CleanTech Venture Capital Report 2024

FCF DeepTech Series

F C F

March 2024

EXECUTIVE SUMMARY

FCF OVERVIEW

CLEANTECH VENTURE CAPITAL MARKET

CLEANTECH IPO EXITS

CLEANTECH M&A EXITS



The FCF DeepTech Series is a standardized set of reports, tracking European VC funding trends within four main DeepTech verticals and can be used as a quick reference for investors, corporates and professionals

More advanced. detailed and / or customized reports are available upon request



FCF analyzes and tracks the European funding trends within four main DeepTech verticals. Each guarter, one of the four verticals is examined individually. FCF defines DeepTech companies as firms whose product or service offerings are based on heavy R&D, patent development, substantial scientific advances and high-tech engineering, creating real technological innovations (in contrast to Internet-Platform companies applying 'state-of-theart' technology to transform a non-digital business model to a digital one)



CleanTech

Developers of technologies that seek to reduce the environmental impact of human activities or to significantly reduce the amount of natural resources consumed through such activities

Advanced Manufacturing

Companies utilizing innovative and novel technologies to improve products or processes related to manufacturing

FCF DeepTech Verticals



FoodTech

Companies that provide technological solutions for the food and agricultural sector to enhance productivity, automation and monitoring capabilities as well as to produce alternatives to currently common food products

Robotics and Drones

Automated or remote-controlled mechanical devices and technology. This includes machinery programmed to perform repetitive tasks, precision tasks and remote-operated movement or travel (e.g. UAVs, etc.)

Recipients

The FCF DeepTech Series targets the following recipients:

- Corporates / Executives
- Family Offices / HNWIs
- Institutional Investors
- Advisors
- Venture Capital Investors

Availability

The FCF DeepTech Series is available on FCF's website at 'https://www.fcf.de/de/research/'

To recommend colleagues or fellow investors to be added to the mailing list, kindly send an email with the respective contact information

If you have questions, comments or ideas, please do not hesitate to contact us



This edition of the inaugural FCF DeepTech Series focuses on VC funding developments within the European Clean-Tech vertical

The European CleanTech vertical has been split into six main sub-sectors

- (i) Alternative Fuels & Materials,
- (ii) E-Mobility,
- (iii) Energy Efficiency,
- (iv) Energy Generation,
- (v) Energy Storage, and
- (vi) Recycling, Waste & Environment

CleanTech Subsectors

CleanTech companies develop and provide products or services that improve operational performance, productivity or efficiency, while reducing costs, input resources, energy consumption, waste and / or environmental pollution. For the purpose of this report, the CleanTech vertical is further divided into the following subsectors:



Alternative Fuels & Materials

Companies that provide solutions for environmentally-friendly alternatives to either conventional fossil fuels and nuclear materials or traditional engineering construction materials

E-Mobility

Innovators of technologies, contributing towards clean mobility solutions such as electric vehicles, clean drivetrains and non-fossil fuel-based fuelling stations

Energy Efficiency



Companies developing innovative technologies aimed to reduce the amount of energy required to provide products and services

Selection of Companies

The companies were selected based on the following criteria:

- Companies with venture capital financings since 2016
- Venture capital funding round (for completeness, undisclosed deals also included)
- Company HQ located in Europe
- Company operating within CleanTech vertical*



Energy Generation

Developers and technology providers of alternative energy generating equipment, which includes technologies related to solar, hydroelectric, wind, etc.



Energy Storage

Companies engaged in energy storage technologies that include commercial and industrial batteries and capacitors

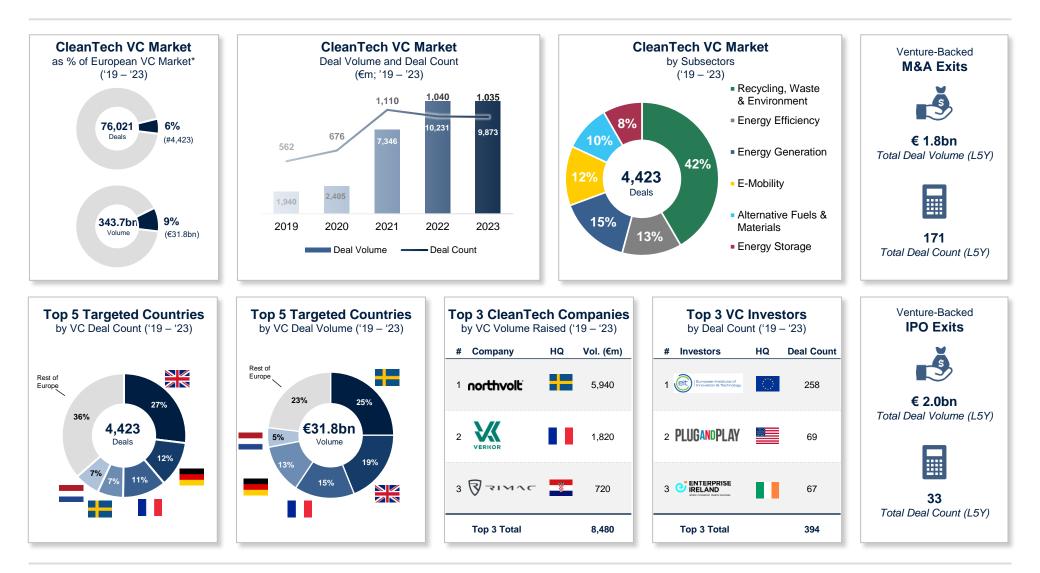


Recycling, Waste & Environment

Providers of environmental services, which include environmental management, waste management and pollution control services

Data

All input data is provided by Pitchbook and S&P Capital IQ and has not been independently verified by FCF. For additional information and disclaimer, please refer to the last page European CleanTech – Venture Capital Facts & Figures



Source: PitchBook as of 12.03.2024, S&P Capital IQ as of 12.03.2024, FCF Equity Research

* Total European venture capital market

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FCF seeks to provide its clients with financing solutions

- (i) at the lowest cost,
- (ii) with the highest flexibility,
- (iii) in the shortest period of time,
- (iv) with the highest closing probability, and with
- (v) financing partners that integrate well into their strategy

Who We Are

- Specialized Investment Bank and Financing Specialist
- Advising public and private small- / midcap companies
- Advisor for structuring and placement of financing transactions:
 - All instruments: Unbiased approach to all available corporate financing instruments (no product selling approach), allowing for customized financing structures
 - All investors: Close and trusted relationships with senior executives of virtually all relevant equity and debt investors
 - Fast process: Process management skills and direct / personal access to institutional debt and equity investors enable fast transactions
- More than 150 transactions with a total placement volume in excess of EUR 5.0 billion since foundation in 2005
- More than 15 professionals headquartered in Munich

