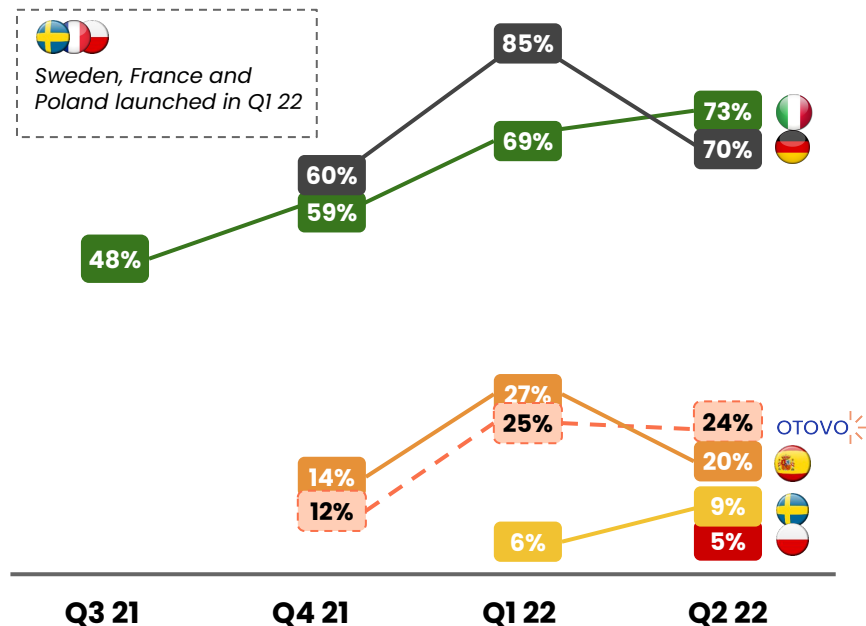
Figures for projects sold in Q2'22

	Ticket size		Batteries		Gross margin		Subscription share	
	Avg. sale, NOKk ²⁾		Attachment rate		Indicative		Share of sales	
	150+	↑	0%	–	High	↑	10–25%	↑
	120–150	↑	<10%	↑	Medium	–	25–50%	↓
	80–100	↑	<10%	↑	Medium	↑	<10%	↑
	50–80	↑	10–20%	↑	Medium	↑	50%+	↑
	120–150	↑	50%+	↑	High	↑	0%	–
	50–80	↑	<10%	↑	Medium	↑	25–50%	↑
	150+	↑	50%+	↑	Medium	↑	50%+	↑
Group	125	↑	24%	↑	25%¹⁾	↑	25%	↑

