



Capacity increase in Spain leading into further growth

Conference Call Q2/6M 2021 Interim Report, August 13th, 2021, Encavis AG

*) Photo: Solarcentury



Improving efficiency and cost reduction through Economies of Scale and Scope

ENCAVIS

ENERGY

Energy forms the basis of our collective activity and work

CAPITAL

We invest capital to acquire wind farms and solar parks to generate attractive returns

VISION

We are working towards a future with decentralised power generation from wind power and solar energy



Encavis Technical Services / Stern Energy

Encavis AG



Agenda

1.	Encavis at a glance with results above previous year	04
2.	Strategic Development Partnerships	16
3.	Strategic outlook: >> Fast Forward 2025	20
4.	The future of energy is now: Sustainability at Encavis 2020	28
5.	USP of Encavis business model	35
6.	Bright future for Renewable Energies	51
7.	New era: PPA – The growing market	59
8.	Supportive meteorological effects	70
9.	NO impact of CoVid-19 on the business model	74
Ap	pendix:	
I.	Storage technologies	78
II.	The Management	83
Ш.	The Encavis Share	86





Encavis at a glance

Revenue above previous half-year due to positive growth effect of major Spanish PV parks "La Cabrera" & "Talayuela" despite significant weather deficiencies in Q1/2021

Highlights in 2021: The Encavis Share (I)

- <u>ENCAVIS</u> started into 2021 with its new Stock Exchange Initial / Ticker Symbol "ECV"
- Increase of S&P Clean Energy Index from 30 to 90 shares resulted in a replacement of around ~300 mill. USD resp. ~250 mill. EUR in Encavis shares since February 2021
- Hauck & Aufhäuser Investment Banking updated their initiated active coverage of Encavis AG on March 1st, 2021 from "HOLD" to "BUY" recommendation with a target price of EUR 23.00
- Encavis AG being promoted via Fast Entry from SDAX to MDAX on March 22nd, 2021
- Institutional investors like Morgan Stanley, Goldman Sachs and UBS build-up shareholdings in the total amount of ~13% besides BlackRock, Invesco and DWS of ~12.5% in total
- Barclays initiated active coverage of Encavis AG as part of a sector study regarding European utilities on May 12th, 2021 with an "OVERWEIGHT" recommendation and a target price of EUR 18.00
- Warburg Research updated their coverage on May 17th, 2021 from "HOLD" to "BUY" recommendation with a target price of EUR 18.80 and renewed their "BUY" recommendation on July 8th, and on July 27th, 2021 with a target price of EUR 18.90
- RBI Raiffeisen Bank International initiated full research coverage of Encavis on June 17th, 2021 with a "BUY" recommendation and a target price of EUR 20.00
- Pareto Securities initiated active research coverage of Encavis on July 2nd, 2021 with a "BUY" recommendation and a target price of EUR 19.00



Highlights in 2021: The Encavis Share (II)

- Large part of Encavis' shareholders (42.9%) preferred new Encavis shares to cash dividend. A total of 814,031 new shares was therefore issued and a cash dividend of around 26.9 million euros had been distributed to shareholders.
- Conversion of EUR 800,000 nominal of the Hybrid Convertible Bond of EUR 150.3 Million nominal resulted in an issue of 112,936 new shares: Actual number of shares outstanding: 139,364,201 (Outstanding amount of EUR 149.5 million nominal of the Hybrid Convertible (ISIN: DE000A19NPE8) as of August 5th, 2021)





Highlights in 2021: Acquisitions in own portfolio and asset management

- Spanish solar park Talayuela (300 MWp capacity) connected to the grid on schedule and injected first kilowatt hours (kwh) into the grid on Jan 4th, 2021 – Ramp-Up phase until mid of March 2021
- Encavis AG grew its wind segment in Northern Europe in acquiring the wind farm Paltusmäki (FIN), already connected to the grid, with a generation capacity of 21.5 megawatts (MW)
- Encavis supports Sopowerful in a long-term cooperation in non-profit solar projects to significantly improve living conditions for people in the rural communities of Malawi and at the same time also provides new jobs and long-term perspectives.



- Encavis Infrastructure Fund III (EIF III) of EAM received another 150 mill. euros in equity and acquired the largest solar plant, "Vlagtwedde" (110 MWp), currently in operation in The Netherlands and lifts the total output of the portfolio managed by EAM to 1.0 gigawatts (GW)
- EAM acquired wind farm Warnsdorf in the district of Prignitz/Brandenburg. The 12 turbines with a total capacity of 43.2 MW are part of the Encavis Infrastructure Fund II (EIF II) and were connected to the grid in spring 2021 and lifts the total output of the portfolio managed by EAM to above 1.0 gigawatts (GW)
- Encavis Infrastructure Fund II (EIF II) of EAM and energy and environmental services provider badenova acquire and operate five photovoltaic plants in Brandenburg and Mecklenburg-Western Pomerania. The solar plants, with a total generation capacity of 45.5 megawatts (MW) have been connected to the power grid until mid of June 2021