Capital Markets Capabilities and Services

Equity	Private / Pre-IPO	Venture capitalGrowth capital	•	Private equity
	Public	 Initial Public Offering (IPO) / Capital increase Dual-track (IPO and alternative transaction 	•	pursued in tandem) Private investment in Public Equity (PIPE) Block trade
Debt	Short-term Debt	 Receivables / Factoring / Asset-backed securities Borrowing base / Inventory 	•	Working capital / Revolving credit facility Guarantees / Letter of credit
	Long-term Debt	 Bank loan facility / Syndicated loans Sale-and-lease-back / Leasing Corporate bonds (public / private placement) High yield / PIK bond 		Promissory note (<i>Schuldscheindarlehen</i>) Second lien / Subordinated loans Venture debt Unitranches
	Hybrid	 Mezzanine capital 	•	Convertible bonds

Syndicated Loan and Capital Increase European Investment Debt Facility Acquisition Loan Capital Increase M&A (Sell-Side) M&A (Sell-Side) M&A (Sell-Side) European Investment Financial Advisory Syndicated Loan Factoring Facility Bank Debt Facility Facility Bank Debt Facility FRANKENGUSS ENERGIE SER: >>> German MITTELDEUTSCHE ALTENDORF Limmalech ante *PMG K K A PARTNERS N OVO RUZ AIRPORT HOLDING SACHSENGUSS Biologica JORA Holding Altendorf Group LimmaTech Biologics KKA Management PMG Projektraum German Bionic Mitteldeutsche ante Holding In Ovo B.V. Energieinsel SER / RUZ Group aerofoils GmbH GmbH & Co. KG GmbH Management GmbH Systems GmbH Flughafen AG GmbH & Co. KG GmbH AG EUR 40m ~ EUR 30m EUR 20m [confidential] EUR 15m [confidential] [confidential] [confidential] [confidential] [confidential] [confidential] [confidential] June 2023 May 2023 March 2023 March 2023 March 2023 December 2022 December 2022 January 2024 December 2023 August 2023 February 2023 December 2022 Working Capital Software-Leasing Interest Rate Hedging European Investment Factoring Facility Equity Transaction Acquisition Loan and Acquisition Loan Syndicated Loan Syndicated Loan Syndicated Loan, Syndicated Loan Facility Bank Debt Facility Joint Venture with Working Capital Facility Facility Factoring, Real Estate Facility Family Office Sale & Lease-Back C FRANKENGUSS Z7 EKWD MITTELDEUTSCHE **<u>CHO</u>** SCHNELLECKE [confidential] 📕 Lloyd Fonds AG Doppstadt AIRPORT HOLDING SACHSENGUSS Bencis [confidential] ZIEGLERGROUP Leading Global JORA Holding GmbH & Co. KG Mitteldeutsch Schnellecke KWD Automotive Top 10 German Food Ziegler Holzindustrie Doppstadt Group CHO-Time Group Evum Motors GmbH Bencis Llovd Fonds AG Device-as-a-Service Flughafen AG Logistics SE AG & Co, KG Company GmbH & Co. KG Company EUR 7m EUR 10m EUR 150m > EUR 12m EUR 25m > EUR 50m > EUR 20m [confidential] EUR 70m EUR 70m EUR 85m EUR 230m November 2022 October 2022 October 2022 September 2022 September 2022 September 2022 May 2022 April 2022 December 2021 December 202 October 202 August 2021

Selected Transactions







Case Study: In Ovo B.V.

EUR 40m European Investment Bank Growth Finance Facility

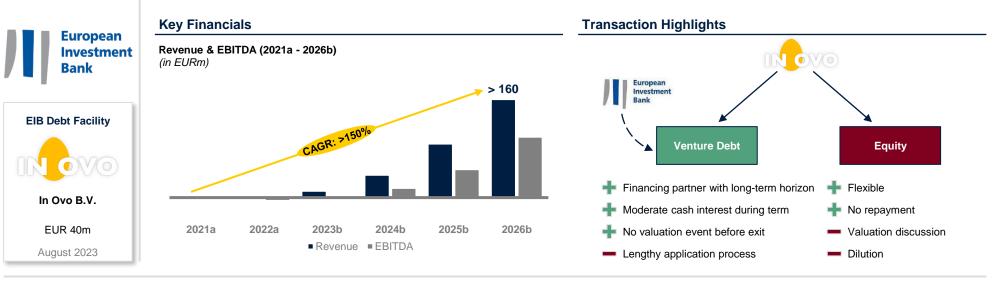
FCF advised In Ovo B.V. on a EUR 40m development debt facility from the European Investment Bank (EIB) to fund the manufacturing of new machines as well as R&D activities and further product developments

Company Description

- In Ovo B.V. is the leading European producer and provider of chicken gender-typing machines, sorting male and female eggs before hatching
- The lead product, named Ella, determines the gender of chickens by employing proprietary biomarkers
- By using In Ovo's machines, hatcheries stop suffocating or shredding male chickens as they only hatch female chicks
- Each Ella machine can perform more than 11 million tests per year, saving more than 5 million male chicks p.a.
- In Ovo significantly contributes to animal welfare by ending the culling of chicks and revolutionizing the poultry industry
- By only hatching female chicks, CO₂ emissions are drastically decreased, leading to a more sustainable production of eggs
- In Ovo was founded in 2013 and is headquartered in Leiden, Netherlands, with subsidiaries in Belgium and Germany

Financing Options

- In 2018, before the EIB financing, In Ovo raised a first Series A with Evonik Venture Capital, VisVires New Protein and Leiden University
- In order to finance further development, In Ovo secured a Series B of EUR 34m with ECBF, ABN AMRO and existing shareholders in 2022
- After the successful prototyping of their machines, In Ovo decided to leverage a large EUR 40m venture loan from the EIB as growth capital
- The funds will be used for further development, additional R&D, as well as CAPEX financing related to rollout and set-up of the Ella machines
- The EIB financing provided funding:
 - Without dilution / valuation discussion
 - In tranches tailored to the business & liquidity needs





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Case Study: Quantum-Systems GmbH

> € 10m European Investment Bank Growth Finance Facility

FCF advised
Quantum-Systems
GmbH on a > € 10m
development debt
facility from the
European
Investment Bank
(EIB) to fund the
strong growth of the
firm subsequent to
an equity financing
round

Company Description

- Quantum-Systems GmbH (Quantum) is a developer and global leader in the automatic transition, eVTOL¹ fixed wing UAS² technology with applications in the surveying and defense and security sector
- The drones' hybrid functions combine eVTOL and common aircraft characteristics, thereby achieving long range and silent flights
- The highly efficient UAS are fully autonomous and powered with Al technology, enabling clients to benefit from the megatrend autonomous data collection solutions
- Clients governments and firms operating in the areas of smart farming, surface mining, surveying and infrastructure – benefit from the best-in-class data quality, enabling real-time position detection
- Quantum was founded in 2015 and is headquartered in Oberpfaffenhofen (west of Munich) at a special-purpose airfield and currently employs more than 60 staff

Financing Options

- Prior to the EIB financing, Quantum was able to secure equity financing from several top-class strategic investors
- In addition to the equity financing, the venture debt instrument was taken up by Quantum to secure additional firepower to support the strong growth trajectory whilst minimizing the dilution to existing investors and the founders
- The secured funds will be aimed at further expanding R&D capabilities in autonomous flight and AI technology alongside strengthening integration of system-critical components of eVTOL UAS within clients' operating infrastructure
- The EIB financing provided the required funding:
 - Without dilution / valuation discussion
 - Already available during pre break-even growth phase