Batteries | Now a significant share of installations

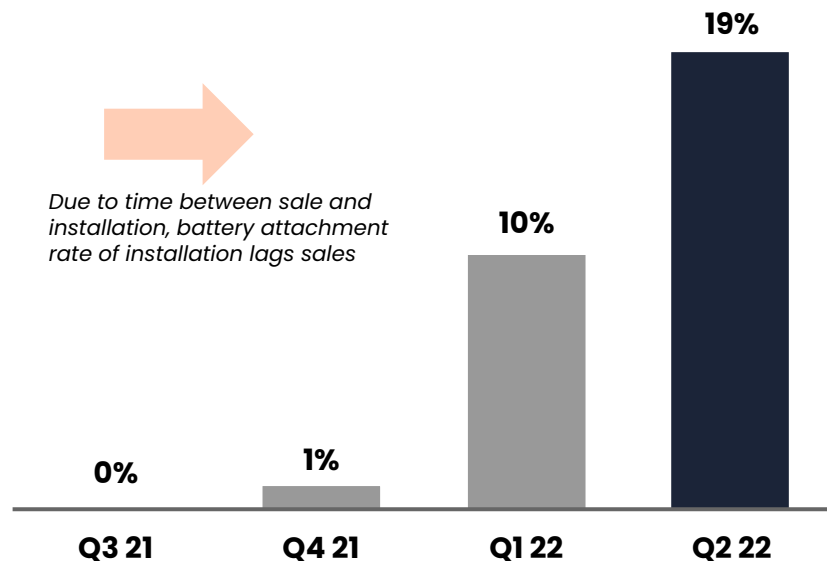
Share of sales

of sales with battery as share of total sales¹



Share of installations

of installations with battery as share of total installations, OTOVO Group



Historic figures | Pipeline vs. sales vs. installations

Q2 2022	Unit	Sales	Pipeline	Installations
Units	#	2,398	4,244	1,745
Direct purchase	#	1,808	3,205	1,382
Subscription	#	590	1,039	363
Subscription share	%	25%	24%	21%
Battery attachment rate	%	24%	23%	19%
Avg. ticket size	NOKk	125	131	102
Direct purchase	NOKk	128	135	107
Subscription	NOKk	115	120	83

Q1 2022	Unit	Sales	Pipeline	Installations
Units	#	2,541	3,591	1,459
Direct purchase	#	1,970	2,777	1,199
Subscription	#	571	814	260
Subscription share	%	23%	23%	18%
Battery attachment rate	%	25%	21%	10%
Avg. ticket size	NOKk	117	120	89
Direct purchase	NOKk	120	125	92
Subscription	NOKk	109	107	73

Evolution of metrics

- Installation metrics (e.g. ticket size) naturally lag sales & pipeline metrics
- Due differences in time from sale to installation between markets, pipeline can accumulate a skewed sample of sold projects
- E.g., longer lead time in markets with high ticket size will skew pipeline ticket size up, and installation ticket size down
- Projects sold and installed within the same quarter never enter pipeline, and are therefore only reflected in Sales & Installations

Financials | Segment reporting

P&L if all assets
were sold as
direct purchase

Actual revenues
& cost for the
subscription SPV

Eliminating the
revenue & cogs on
subscription assets
(w/o value uplift)

Segment Reporting – Q2 2022

(NOK 000')

	Direct purchase	Subscription	Elimination	Otovo Group
Revenue	183,670	-	-30,692	152,978
Other operating revenue	1,611	2,255	-842	3,024
Total operating revenue	185,281	2,255	-31,534	156,002
Cost of goods sold	148,984	-	-24,850	124,134
Payroll and related costs	47,235	29	-	47,264
Depreciation, amortisation and impairment	5,483	1,195	8,842	15,520
Other operating expenses	40,382	1,901	-800	41,483
Operating profit/(loss)	-56,803	-870	-14,726	-72,399

Direct purchase
segment – Blue
bars on p.20

Subscription SPV now
fully owned by Otovo,
and will have a smaller
cost base going
forward

Not including value of
subscription assets –
artificially low.
Replaced by the Key
Metrics

Historical figures

Historic figures | Reported financials

Accounting measures	Unit	Q1 20	Q2 20	Q3 20	Q4 20	Q1 21	Q2 21	Q3 21	Q4 21	Q1 22	Q2 22
Revenue (ex. other revenue)	NOKm	35	42	30	40	38	64	88	98	109	153
Other revenue	NOKm	0	0	0	5	0	0	-1	2	3	3
Total revenue	NOKm	35	43	30	45	38	64	87	99	112	156
COGS	NOKm	-29	-36	-24	-33	-32	-54	-72	-82	-91	-124
Gross profit	NOKm	6	7	6	7	6	10	15	15	18	29
Opex	NOKm	-28	-21	-29	-29	-43	-44	-48	-69	-76	-89
EBITDA	NOKm	-22	-14	-22	-22	-37	-33	-33	-53	-55	-57
Depreciation	NOKm	-5	-5	-5	-4	-5	-4	-6	-9	-15	-16
EBIT (Operating profit)	NOKm	-27	-19	-28	-26	-43	-38	-39	-62	-69	-72
Gross margin	%	16%	16%	21%	18%	15%	16%	18%	16%	16%	19%
EBITDA margin	%	-63%	-32%	-74%	-55%	-100%	-52%	-37%	-54%	-50%	-37%