Highlights in 2021: Finance and Ratings

- ISS ESG improved its rating from "B-" to "B" and ranked ECV among the top 20% in the industry cluster "Renewable Energy Operations"
- MSCI ESG also improved its rating from "A" to "AA" and MSCI particularly refers to the very good corporate governance, the transparent ownership structure and the 100% focus on capacity growth through the production of electricity from wind and solar power
- Encavis published its very first Sustainability Report 2020 on March 24th, 2021
- Encavis' data protection and information security management system certified for the group-wide data protection management system in accordance with VdS 10010 and for the group-wide information security management system in accordance with VdS 10000 to strengthen defense systems and independent back-up solutions at all IT levels





01 Encavis at a glance



Significant earnings growth of 20% stand alone in Q2/2021 fully reflecting the growth from latest acquisitions of PV parks in Spain

			[
Operating figures (in EUR million)	Q2/2019	Q2/2020	Q2/2021	Change Q2 2021/2020	Change Q2 2021/2020 (%)
Energy production (GWh)	503	563	875	+ 312	+ 55 %
(w/o new acquisitions)	503	515	483	- 32	6 %
Revenue	84.5	89.6	103.3	+ 13.7	+ 15 %
Operating EBITDA	76.1	69.0	83.0	+ 14.0	+ 20 %
Operating EBIT	54.8	46.4	55.7	+ 9.3	+ 20 %
Operating EPS (in EUR)	0.25	0.19	0.23	+ 0.04	+ 21 %
Operating Cash Flow	60.5	64.4	69.5	+ 5.1	+ 8 %

 PV parks La Cabrera and Talayuela, connected to the grid in September 2020 and January 2021, fully reflecting their growth in revenue and earnings figures despite lower solar irradiation compared to the long-term average in Q2



Growth in energy production of major Spanish PV parks mostly compensated weather deficiencies in Q1 & Q2/2021 in revenue and EBITDA – but could not compensate for higher costs and depreciations of these latest acquisitions

Operating figures (in EUR million)	6M/2019	6M/2020	6M/2021	Change 6M 2021/2020	Change 6M 2021/2020 (%)
Energy production (GWh)	939	1,120	1,411	+ 291	+ 26 %
(w/o new acquisitions)	939	987	855	132	13 %
Revenue	143.9	154.8	162.2	+ 7.4	+ 5 %
Operating EBITDA	120.8	119.6	122.3	+ 2.7	+ 2 %
Operating EBIT	78.2	74.5	68.7	5.8	8 %
Operating EPS (in EUR)	0.30	0.27	0.18	0.09	33 %
Operating Cash Flow	76.4	115.2	109.4	5.8	5 %

- Very positive meteorological effects in Q2/2019 and even more in Q2/2020 compared to less favourable meteorological conditions also in Q2/2021 after significant weather deficiencies in Q1/2021
- Positive cash effect of reimbursement of capital gain taxes (EUR +9.0 million) in Q1/2020



ENCAVIS Analysts' Consensus on the five corporate KPIs for Q2/HY 2021e and FY 2021e as of August 09, 2021

Analysts' Consensus			Analysts' Consensus				Analysts' Consensus				
as of Aug 09, 2021 Operating KPIs (in EUR `000)	Q2 2020	Reported Q2 2021	Average Q2 2021e	6M/HY 2020	Reported 6M/HY 2021e	Average 6M/HY 2021e	Guidano FY 2021e	e	Average FY 2021e	Extrema Top	Extrema Bottom
Revenue	89,564	103,250	97,155	154,775	162,182	156,079	> 320,00	00	324,732	330,700	321,636
Oper. EBITDA	69,006	82,994	77,341	119,615	122,309	116,648	> 240,00	00	244,620	250,484	238,600
Oper. EBIT	46,473	55,780	50,698	74,535	68,742	63,771	> 138,00	00	141,589	145,900	137,610
Oper. Cash Flow	64,342	69,459	68,355	115,183	109,388	111,024	> 210,00	00	226,924	242,301	215,213
Oper. EPS (EUR)	0.19	0.23	0.20	0.27	0.18	0.18	0.46		0.46	0.52	0.44

Average Analysts' Consensus for FY 2021e in line with ENCAVIS' Guidance.

01 Encavis at a glance

ENCAVIS

Slightly lower EBIT margins due to lower wind and solar irradiation in first half 2021 whereas cost situation is as planned and under control

	Solar parks		Wind farms		Technical Services		Asset Management		HQ/Consolidation	
Operating P&L (in EUR million)										
	6M/2020	6M/2021	6M/2020	6M/2021	6M/2020	6M/2021	6M/2020	6M/2021	6M/2020	6M/2021
Revenue	105.9	118.5	43.6	35.9	2.5	2.2	5.0	6.8	-	0.9
Oper. EBITDA	87.1	96.1	33.0	27.9	2.7	0.6	1.8	1.9	- 5.0	- 4.2
EBITDA margin	82%	81%	76%	78%	111%	28%	36%	28%	-	-
Oper. EBIT	55.7	57.3	20.0	13.8	2.7	0.6	1.5	1.7	- 5.4	- 4.7
EBIT margin	53%	48%	46%	39%	111%	28%	30%	24%	-	-

Operating expenses distributed among Business Segments

01 Encavis at a glance

Continuously growing operating business backed by solid equity ratios



ENCAVIS



Moderate growth combined with high margins are expected for FY 2021e

Operating figures (in EUR million)	FY 2019	FY 2020	Guidance FY 2021e	Change Guidance FY 2021e / FY 2020	NO weathe
Revenue	273.8	292.3	> 320	+ 9.5 %	in future re
Operating EBITDA	217.6	224.8	> 240	+ 6.8 %	market rela
Operating EBIT	132.2	132.2	> 138	+ 4.4 %	besides lor
Operating Cash Flow	189.3	212.9	> 210	+/- 0 %	PPA energy
Operating EPS in EUR	0.43	0.43	0.46	+ 7.0 %	

NO weather adjustments (wa) in future reporting and guidance due to an increasing portion of market related revenue streams besides long-term fixed FiT and PPA energy supply contracts.