Case Study: ROBART GmbH

€ 9m European Investment Bank Growth Finance Facility

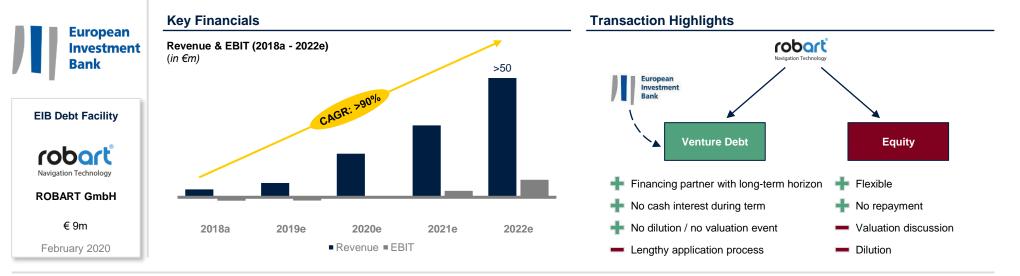
FCF advised ROBART GmbH on a € 9m development debt facility from the European Investment Bank (EIB) to fund the scale up of the business

Company Description

- ROBART GmbH (ROBART) is the technology leader in the field of Alnavigation systems for home appliance robots
- The company develops innovative navigation solutions, combing AI software, patented LIDAR technology and IoT services, enabling intelligent robotic navigation and human-robot interaction
- ROBART's products and services help its customers blue-chip home appliance manufacturers - to accelerate the product development of intelligent robotic products
- Customers can choose from development services, plug & play navigation kits or entire private-label produced robotic products
- The company's expertise is planned to be rolled-out in other up-coming fields of mobile robotics (security, homecare, professional cleaning etc.)
- ROBART, located in Linz, Austria and branches in the US, China and Germany, was founded in 2009 and employs approx. 50 employees

Financing Options

- Up to the transaction, ROBART was financed with venture capital by several blue chip venture capital / corporate venture firms
- In order to accelerate growth, the company intended to raise further financing, especially to fund the expansion of its sales & marketing efforts, working capital requirements and further R&D spending
- Equity financing with existing and new investors was considered but the combination of the amount required and the valuation obtainable would have resulted in high dilution for the founders
- The EIB financing provided the required funding:
 - Without dilution / valuation discussion
 - In tranches tailored to the business liquidity needs
 - Without cash interest during the term of the loan
 - With a five year term long enough to reach break-even





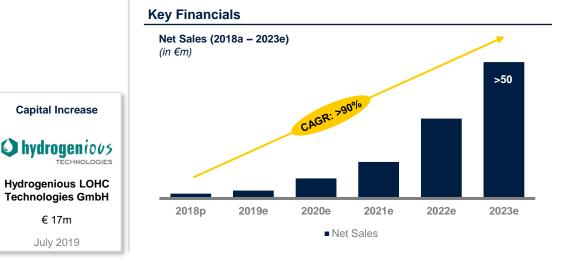
Case Study: Hydrogenious LOHC Technologies GmbH

Capital Increase

FCF advised
Hydrogenious
Technologies GmbH
and its shareholders
on the successful
completion of a
capital increase (total
volume € 17m),
further funding the
scale up

Company Description

- Developer of a hydrogen storage technology designed to store hydrogen in Liquid Organic Hydrogen Carriers (LOHC) – the revolution in hydrogen storage and transport
- Disruptor of the hydrogen logistics markets, enabling hydrogen to be transported in a non-toxic, non-flammable and non-explosive state
- Innovator, capitalizing on the emerging megatrend of hydrogen mobility, enabling the efficient the transport and distribution of hydrogen to Hydrogen Refueling Stations (HRS)
- Global leader in 'next-generation' mobile, 'on-board' LOHC technology
- Key partners (e.g. Clariant, MAN, Sasol, United Hydrogen, etc.) have been brought onboard to support in the development / testing phase
- Hydrogenious was founded in 2013 by Dr. Daniel Teichmann and Profs. Arlt, Schlücker and Wasserscheid in Erlangen, Germany. At present, the company employs ~65 FTEs



Investor Profiles



AP Ventures, formerly part of Anglo American Platinum, is a venture capital firm backed amongst others by Anglo American Platinum, a major global mining company



Mitsubishi Corporation is Japan's largest trading company / conglomerate and a member of the Mitsubishi keiretsu covestro

Covestro is a major German company which produces specialty chemicals for heat insulation foams and transparent polycarbonate plastics



Vopak is the world's leading tank storage company that stores and handles various oil, chemicals, edible oils and natural gas-related products

Transaction Highlights

- The Company mandated FCF to structure and place a €17m Series B financing round aimed at launching further commercial pilot projects and scaling up the technology
- FCF identified and approached a extensive list of relevant international venture capital, strategic and selected Family Office investors
- Hydrogenious received strong interest from investors, securing a strong negotiating position in terms of valuation and contractual terms, all the while ensuring closing probabilities were maximized
- Hydrogenious and FCF were able to secure the investment of three new strategically valuable investors, in addition to a further commitment from its anchor investor AP Ventures, that offer new joint commercialization projects whilst providing substantial firepower in future financing rounds



Case Study: Synapticon GmbH

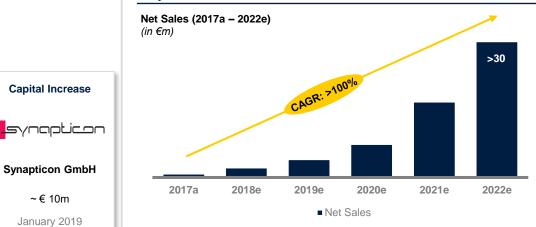
~ € 10m Capital Increase with Family Office

FCF advised Synapticon GmbH and its shareholders on the successful completion of a capital increase (total volume ~ € 10m), further funding the company's successful growth strategy and global commercialization plans

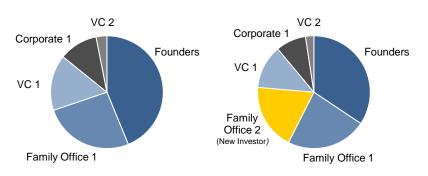
Company Description

- Provider of motion control solutions for the Advanced Manufacturing industry, combining advanced software and electromechanics to deliver high performance servo drives (key electromechanical robotic motion control component)
- Comprehensive product portfolio spanning servo drives, integrated drive units and SoC (System on Chip) based on proprietary software SOMANET and sold as either customized or off-the-shelf solutions
- Clients are blue chip Advanced Manufacturing and automation machinery OEMs (KUKA, Comau, Schunk, etc.) as well as emerging Asian Advanced Manufacturing companies
- Acting as a one-stop supplier, the company offers turn-key solutions that drastically reduce the overall time-to-market
- Founded in 2012, based in Schönaich, Germany, the company currently employs 50 people in four locations (Germany, Serbia, USA and China)

Key Financials



Shareholdings (pre & post)