Historic figures | Operating metrics

Operating metrics	Unit	Q1 20	Q2 20	Q3 20	Q4 20	Q1 21	Q2 21	Q3 21	Q4 21	Q1 22	Q2 22
Sales	#	546	477	584	640	815	1,183	1,470	2,066	2,541	2,398
Pipeline	#	659	673	771	805	924	1,286	1,654	2,515	3,591	4,244
Installations	#	452	464	486	617	663	864	1,086	1,209	1,459	1,745
Average ticket size (sold)*	NOKk	77	60	58	55	81	85	90	105	117	125
Average ticket size (installed)*	NOKk	79	90	61	62	54	75	79	83	89	102
Battery attachment rate (sold)	% of #	0%	0%	0%	0%	0%	3%	8%	12%	25%	24%
Battery attachment rate (installed)	% of #	0%	0%	0%	0%	0%	0%	0%	1%	10%	19%
Subscription share (sold)	% of #	0%	18%	29%	23%	19%	23%	24%	17%	23%	25%
Subscription share (installed)	% of #	0%	0%	13%	16%	21%	22%	26%	21%	18%	21%

Historic figures | Group metrics

Note: Pro-forma group metrics prior to Q4 21 highly indicative

Group metrics (pro-forma)	Unit	Q1 20	Q2 20	Q3 20	Q4 20	Q1 21	Q2 21	Q3 21	Q4 21	Q1 22	Q2 22
Revenue generated	NOKm	36	42	31	41	39	69	93	109	135	194
Revenue	NOKm	36	42	25	32	27	52	66	83	109	153
Contracted subscription revenue	NOKm	0	0	6	9	12	17	27	26	26	41
Total COGS	NOKm	-30	-35	-28	-37	-30	-56	-74	-87	-109	-152
Cost of goods sold - Direct	NOKm	-30	-35	-24	-31	-22	-45	-55	-70	-91	-124
Cost of goods sold - Subscription	NOKm	0	0	-4	-5	-7	-10	-17	-15	-16	-25
Subscription O&M cost	NOKm	0	0	0	-1	-1	-1	-2	-2	-2	-3
Profit generated	NOKm	6	7	3	4	9	13	19	22	26	42
Direct purchase	NOKm	6	7	2	1	5	7	11	13	18	29
Subscription	NOKm	0	0	2	3	4	6	8	9	9	13
Opex & adjustments	NOKm	-28	-21	-29	-29	-43	-44	-48	-71	-77	-91
Opex	NOKm	-28	-21	-29	-29	-43	-44	-48	-69	-76	-89
Subscription revenue, quarter	NOKm	0	0	0	0	0	0	0	-1	-2	-2
Pro-forma adjustment	NOKm	0	0	0	0	0	0	0	-1	0	0
EBITDA generated	NOKm	-22	-13	-25	-26	-34	-31	-29	-49	-51	-49

Gross margin generated	%	16%	17%	11%	9%	24%	19%	20%	20%	19%	22%
EBITDA margin generated	%	-62%	-32%	-80%	-63%	-86%	-44%	-31%	-45%	-38%	-25%

Sold - Revenue generated	NOKm	41	30	38	39	70	108	142	229	312	315
Sold - Gross profit generated	NOKm	7	7	9	8	13	22	28	45	71	86

} Estimated future revenue and gross profit generated from the projects sold in the quarter, irrespective of installation timing

Gross profit generated per sale	NOKk	13	15	16	13	16	19	19	22	28	36
Opex per sale	NOKk	52	44	49	46	53	37	33	33	30	37
Opex per installation	NOKk	62	44	59	48	65	51	44	57	52	51

} Estimated gross profit generated of sales in quarter, divided by number of units sold
 } Current quarter opex divided by number of sales in & installations quarter