Large Spanish projects "Talayuela" and "La Cabrera" distribute significant FY revenue and operating cash flow to the Group in 2021



Guidance FY 2021e by Business Segments

	Solar Parks		Technical Services		Wind Parks		Asset Management		HQ/Consolidation	
Operating P & L (in EUR million)										
(FY 2020	Guidance 2021e	FY 2020	Guidance 2021e	FY 2020	Guidance 2021e	FY 2020	Guidance 2021e	FY 2020	Guidance 2021e
Revenue	198.5	> 220	4.6	> 4	77.5	> 80	16.5	> 17	-	-
Operating EBITDA	161.0	> 176	4.2	> 1	62.3	> 65.5	6.7	> 7	- 9.4	< - 9.5
Operating EBIT	95.9	> 100	4.2	> 1	36.0	> 41	6.1	> 6.5	- 10.1	< - 10.5

Guidance based on the already secured wind farm and solar park portfolio



Strategic Development Partnerships





Strategic Development Partnerships secure future growth with a pipeline volume of > 3.0 GW over the following years





Strategic Development Partnerships – Status Quo and Outlook



- Encavis has Strategic Development Partners across Europe, further ones are being onboarded
- The Development Partners develop the projects for Encavis at a pre-agreed return
- Projects failing to reach RTB within a defined time frame are replaced by the Development Partners

PPA origination, financing, and construction timing according to Encavis' requirements



Currently 12 Strategic Development Partnerships / SDPs focus on 10 Western European Countries currently





Strategic outlook

>>Fast Forward 2025



Earnings increase with almost constant margins





Encavis Growth Programme: >>Fast Forward 2025



Growth Initiative

- Investment in RTB and securing early-stage projects primarily focused on PPA markets
- Ongoing opportunistic acquisitions in FiT markets
- European focus for the time being
- Disposal of minority participations in projects (mainly wind farms) to diversify local wind risk and to recycle cash





Encavis Growth Strategy: >>Fast Forward 2025





Selected measures to fulfill: >> Fast Forward 2025







Growth strategy based on 2019 fundamentals only





Together we strive to improve each and every day



The future of energy is now

Sustainability at Encavis 2020



"May the sun be with you"



Our values and corporate culture are actively shaped by our employees

	Seizing opportunities	Appreciating trust			
Sharing enthusiasm	"We actively seize opportunities and work	"We trust each other and can rely on each other."	Working as a team "We stick together, support each other		
"We enjoy working towards our shared	diligently to achieve our goals."	Assuming responsibility	and care for each other."		
success."	Shaping the future "We actively shape the future and act responsibly."	"We assume responsibility for our own actions."	Filling customer orientation with life "We fill customer orientation with life and value our		

Good sustainability work is measured by its goals: Encavis has identified a total of 12 SDGs on which it wants to focus





Good sustainability work is measured by its goals: Encavis aims for concrete change in every field of action (selection)

Strategy & Governance	Economy
Material topic: Sustainably integrated corporate strategy	Material Topic: Electricity marketing (PPA business)
Goal: Encavis will improve its MSCI ESG rating from "AA" to "AAA" by 2025	Goal: Significant increase in non-subsidised electricity production by the end of 2025
1 mm 3 mmm 1 mm →√→ 9 mmm 1 mmm ▲ ▲	Image: Sector of the sector
Social	Environment
Material topic: Social acceptance and positive contribution of the Encavis Group	Material topic: Help in the fight against climate change through carbon reduction
Goal: Conclusion of a long-term partnership with a non-profit organisation in 2021	Goal: Increase share of green electricity purchases to 100% by the end of 2022

Our four key sustainability topics







Unique Selling Proposition

USP of Encavis business model

Focus on the risk

management of investments

The four pillars of our business





Technical operation and maintenance of PV parks by our technical service unit (Encavis Technical Services / Stern Energy)


Conservative acquisition strategy for markets with FiT (Feed-in-Tariffs) will be pursued as in the past

- We acquire ready-to-build, turnkey-projects or existing parks with Feed-in-Tariffs and operate them over their technical and commercial life time
- > 10 years of experience in these markets still allow for numerous acquisition opportunities in established markets with satisfying IRRs
- Falling interest rates create an increasing competition for FiT projects
- However, Encavis reiterates its commitment to stated IRR expectations



Conservative acquisition strategy for markets with PPA projects with increasing importance

- We acquire ready-to-build, turnkey-projects or existing parks and negotiate Power Purchase Agreements with companies with very good ratings and operate them over their technical and commercial life time
- Our experience from PPA negotiations in Spain (500 MW PV) and the UK (40 MW PV) enables Encavis to move to emerging PPA markets like Italy and – in time to come – Germany and France
- IRR minimum requirement depends more on risk distribution and rating of the off-taker, and to a lesser extent on regulatory risk