Transaction Highlights

- Synapticon is the innovation leader in robotic motion control and is scaling its operations in order to further develop / commercialize its product portfolio
- To finance and realize its business strategy, Synapticon mandated FCF to structure a ~ € 10m financing round
- FCF identified and approached a competitive list of relevant international venture capitalists as well as selected family offices
- Synapticon received a high number of submitted Lols, enabling a strong negotiating position with regards to valuation and contractual terms, while at the same time maximizing closing probability
- FCF and Synapticon were able to onboard a value-added family office as a new financing partner with strong industrial 'know-how' while also securing pro-rata participation from the existing shareholders

EXECUTIVE SUMMARY

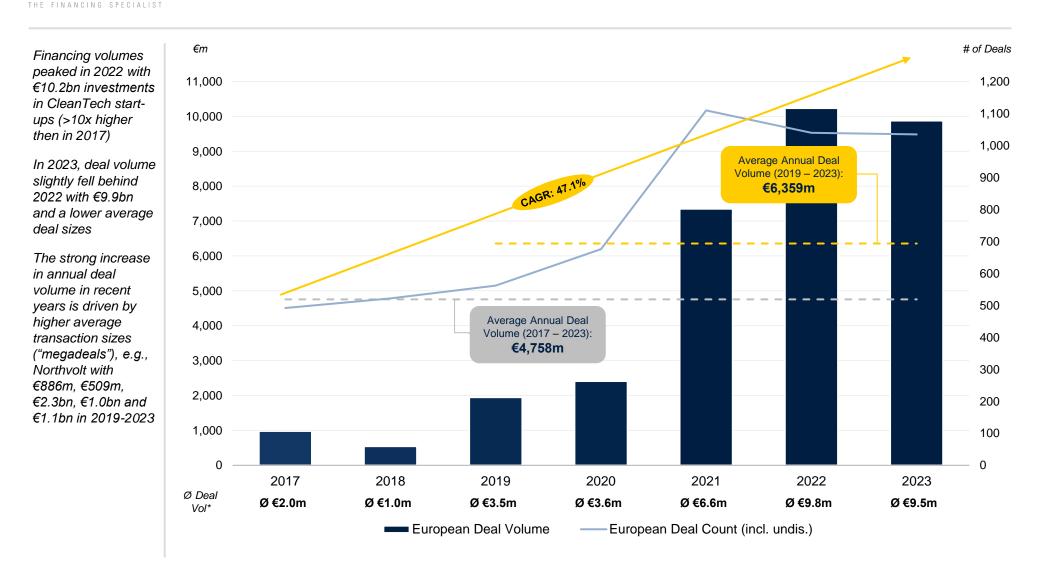
FCF OVERVIEW

CLEANTECH VENTURE CAPITAL MARKET

CLEANTECH IPO EXITS

CLEANTECH M&A EXITS

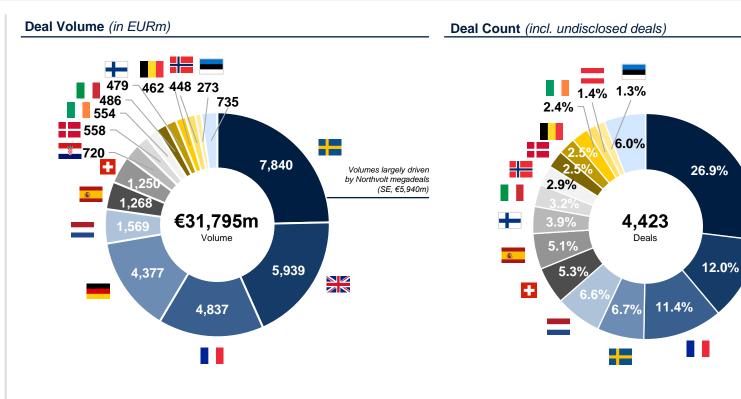
European CleanTech Venture Capital Market Development



F C F European CleanTech Countries ('19 – '23) by Deal Count & Volume

While the United Kingdom represents by far the largest deal count over the past 5 years, Sweden leads the ranking by deal volume due to the large transactions of Northvolt. Without Northvolt. Without Northvolt, Sweden would only be on rank 4 (with \in 1.9bn deal volume) after Germany

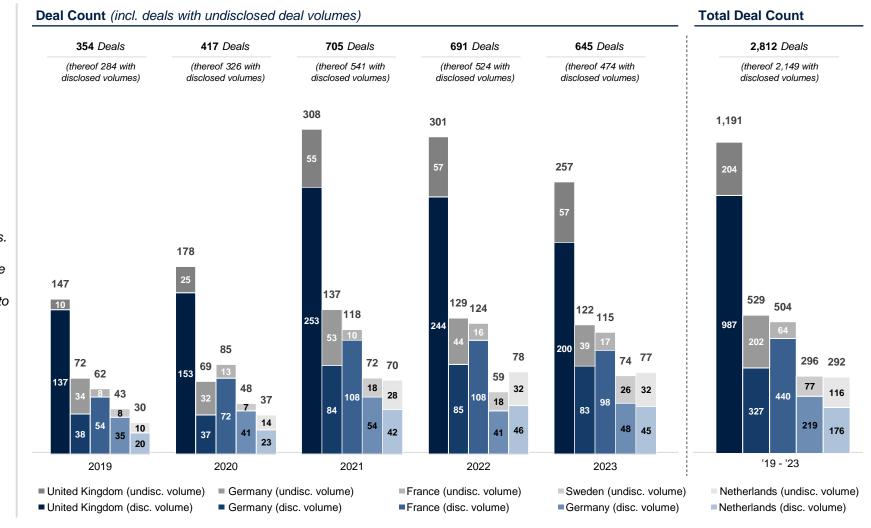
The Top 10 countries represent approx. 85% of the total European CleanTech market (deal count & volume)



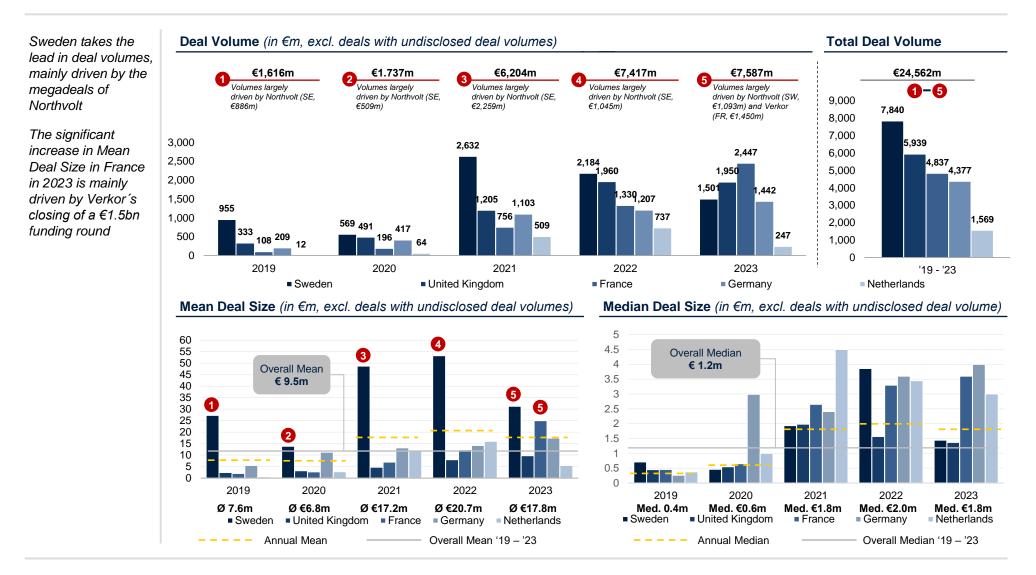
F Top 5 Targeted European CleanTech Countries ('19 – '23) – Part I by Deal Volume per year