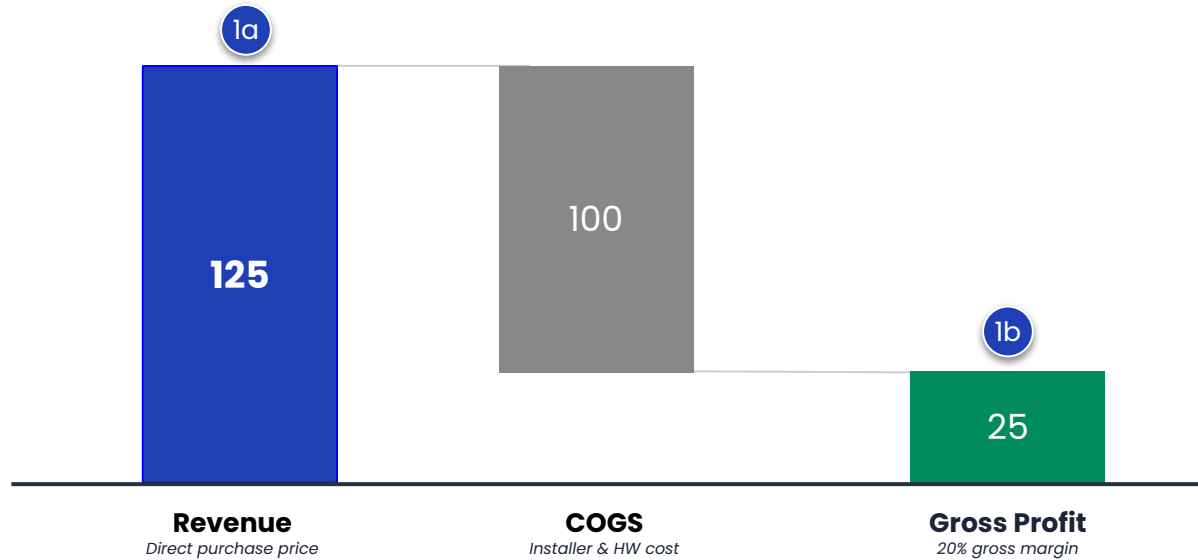
Group metrics

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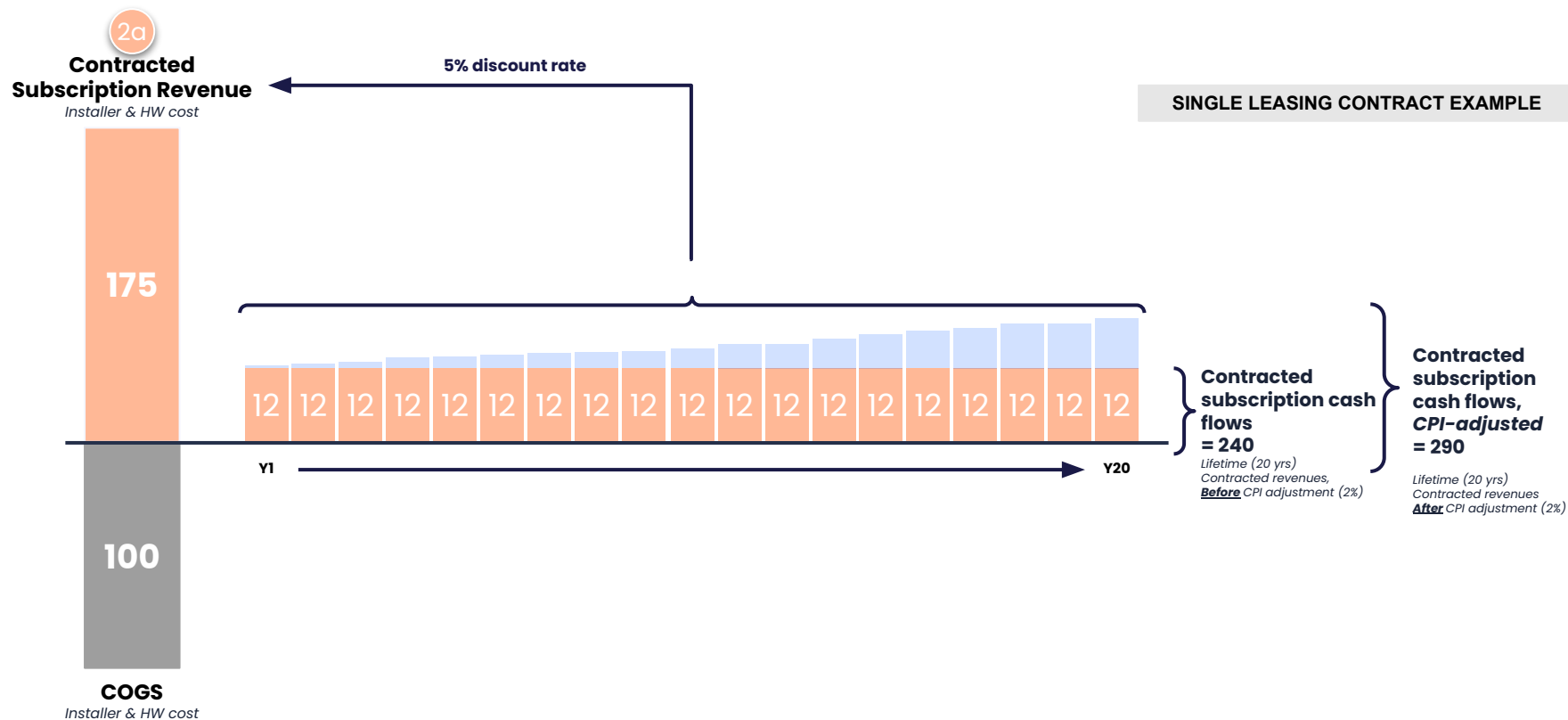
	Direct purchase (~75-80% of customers today)	Subscription (~20-25% of customers today)	Otovo Group
Revenue	Revenue Booked revenue, value of upfront payment from customer	Contracted Subscription Revenue Present value of all subscription payments over 20 years, discounted at 5%	Revenue generated (1a) Revenue + (2a) Contracted subscription revenue
Profit	Gross profit Revenue - Upfront COGS, value of payment to installers (inc. HW)	Gross Subscription Profit Contracted subscription revenue - Upfront COGS, value of payment to installers (inc. HW) - Present value of O&M cost (Inverter replacement in Y 10 & customer service)	Gross Profit generated (1b) Gross Profit + (2b) Gross subscription profit
Assets		Accumulated Contracted Subscription Revenue Present value of the remaining cash flows from subscription contracts, discounted at 5%	Accumulated Contracted Subscription Revenue Present value of the all remaining cash flows from subscription and service contracts, discounted at 5%