Business model: risk structure of an investment over time (wind/solar)



1) Ready to build

Recent acquisition of minorities lead to ownership in solar parks of > 95 per cent on average

190 solar parks and 95 wind parks in 10 European countries: total capacity > 2.8 GW

Wind parks	Own Assets (net/gross) Asset Managemen		
Germany	181/229 MW	0 / 447 MW	
France	36 / 36 MW	0/126 MW	
Austria	19/36 MW	0 / 17 MW	
Finland	21/21 MW	0 / 49 MW	
United Kingdom	-	0 / 18 MW	
Sweden	-	0 / 10 MW	
Italy	5 / 6 MW	-	
Denmark	118 / 120 MW	-	
Total	380 / 448 MW	0 / 667 MW	
Solar parks	Own Assets (net/gross)	Asset Management	
Solar parks Germany	Own Assets (net/gross) 258 / 262 MW	Asset Management 0 / 103 MW	
Solar parks Germany Italy	Own Assets (net/gross) 258 / 262 MW 154 / 154 MW	Asset Management 0 / 103 MW 0 / 7 MW	
Solar parks Germany Italy France	Own Assets (net/gross) 258 / 262 MW 154 / 154 MW 194 / 194 MW	Asset Management 0 / 103 MW 0 / 7 MW 0 / 70 MW	
Solar parks Germany Italy France United Kingdom	Own Assets (net/gross) 258 / 262 MW 154 / 154 MW 194 / 194 MW 127 / 127 MW	Asset Management 0 / 103 MW 0 / 7 MW 0 / 70 MW	
Solar parks Germany Italy France United Kingdom The Netherlands	Own Assets (net/gross) 258 / 262 MW 154 / 154 MW 194 / 194 MW 127 / 127 MW 104 / 106 MW	Asset Management 0 / 103 MW 0 / 7 MW 0 / 70 MW - 0 / 197 MW	
Solar parks Germany Italy France United Kingdom The Netherlands Spain	Own Assets (net/gross) 258 / 262 MW 154 / 154 MW 194 / 194 MW 127 / 127 MW 104 / 106 MW 440 / 500 MW	Asset Management 0 / 103 MW 0 / 7 MW 0 / 70 MW - 0 / 197 MW	
Solar parks Germany Italy France United Kingdom The Netherlands Spain Total	Own Assets (net/gross) 258 / 262 MW 154 / 154 MW 194 / 194 MW 127 / 127 MW 104 / 106 MW 440 / 500 MW 1,278 / 1,343 MW	Asset Management 0 / 103 MW 0 / 7 MW 0 / 70 MW - 0 / 197 MW - 0 / 377 MW	







Encavis Portfolio: PV accounts for > 75% of the Encavis Portfolio



Most of the Renewable Energy Portfolio of Encavis is based on a FIT: ~ 13 years remaining FIT maturity



Segment Technical Services / Stern Energy – Operational and Technical Management of our parks







Encavis focused on growth to skim Economies of Scale

Portfolio is actively managed by international and experienced team (examples)

Measures implemented	Status
Negotiations with local authorities by Encavis workforce comprising native speakers from all countries Encavis is active 🗸	Ongoing
Releasing reserve accounts due to high performance of parks and trust in Encavis and replacement by bank facilities 🗸	Q4 2018- Q2 2020
Reducing financing costs via inhouse structured refinancing of existing loans placed in the financing market after competitive tender process	Q3 2019– Ongoing
Generating additional cash due to re-leverage of projects via such refinancing transactions	Q1 2021- Ongoing
Optimisation of insurance by auctioning all insurance contracts of Encavis parks in a European-wide process. Leading to an improved coverage and terms, reduction of premiums and risk diversification within the portfolio.	2018 and 2020 again
Optimisation of low level operation contracts by clustering parks and auctioning service with local suppliers	2018
Digitalisation of the business – improving technical availability by remote control of the parks, implementing a digital backbone for data flow from the parks via accounting into IFRS statement	Ongoing



Encavis is focused on growth to skim Economies of Scope



05 USP of Encavis business model



The "golden end" of Encavis' power plants Illustration of the different cash flows of a solar park (PV)

As the loan is paid-off during the price-fixing-period, parks are very profitable in the "golden end"



"golden end"-PV parks are still with high efficiencies and lowest marginal costs

"NREL now finds, 25 years later, that the long-term degradation of the studied modules was 0.5% a year, with an efficiency, today, of around 88% of the original panel performance.*)"



*) First Solar's PV module tech completes 25 years of testing at NREL – National Renewable Energy Laboratory (U.S.A.) from pv magazine USA / December 14, 2020 / Eric Wesoff



Lifetime assumptions of PV parks differ nowadays substantially from IFRS accounting standards

Historical accounting rules

According to all GAAP/IFRS

it is mandatory to indicate a useful life for an asset that is capitalised. Due to the lack of historical data (utility-scale plants have been built from 2005 onwards)

accountants and investors have focused on the duration of the subsidy schemes (usually 20 years) and/or of the land leases (usually 25 to 30 years) to estimate the useful life.

Todays business reality

As the technology has proven to be mature, investors are increasingly extending their valuation period (up to 50 years) and land lease agreements are currently being renegotiated or extended to allow a longer operation of the plants.