Since 2019, the UK has recorded the largest number of deals with a total of 1,191 VC funding rounds, followed by Germany with 529 deals and France with 504 deals

German and Dutch companies appear more secretive in terms of disclosing VC funding volumes. Approx. 60% of recorded deals have a disclosed deal volume, compared to approx. 85% for British and French companies



Top 5 Targeted European CleanTech Countries ('19 – '23) – Part II by Deal Volume per year

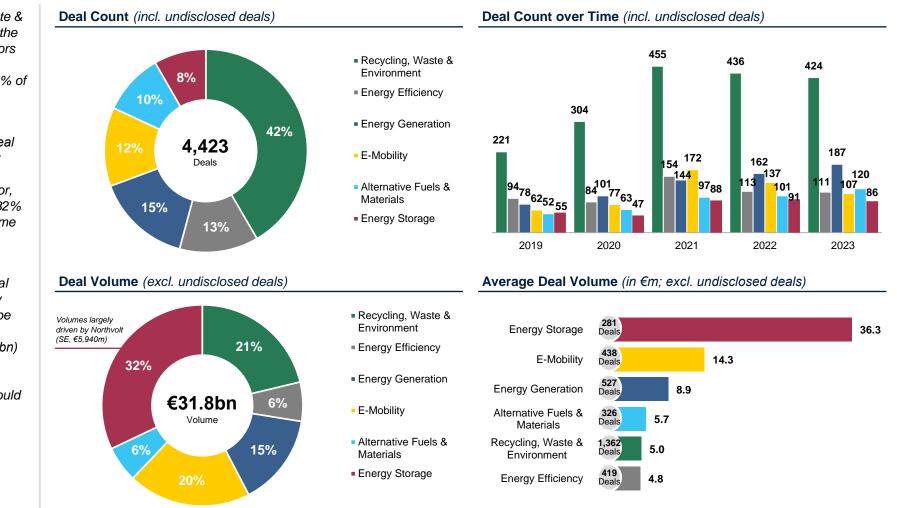


European CleanTech Subsector Analysis ('19 – '23) by Deal Count & Volume



With €10.2bn deal volume, Energy Storage is the largest subsector, accounting for 32% of the total volume

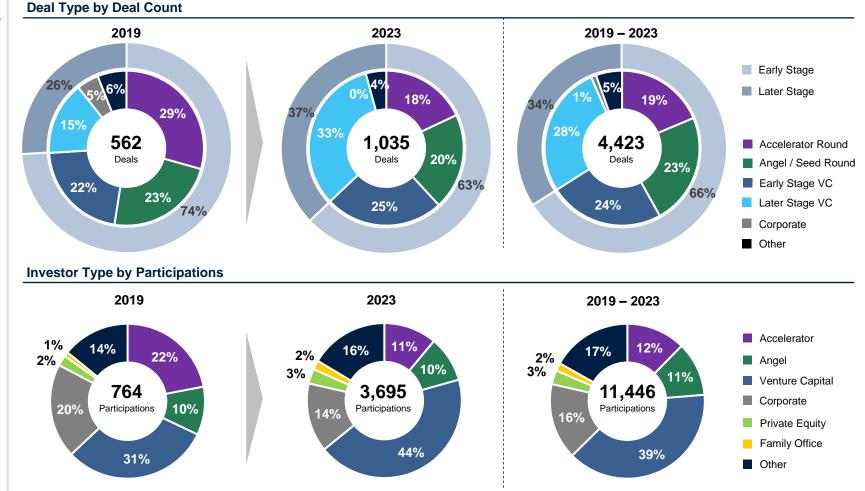
Adjusting for megadeals of Northvolt (in total €5.9bn), Energy Storage would be the 4th largest subsector (€4.3bn) and Recycling, Waste & Environment would rank as largest subsector with €6.8bn



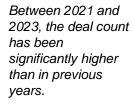
European CleanTech Stage Analysis ('19 – '23) by Deal Count

The CleanTech industry has matured in the last 5 years. The share of Later Stage VC deals increased by more than 40pp from 26% in 2019 to 37% in 2023

The shift to later stage deal types is also reflected by the investor type. Participation of Accelerators has decreased from 22% in 2019 to 11% in 2023, whereas proportion of VC investors across all transactions increased from 31% in 2019 to 44% in 2023

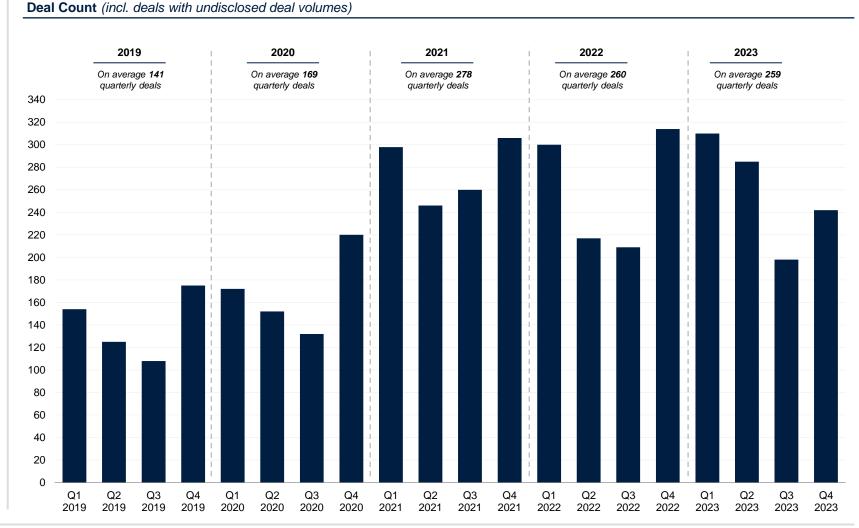


Quarterly CleanTech Venture Capital Deal Count ('19 - '23)