Single contract example

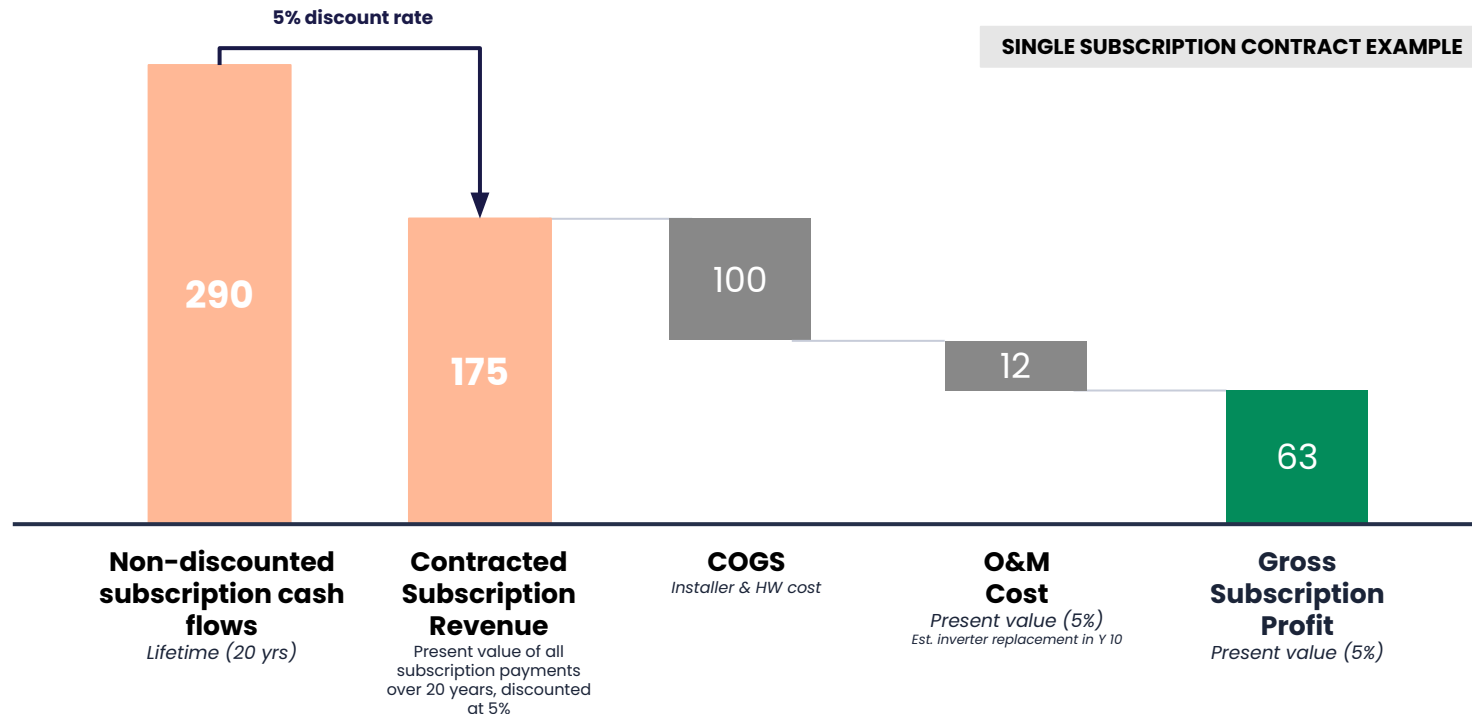
Gross Profit | Direct purchase example