30 years can be taken for granted:

Performance warranties of 30 years for new modules is currently a "de facto" industry standard as confirmed by the extracts from official data sheets on the following pages

<u>30 years ++ can be assumed due to following reasons: *)</u>

Consistently dropping technology costs will allow operators to either . . .

+ Ongoing optimisations of the portfolio at very low replacement costs or

+ Increase the power of the plants once the subsidy schemes are faded out

There is also <u>an increasing portion of already acquired land</u> as well as <u>strategic ambitions</u> <u>to acquire the land on which solar plants are operating</u> or are being developed.

Encavis' land leases/acquisitions allow long useful life / Extension . . .

... to 30 years in 45% of Portfolio (PF) in NL

... to 30 years or longer in <a>> 60% of PF in FRA / in 50% of PF in IT / in 30% of PF in UK

... up to 2050 plus unlimited number of extensions of 5-year-periods in ES / an evergreen contract

PV module warranties of 30 years are current standard (I)



PV module warranties of 30 years are current standard (II)



State-of-the-art infrastructure and technology result in stability, reliability and very low risk business model: Sustainable valuation of all assets

Minimal developing risks result in investment grade rating BBB-/stable outlook Long-term (10Y) dividend policy reflects increasing cash flows from operations Revenue and earnings increase (6Y/CAGR >25%) with constant margins NO impact of CoVid-19 on the operating business Secured liquidity for the whole cash planning-period NO interest rate risk (100% fit of financing to FiT/PPA) Almost NO FX risk (GBP hedged until end of 2023) Almost NO energy price risk (<5% of rev. 2021e) Secured revenue based on FiT and PPA Remote controlled operations State-of-the-art IT infrastructure



NO risk at business as usual

Bright future for Renewable Energies



Demand for power from renewables from two strong players: public & private sector



Public Sector: Goal to limit global warming

- COP 21 Paris: 196 countries united to limit global warming below 2°C
- Europe 20-20-20 targets
- China: largest installed renewables fleets
- Denuclearization in Germany and Japan
- Creation of low-carb economies

Demand via FIT-schemes and competitive auctions



Private sector: Sustainability goals and long-term supply security

- Private companies create global initiatives in order to take action on climate change.
- Multinational companies such as Google, Facebook and Microsoft go ahead with ambitious targets
- 100% renewable targets help to create a positive brand awareness
- Furthermore, direct Power Purchase Agreements between companies and power producers from renewable energy resources offer long-term supply at fixed rates

Demand via PPAs and purchase of green certificates

Development of Renewable Energy proportion in power generation (2006 – 2019)



Worldwide growth in generating capacity of renewables by technology





5.090

Entering the Century of Renewable Power Generation



2040

The world is changing: Significant decline in coal-driven electricity production and increasing share of photovoltaic electricity generation

Coal-driven electricity generation vs. Utility-Scale PV





National shutdown plans of nuclear and coal driven generating capacities in Europe until 2040



National shutdown plans for nuclear and coal driven generating capacities

Country	Coal driven Power Plants		Nuclear Power Plants	
Germany	Until 2038	47.0 GW	Until 2022	8.1 GW
Poland		29.5 GW		0.0 GW
Czech Republic	Until 2040*)	8.4 GW		3.9 GW
Austria	Today already	0.0 GW	Today already	0.0 GW
Italy	Until 2025	8.5 GW		0.0 GW
Spain	Until 2030	5.1 GW	Until 2035	7.1 GW
France	Until 2022	3.1 GW		63.1 GW
United Kingdom	Until 2024	6.3 GW		8.9 GW
Belgium	Today already	0.0 GW	Until 2025	5.9 GW
The Netherlands	Until 2029	4.5 GW		0.5 GW
Denmark	Until 2030	2.2 GW		0.0 GW
Sweden	Today already	0.0 GW	Until 2040	7.6 GW
Finland	Until 2029	1.8 GW		2.8 GW
Total		116.6 GW		107.9 GW





New era: PPA

Encavis as a European first mover



Strong growing PPA markets – Encavis is a European first mover in solar

Pillars of the Encavis Growth Strategy >> Fast Forward 2025

Encavis has secured preferred access to knowhow for PPA by establishing a dedicated in-house competence team and by investing in market leading competence platform Pexapark (CH) Leveraging knowledge and network as experienced investor based on recently signed PPAs with a leading European Utility and Amazon for in total of 500 MW of Spanish solar

parks

Strong Balance Sheet with equity ratio > 24% giving corporates adequate comfort to handle risks from long-term PPA contracts Access to early stage projects without taking direct development risk by signing numerous partnership agreements with exclusive rights in Italy, France, Spain, The Netherlands, Denmark and Germany



Strong growing PPA markets – Encavis is a European first mover in solar



Steadily growing volume of globally signed corporate PPAs





The need for green energy supply is driving PPA markets



Top global corporate offtakers 2020

Market developments

- North American market with pioneering role
- US companies search partners for PPAs in Europe
- ENCAVIS registers increasing demand for PPAs also in Europe (Nordics, Spain, Italy, Ireland, Germany)
- Major PPA deal in Europe in March 2021: Adger Energi signed 15-year PPA for 900 MW wind power portfolio across Sweden and Finland
- PPAs are contracted for time periods from 6 – 20 years

Solar utility scale with comparably low Levelised Costs Of Energy (LCOE) Production

Levelized Cost of Energy (LCOE): Comparison by technology



The cost of energy production from conventional sources is set to increase, as prices for CO_2 emissions in the EU rise with the application of taxes and certificates (2nd phase of the EU CO_2 certificate trading scheme and additional national legislations)

> Securing the cost advantage for renewable energy in the long term.