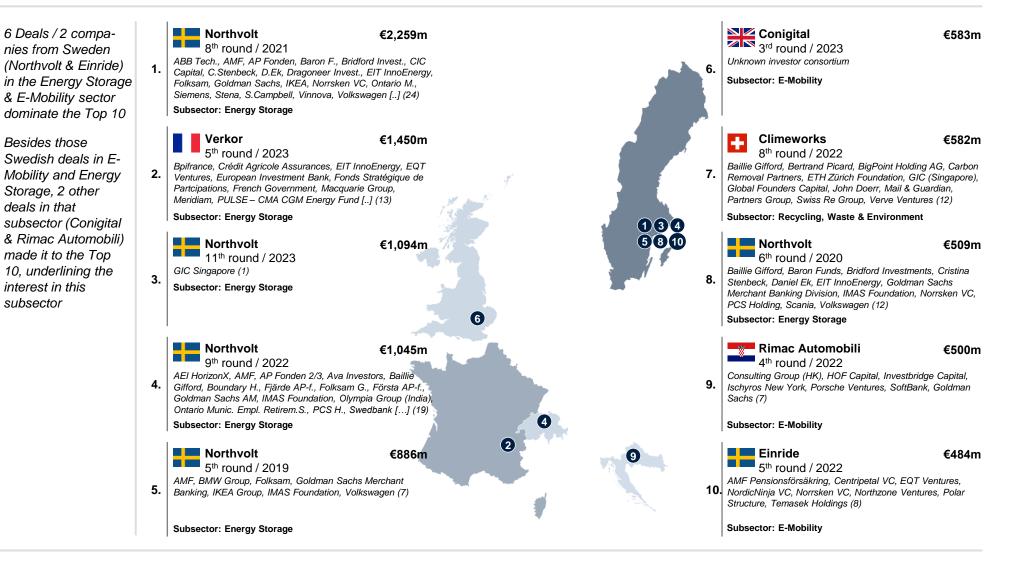


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The first and last quarters were always the strongest periods in terms of deal activities between 2019 and 2023

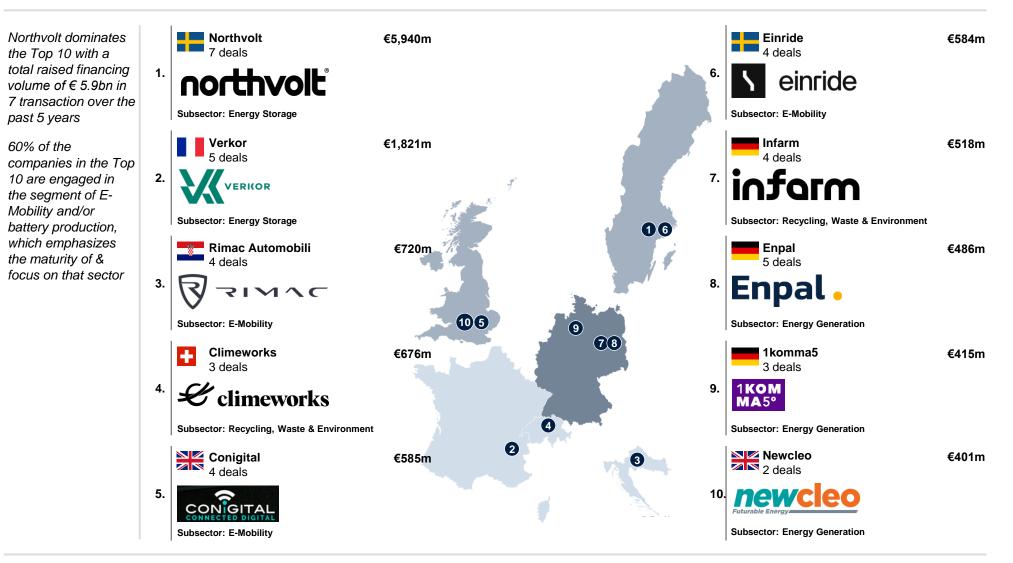






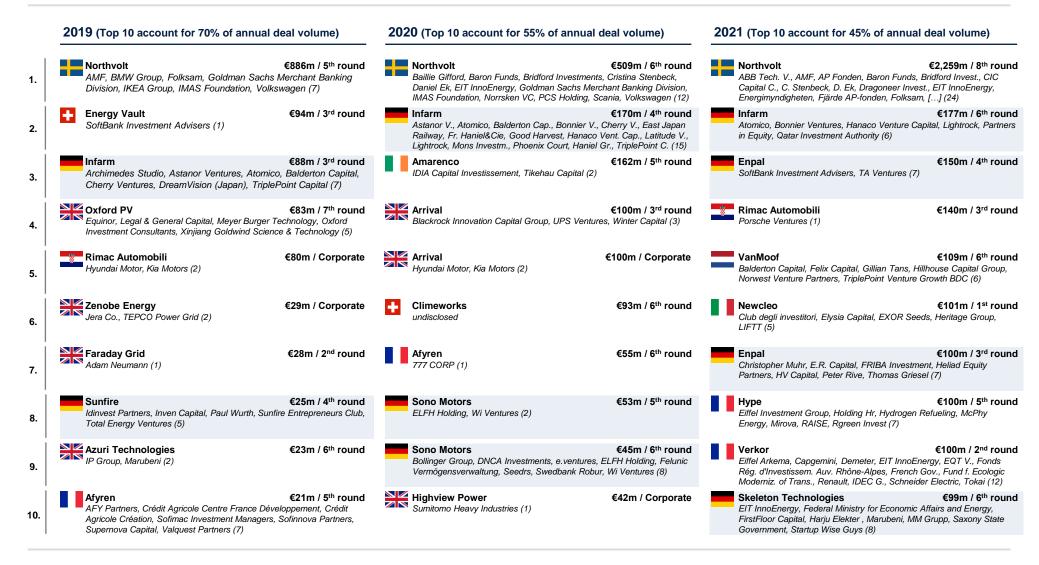
Top 10 European CleanTech Companies ('19 – '23)

by Cumulated Deal Volume



Annual Top 10 European CleanTech Deals ('19 - '21)