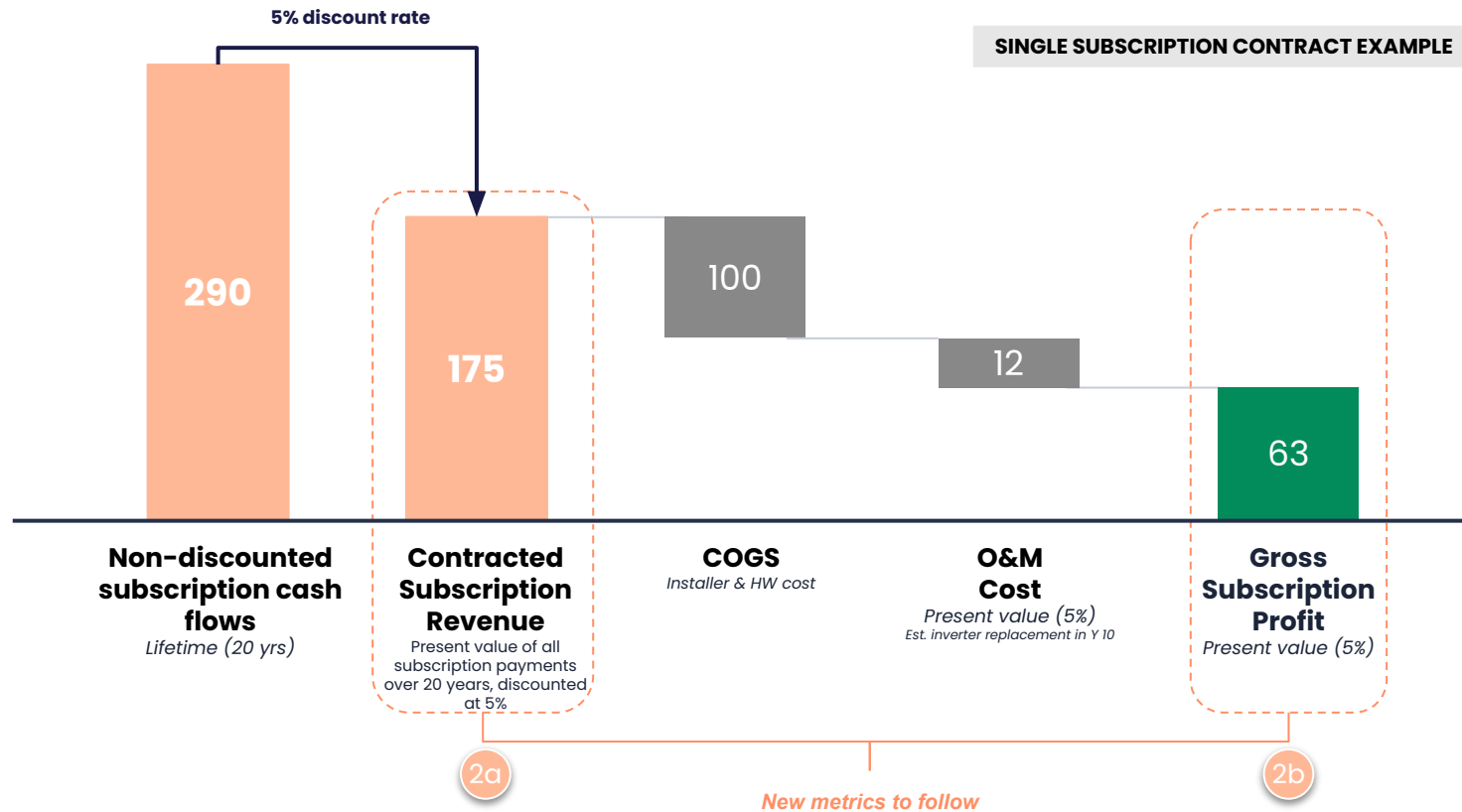
Contracted Subscription Revenue | Revenue metric