Source: CM-CIC Research on "Renewable Energies" covering Albioma, Encavis and Voltalia, June 5th, 2020

07 New era: PPA



LCOE/Levelised Costs Of Energy Production continue to fall for PV/solar and wind power technologies



Today, plant construction costs (including components and materials) in utility scale (10 MW and above) in Europe vary between EUR 0.4m/ MWp and EUR 0.475 m/MWp, including 30 years warranty on key components such as modules. Common expectations are further decreases in the near, mid and long term.

Current O&M prices are at around 3.5 to 7 EUR/KW p.a. according to the age and size of the plant. The termination of old contracts and renegotiation of the terms will lead to a substantial reduction in the average O&M expenditures.

We expect additional reduction in O&M costs due to consolidation in the O&M market and increase of professionalisation in the market.

 Encavis' strategic move: Participation in Stern Energy (0&M company with 1+GW under management) and standardisation of all 0&M activities.

Source: IRENA, International Renewable Energy Agency, Renewable Power Generation Costs in 2019

07 New era: PPA



Strong decline in LCOE/Levelised Costs Of Energy Production for PV/solar is mainly driven by PV module prices

Price development for PV modules (USD real 2,000/Wp)



Electricity price fluctuations due to the Merit Order Effect





In the very conservative assumption of an energy only market, thus a market in which only the produced power is compensated, without any compensation for the mere readiness for power production (capacity market), the power price would be determined by the "merit order" – the sequence in which power stations contribute power to the market, with the cheapest offer made by the power station with the smallest operating costs setting the starting point – and not by the LCOE.

While it is true that renewables lower the entrance price due to their low operating costs and push more expensive conventional producers down the merit order (see chart to the left), it is also true that the price for the energy is set by the plant with the highest operating cost that is still necessary to be activated in order to meet the demand.

Source: https://www.cleanenergywire.org/factsheets/setting-power-price-merit-order-effect

07 New era: PPA



Encavis manages uncertainties in power demand, power supply and corresponding pricing risks

Sophisticated Energy risk management as key value leaver short to mid term:

- Traded products in liquid markets (1-5 years ahead)
- PPAs for non-liquid markets (5 years ++)
- Matching inherent energy risks by portfolio optimisation

European goal for CO_2 free power production will either lead to . . .

- a CO₂ price regime as part of power prices in order to stimulate investments in Renewable Energy
- the introduction of capacity markets for Renewable Energy (REE) in order to allow for new build
- a self-regulated energy only market where power prices incentivise enough new build capacities in REE

Long-term price curves^{*)} observation as well as introduction of proprietary energy pricing model

- Captured prices for wind and solar (accounting for the expected cannibalisation effect)
- Introduction of storage as appropriate

*) from various reknowed 3rd party providers

07 New era: PPA

Positive development of PPA power prices are seen by all leading energy price forecasters



All major forecasters of energy prices do see positive development of energy prices in the future.

ENCAVIS⁶⁹

- Main drivers for energy prices are: CO₂ certificate prices, capacity additions of renewables acompanied with cut down of capacities of conventional power plants.
- Even the most conservative forecaster (#3) sees energy market prices which are fairly above current (and, obviously, future) LCOEs enabeling additional investments into renewables.

Supportive meteorological effects



Diversification by technology (wind/PV) with complementary income streams over the year

Exemplary Seasonal Power Output of one Wind Park



Exemplary Seasonal Power Output of one Solar Park



Increase in length of sunshine from 1951 to 2019 by 11.2 hours per month




Average temperature in Germany increases significantly

Positive and negative deviations in air temperature from long-term average (8.2 °C) from 1961 to 1990



Source: Deutscher Wetterdienst (DWD), 2021 Exemplarily showing the case of Germany

CoVid-19: NO impact

NO impact of CoVid-19 on the business model



NO impact of CoVid-19 on the operating business of generating energy from Renewable Resources

Encavis is well prepared for turbulent markets				
Remote controlled operation of ground mounted PV and onshore wind parks NO risk at business as usual / The sun is shining – The wind is blowing	Secured revenue based on Feed-in-Tariffs for remaining 13 years (on average) and Power Purchase Agreements (PPAs) for 10 years	Secured liquidity for the whole cash planning (covering the next 18 months) and IT-based payment system TIS in use	Macro hedges in all parks limit currency exposure down to dividend payments. Currency exposure is limited to Danish Crown (DKK) and British Pound (GBP). While DKK is very stable, the volatile GBP is hedged already until end of 2023 → NO currency risk	Technical maintenance of PV parks by our technical service unit (ETS / Stern Energy) was affected to a minor extend of a few weeks delayed services

Sustainable valuation of all assets and NO doubt on the Growth Strategy >>Fast Forward 2025

200 MW PV park "La Cabrera" connected to the grid

- The High Voltage section (substation and transmission line) is grid connected and energised since August 2020.
- The power plant is fully built and achieved to start partial operations on September 3rd, while all sections are in operations since October 1st, 2020.
- Predominant energy production for AWS amazon web service in Spain (in line with the agreed PPA).
- The agreed extra costs due to CoVid-19 are equal to TEUR 240.