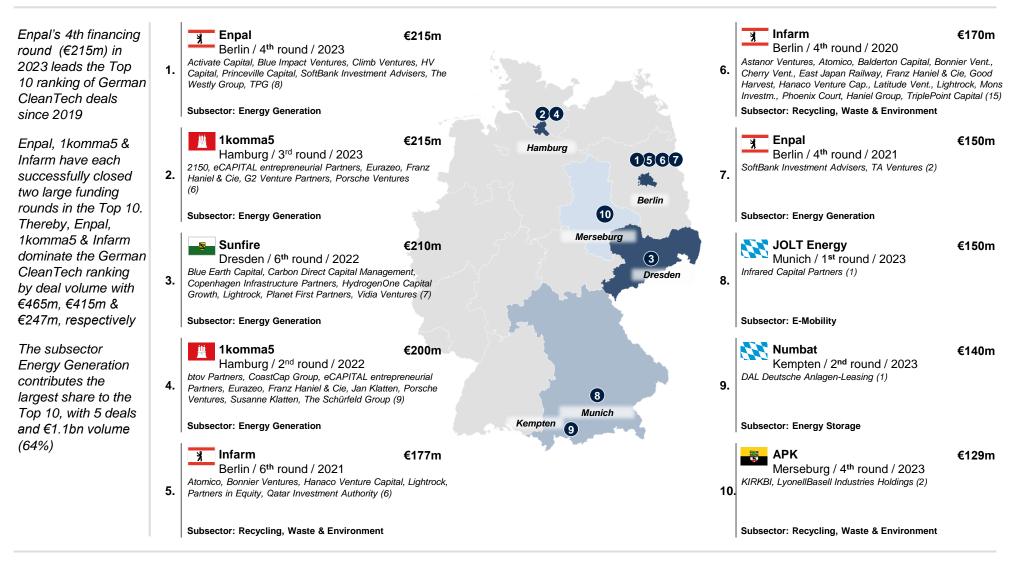
by Deal Volume



FCF Annual Top 10 European CleanTech Deals ('22 – '23) by Deal Volume

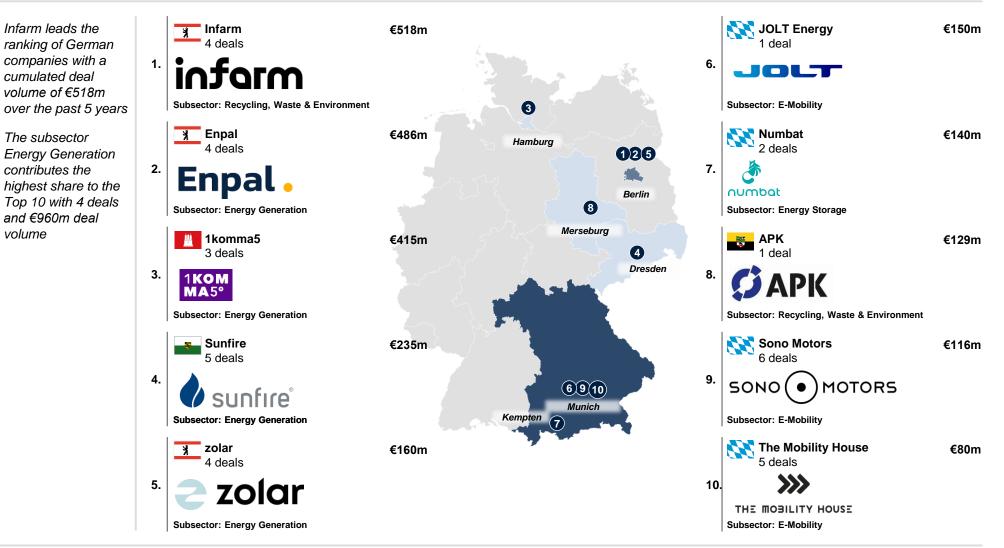


F C F Top 10 German CleanTech Deals ('19 – '23) by Deal Volume*



Top 10 German CleanTech Companies ('19 – '23)

by Cumulated Deal Volume*



Source: PitchBook as of 12.03.2024, FCF Equity Research Note: Deal count includes deals with undisclosed deal volumes *Only equity raisings considered



Most Active Investors in European CleanTech Companies ('19 – '23) by Deal Count

The European

Institute of Innovation & Technology (EIT) leads the ranking with 258 VC rounds via its various sub-entities (Climate, Food, Digital, etc.) and related EU-vehicles (e.g., Horizon 2020)

The European CleanTech Venture Capital market is dominated by European investors, with only two of the Top 10 investors with headquarters in US

The deal count is dominated by early stage, acceleratorlike investors



Deal Count: 258

1. Deals: Northvolt (2), Verkor (4), Skeleton Technologies (3), NexWafe, Elestor (2), Twaice, DePoly, Altris (3), Basquevolt, HPS, NAWA Technologies, Brill Power (2) [...]

PLUGANDPLAY

Deal Count: 69

2. Deals: Einride (2), Sylvera (3), Circulor (2), Epoch Biodesign, Minimum (2), Climatetrade, FuelSave, Greyparrot, Mellizyme, Earthly, Minimum (2), Ducktrain, Reefilla (3) [...]



Deal Count: 67

3. Deals: Acel Energy, Active Difference, Ambisense (3), Duugoong, Carbon Collect, Chargicity, ev.energy (3), Positive Carbon (3), Xerotech (4) [...]

bpifrance

Deal Count: 54

 Deals: Verkor (2), EasyMile, NAWA Technologies (2), Qairos Energies, Moulinot, Elicit Plant, Phenix, CarbonWorks, K-Ryole, Adionics, CarbonFarm, Fractal Energy [...]

techstars_

5. Deal Count: 50

 Deals: Kumulus Water (2), FoodSteps, BIB, BoxxDocks, Enco, Eneryield (2), FuelSave, Hive Power (2), Terrawaste, Chargd, Einride, HelioRec, Sirius (2), Savvy, LOWR [...]



Deal Count: 47

6. Deals: LIBREC, SmartHelio (2), Composite Recycling, Antefil (2), Biosimo, Enerdrape, Inergio, CompPair, Pallon, WattAnyWhere, Bloom Biorenewables, Gaia Tech [...]



Deal Count: 36

7.

9.

Deals: GreenIron, Epishine, Re:Newcell, Peafowl Plasmonics (3), Hoting Innovations, Elonroad, Spowdi, Bintel (3), EnJay, Nitrocapt (2), Reliefed Technologies, Klimato [...]



Deal Count: 35

8. Deals: AIRMO (2), Carbon Centrum, BetterChoice, Ecolynx, Insutex, Infrared City, NeoCarbon (3), Ocean Oasis (2), Quantitas, Sustainly, Xwatts,Klimate,co [...]



Deal Count: 35

Deals: Aeon Energy, Windscope, Plastic-I, Plant Sea, Naeo, Myriad Wind Energy Systems, Halocycle (2), Spintex (2), Future Greens, Ecoroots, Cleaner Seas Group [...]



Deal Count: 32

10. Deals: Circardian (2), Planboo, IM Efficiency (3), Klimate.co, Contribe, Helio, Organifarms, Gridhound, Circular IQ Bright Energy, Holy Technologies, Lyfa [...]

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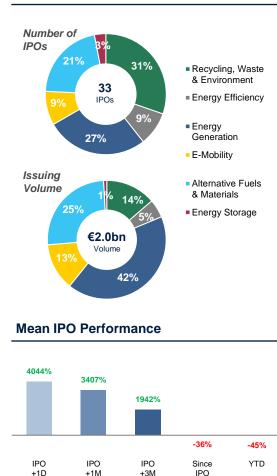
CLEANTECH IPO & SPAC EXITS

CLEANTECH M&A EXITS

European CleanTech VC-Backed IPO Market Overview ('19 - '23)

IPOs by Subsector

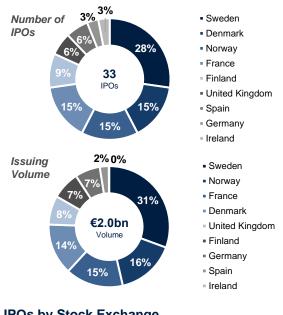
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IPO Date	Company	Exchange	HQ	Volume <i>(€m)</i>	IPO MCap <i>(€m)</i>	Since IPO %
23/06/2021	OX2 AB			394	1,503.8	-8.8%
10/02/2021	Skandia GreenPower AS	CELD BOITS VPS		150	265.0	-99.6%
17/06/2021	Green Hydrogen Systems A/S	NASDAQ OMX Copenhagen		148	433.4	-84.9%
17/11/2021	Sono Group N.V.	Nasdaq		133	936.6	-99.6%
09/11/2021	Pod Point Group Holdings Plc	London Stock Exchange		117	403.3	-90.5%
26/10/2021	Waga Energy Société anonyme	EURONEXT Paris		110	465.0	8.1%
20/05/2022	Lhyfe SA	EURONEXT Paris		110	419.1	-42.2%
23/06/2021	Spinnova Oyj	NASDAQ OMX Heisinki	-	100	390.0	-68.5%
19/10/2020	Volue ASA	CELO BOITS VPS		91	410.6	-35.1%
26/11/2020	Re:NewCell AB			79	230.6	n/a*