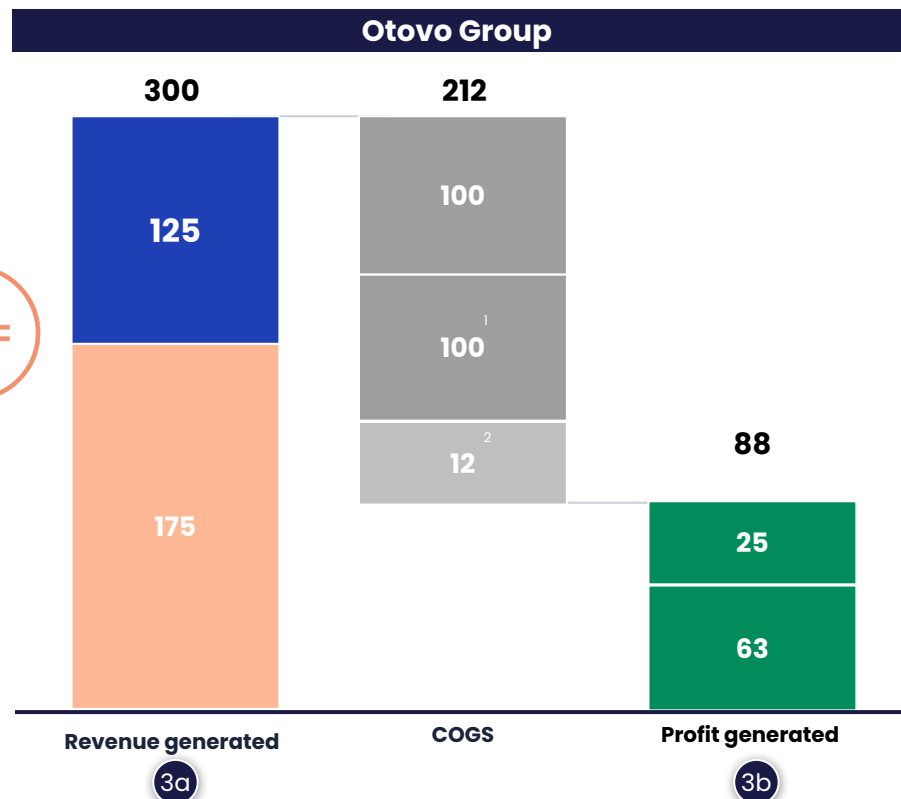
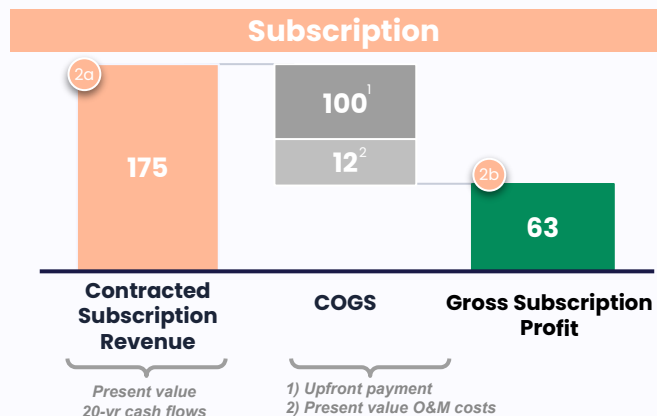
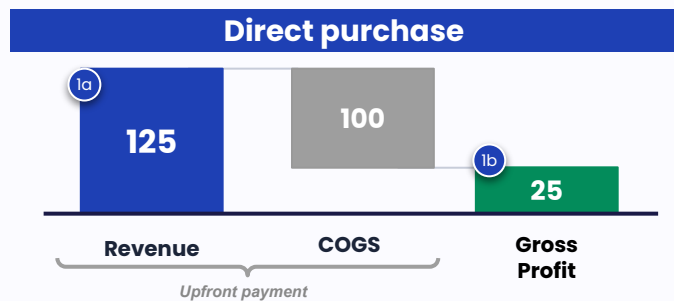
Gross Subscription Profit | Metric to reflect gross profit



Gross Subscription Profit | Metric to reflect gross profit



Direct + subscription | Revenue & profit generated



Glossary

Definitions

Contracted Subscription Revenue (CSR)

Net present value of contracted cash flows created in the period from subscription customers over contract lifetime adjusted with expected CPI increases

Subscription O&M (S O&M)

Net present value of operation and maintenance cost relating to the fulfillment of subscription contracts over their lifetime (currently estimated at approx. 1% of COGS annually), including replacement of equipment.

Gross Subscription Profit (GSP)

Contracted subscription revenue less COGS and S O&M

Revenue generated

Revenue + Contracted Subscription revenue

Gross Profit generated

Gross profit + Gross Subscription Profit

EBITDA generated

Gross Profit Generated – total SG&A (Payroll & Related costs, Other Operating Expenses)

Accumulated Contracted Subscription Revenue (ACSR)

The accumulated CSR in the portfolio

Subscription

Customer relationships with recurring revenue, such as leases, service agreements etc relating to distributed energy systems

Definitions

Direct sale

Distributed energy systems paid for directly by the customer, including sales financed by the homeowner's loans

Annual Recurring Revenue (ARR)

Annual recurring revenue from subscription portfolio

Customers

Number of customers per segment

Project / Unit

A PV system and/or a battery

Churn

of subscription customers who exercised their purchase option in the period

Discount Rate

Rate used to discount future cash flows in order to calculate net present value. Currently 5%.

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