300 MW PV park "Talayuela" connected to the grid

- The High Voltage section (substation and transmission line) is grid connected and energised since December 2020.
- The power plant is fully built and started to inject the first kilowatt hours (kwh) into the Spanish grid on January 4th, 2021.
- The agreed extra costs due to CoVid-19 are equal to TEUR 250.



Appendix

I. Storage technologies

- II. The Management
- III. The Encavis share



Increasing share of renewables in power sector creates new challenges



- Supply based on coal, nuclear and gas
- Large, centralised power plants
- National markets are not interconnected

Conceptual supply mix in the future



- Supply based on Renewables and flexible gas power plants
- Electricity storage with increasing importance
- Decentralised power generation with prosumers



New Business Cases for Electricity Storage and Hydrogen

	Application					0	
	Price-arbitrage for electricity trading	>	Separates sale of electricity from its generation			Green	H ₂
<i>pacity</i>	Congestion management	>	Optimises utilisation of existing electricity infrastructure	Green Hais an indispensable Greet	Mobility Green H ₂ functions as an		
equired Cap	Peak Shaving	>	Reduces costly peak-loads of large consumers	input fo industr e.g. ste	or decarbonising c rial processes, eel making		easy-to-use fuel for transport industries, esp. aviation and cargo
Ϋ́Υ.	Voltage stability (SDL*)	>	Stabilises network operations	Green H ₂ enables decarbonisation of the heating sector and adds flexibility to variable RES generation		arbonisation and adds RES generation	
	Supply of control energy (SDL*)	>	Participates in the control energy market (RES power plants not qualified yet)	but	the hydrogen ir the with electi	ndustry is s t r ification for	t ill in its early stage and r many use cases
* System	services						

Electricity storage market is already growing strongly – rapidly falling costs help



- Strong increase in annual commissions over the last years
- Growth distributed globally with Korea and China leading
- Lithium-ion technology currently state-of-the art
 Source: BNEF



- Forecasted decrease in costs mainly caused by economies of scale and improved use of input materials
- Decreasing costs drive capacity additions in a virtuous cycle



Battery Storage: Possible market entrance for Encavis



Business model with minimised risks...

- Encavis is owner and operator of utility-scale batteries
- Encavis transfers usage of batteries via long-term contracts

Projects are bankable

Partner is responsible for the marketing of the batteryservices

... and great opportunities

- Diversification of Portfolio
- Complementary to RES power generation

Early bird advantages

 Increase revenues of parks after end of FIT ("golden end")

Appendix

- I. Storage technologies
- II. The Management
- III. The Encavis share



II. Appendix: The Management



Management team with great industry expertise and strong passion for renewables



Dr Dierk Paskert Chief Executive Officer

CEO since Sep 2017 Reappointed until Aug 2025

CEO Rohstoffallianz GmbH Member of the Management Board of E.ON-Energie AG SVP Corporate Development of E.ON AG Member of the Management Board of Schenker AG



Dr Christoph Husmann Chief Financial Officer

CFO since Oct 2014 Reappointed until Sep 2025

Member (CFO) and later CEO of the Management Board of HOCHTIEF Projekt Entwicklung GmbH Head of Corporate Controlling and M&A of STINNES AG and HOCHTIEF AG Controlling of VEBA AG

Supervisory Board



Dr Manfred Krüper (Chairman)

Member of the Board of Directors at E.ON AG (until Nov 2006)

Supervisory Board (a.o.): Power Plus Communication AG. EQT Partners Beteiligungsberatung GmbH; EEW Energy from Waste GmbH



Alexander Stuhlmann (Dep. Ch.)

CEO at HSH Nordbank (until Dec 2006) and thereafter CEO at WestLB AG (until April 2008)

Supervisory Board (a.o.): Euro-Aviation Versicherungs-AG, Ernst Russ AG, GEV Gesellschaft für Entwicklung und Vermarktung AG, M.M. Warburg & CO Hypothekenbank AG

Dr Cornelius Liedtke (dependent)

Entrepreneur and co-owner of the B&L Group

Supervisory Board (a.o.): BRUSS Sealing Systems GmbH, SUMTEO GmbH

Dr Rolf Martin Schmitz

Previously CEO at RWE AG (until May 2021)

Supervisory Board (a.o.): E.ON SE. TÜV Rheinland AG. KELAG-Kärntner Elektrizitäts-AG



Albert Büll (dependent)

Entrepreneur and co-owner of the B&L Group

Advisory Council (a.o.): BRUSS Sealing Systems GmbH, noventic GmbH



Dr Henning Kreke (dependent)

Previously CEO at Douglas Holding AG for 15 years

Supervisory Board (a.o.): Deutsche EuroShop AG; Douglas GmbH, Thalia Bücher GmbH



Christine Scheel

Member of the Supervisory Board at CHORUS Clean Energy AG (until Oct 2016) Former Member of the German Parliament

Supervisory Board (a.o.): NATURSTROM AG



Dr Marcus Schenck

Partner of Perella Weinberg Partners

Independent Advisory Council (a.o.): EQT Infrastructure





Prof Fritz Vahrenholt

Chairman of the Supervisory Board (until January 2014) at RWE Innogy GmbH (previously CEO)