Top 10 CleanTech IPOs by Volume

IPOs by Country (HQ)





Source: S&P Capital IQ as of 20.03.2024, FCF Equity Research * Companies no longer publicly listed

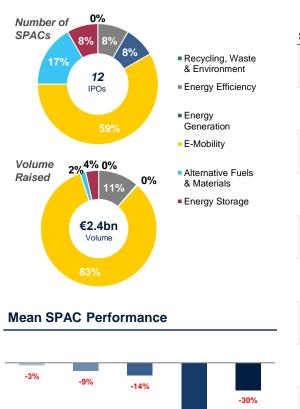
European CleanTech VC-Backed SPAC Market Overview ('19 - '23)

SPACs by Subsector

IPO

+1D

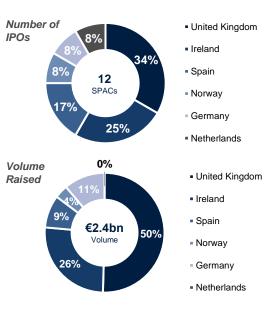
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	SPAC Date	Company	Exchange	HQ	Volume <i>(€m)</i>	SPAC MCap <i>(€m)</i>	Since SPAC %
Vaste ent iency	28/04/2023	Zapp Electric Vehicles Group Limited	NASDAQ		649	297.7	-97.2%
loney	16/12/2021	Vertical Aerospace Ltd.	NYSE		349	2,200.0	-93.5%
uels	02/01/2022	ADS-TEC Energy PLC	NASDAQ		315	484.0	-21.5%
age	19/10/2021	Navitas Semiconductor Corporation	NASDAQ		275	283.7	-18.6%
	20/10/2023	Next.e.GO N.V.	NASDAQ		270	227.1	-82.7%
	24/03/2021	Arrival	NASDAQ otc		217	11,065.3	-99.9%
	07/10/2021	Wallbox N.V.	NYSE	6	213	1,390.5	-81.7%
	08/07/2021	FREYR Battery, Inc.	NYSE		87	286.7	-78.8%
-30%	10/12/2020	Fusion Fuel Green PLC	NASDAQ		38	57.2	-87.6%
YTD	20/12/2023	EnergyPathways plc			5	2.3	-53.5%

Top 10 CleanTech SPACs by Volume

SPACs by Country (HQ)



SPACs by Stock Exchange



IPO

+3M

IPO

+1M

-73%

Since

IPO

EXECUTIVE SUMMARY

FCF OVERVIEW

CLEANTECH VENTURE CAPITAL MARKET

CLEANTECH IPO EXITS

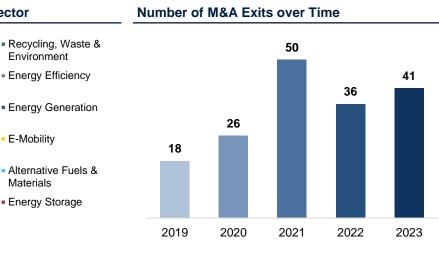
CLEANTECH M&A EXITS

Overview of CleanTech VC-Backed M&A Exits ('19 – '23)

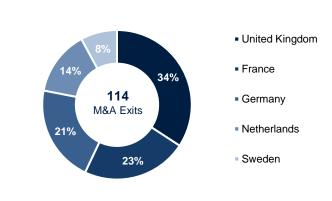
11% 29% 171 M&A Exits 18% 24%

Number of M&A Exits by Subsector

FINANCING SPECIALIS



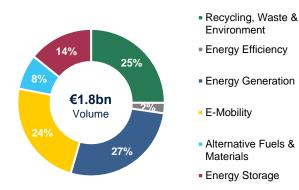
Top 5 Target Countries (# of M&A Exits)

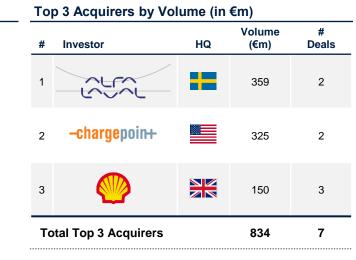


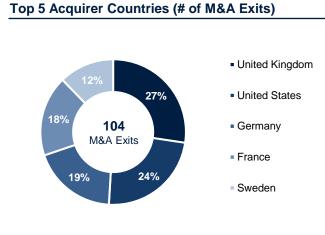
Disclosed Volume of M&A Exits by Subsector

E-Mobility

Materials



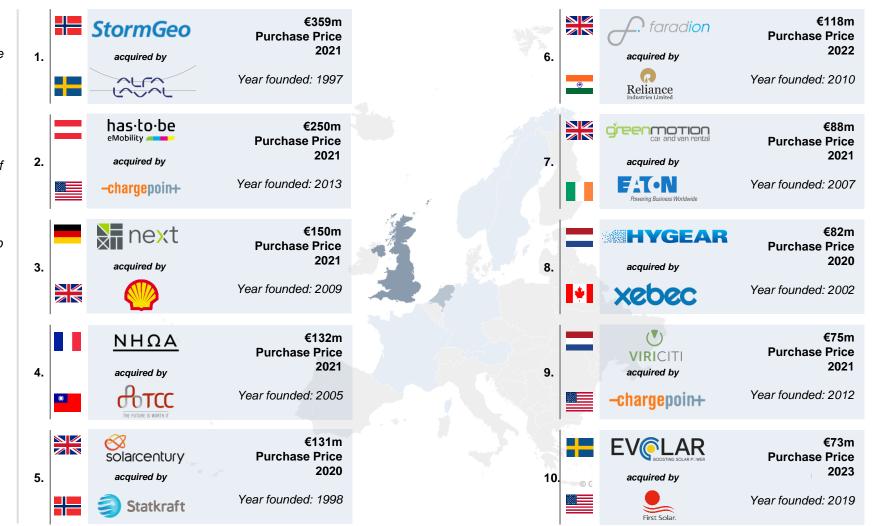




F Top 10 Venture-Backed CleanTech M&A Exits ('19 – '23) by Purchase Price

Alfa Laval's acquisition of StormGeo leads the league table of Top 10 CleanTech M&A Exits over the last five years with a transaction volume of \in 359m, followed by the acquisition of has.to.be by CharePoint

Only 40% of acquirers in the Top 10 are Europebased, while the remainders is headquartered in North America (4 deals) or Asia (2 deals)



CONTACT DETAILS & DISCLAIMER



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