Supervisory Board (a.o.): Aurubis AG

Appendix

- I. Storage technologies
- II. The Management
- III. The Encavis share

Nominal dividend to increase by 50%

III. Appendix: The Encavis share

Dividend of EUR 0.28 per share for FY 2020 fully in line with dividend target 2021



Dividend in EUR cent/share

III. Appendix: The Encavis share



Entrepreneurial shareholder structure – strong and long-term anchor investors



> 2.2 billion EUR

Major investors within the free float:

- 4.9% Morgan Stanley
- 4.3% The Goldman Sachs Group, Inc.
- 4.1% UBS Group AG
- 4.0% Versicherungskammer Bayern
- 3.7% BlackRock, Inc.
- 3.6% Lobelia Beteiligungsgesellschaft/ Kreke Immobilien KG
- 3.1% Invesco Ltd. (incl. Invesco ETF Trust II)
- 3.1% DWS Investment GmbH, Frankfurt/Main
- 2.3% PELABA Vermögensverwaltungs GmbH & Co. KG
- 1.7% iShares Trust
- 0.9% iShares II plc
- 0.5% Management of Encavis AG





13 "Buy/OW or Hold" recommendations out of 14 active coverages

Coverage institution	Updated Ratings	Date	Target Price (EUR)
COMMERZBANK 스	Reduce	Aug 06, 2021	13.00
CPareto Securities AS Equily Research	Buy	Jul 28, 2021	19.00
WARBURG RESEARCH	Buy	Jul 27, 2021	18.90
Raiffeisen RESEARCH	Buy	Jun 17, 2021	20.00
QUIRIN	Buy	May 18, 2021	18.30
W BARCLAYS	Overweight	May 14, 2021	18.00
ODDO BHF	Neutral	May 14, 2021	18.00
STIFEL	Hold	May 14, 2021	21.80
Jefferies	Hold	May 14, 2021	15.50
BERENBERG	Hold	May 14, 2021	15.50
HALICR & AUFHALISER	Buy	Apr 07, 2021	23.00
DZ BANK	Buy	Mar 24, 2021	20.50
CM=CIC Market Solutions	Neutral	Mar 24, 2021	21.60
HSBC	Buy	Nov 16, 2020	21.00
Consensus			18.86

Encavis share with fast recovery and strong upward trend in 2020



III. Appendix: The Encavis share

ENCAVIS

Encavis AG – one of the largest independent and listed European Renewable IPPs Benchmarking by market capitalisation as of 2021, August 10th (EUR million)



Financial Calendar

Date 2021	Event
Aug 13	Interim report Q2/6M 2021
Aug 16	Jefferies Virtual Road Show (EU)
Aug 24	Jefferies Virtual Road Show (GER)
Aug 25	montega HIT Hamburger Investoren Tage, Hamburg (GER)
Sep 1	Commerzbank ODDO BHF Sector Conference, Frankfurt/Main (GER)
Sep 9	Raiffeisen Bank International ESG Conf.
Sep 12	Interest payment PNL 2018 "Green SSD"
Sep 13	Interest payment Hybrid Convertible
Sep 20	10 th Baader Investment Conference, Munich (GER)
Sep 22-23	Berenberg & Goldman Sachs 10 th German Corporate Conference, Virtual (GER)
Sep 22-23	Alliance Bernstein's 18th Annual Strategic Decisions Conference for CEOs, USA virtual
Oct 5	1 st Virtual Stifel Renewables Conference

Date 2021	Event
Nov 15	Interim statement Q3/9M 2021
Nov 18	Raiffeisen Capital Management Sustainability Symposium, Vienna (AT)
Nov 22-24	German Equity Capital Market Forum, Deutsche Börse, FFM (GER)
Nov 30	Crédit Mutuel-CIC Renewable Conference – by ESN, London (UK)
Nov 30	DZ Bank Equity Conference, FFM (GER)
Dec 6-8	Berenberg European Conference 2021 / Pennyhill Park, Surrey (UK)
Dec 11	Interest payment PNL 2015
Date 2022	Event
Jan 6-7	25 th ODDO BHF Forum, 100% virtual
Jan 10-12	Berenberg German Corporate Conference USA 2022 / Manhattan, New York (USA)
Jan 17	UniCredit Kepler Cheuvreux 21 st German Corporate Conference (GCC)
Sep 7-8	Stifel Cross Sector Insight Conference, London (UK)



Thank you.



IR / PR Contact

Jörg Peters Head of Corporate Communications & IR

T +49 (0)40 / 37 85 62 242 M +49 (0)160 / 429 65 40 E joerg.peters@encavis.com

The information provided in this document has been derived from sources that we believe to be reliable. However, we cannot guarantee the accuracy or completeness of this information and we do not assume any responsibility for it. Encavis AG assumes no liability for any errors or omissions or for any resulting financial losses. Investments in capital markets, in particular in stock markets and futures markets, are fundamentally associated with risks and a complete loss of the invested capital cannot be ruled out. Recommendations provided herein do not represent an offer to buy or sell and are not intended to replace comprehensive and thorough advice before making a decision to buy or sell. Copies of the content of this presentation, in particular prints and copies or publications in electronic media, will only be authorized by written consent from Encavis AG.

Encavis AG | Große Elbstraße 59 | D - 22767 Hamburg | Germany | www.encavis.com