



## Investor Presentation

June 2020





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Q1 2020  
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# Europe's Leading Owner and Operator of Residential Real Estate



Equity Story & Q1 Performance Update

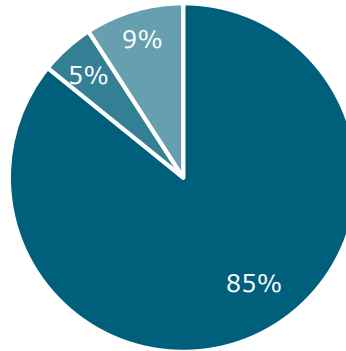
Business Overview

Q1 2020 Results

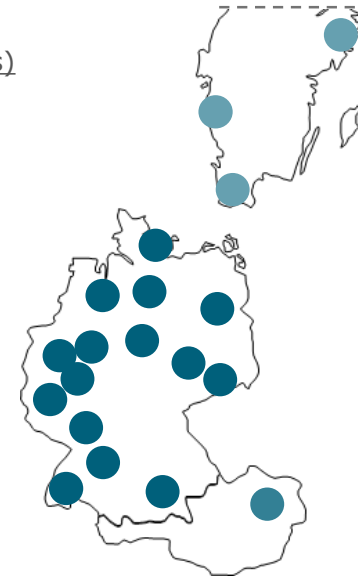
Additional Information

- Long-term owner and full-scale operator of Europe's largest listed multifamily housing portfolio with more than 415k apartments for small and medium incomes
- >€53bn fair market value
- ~€28bn market capitalization


Geographic split (by no. of units)



■ Germany ■ Austria ■ Sweden



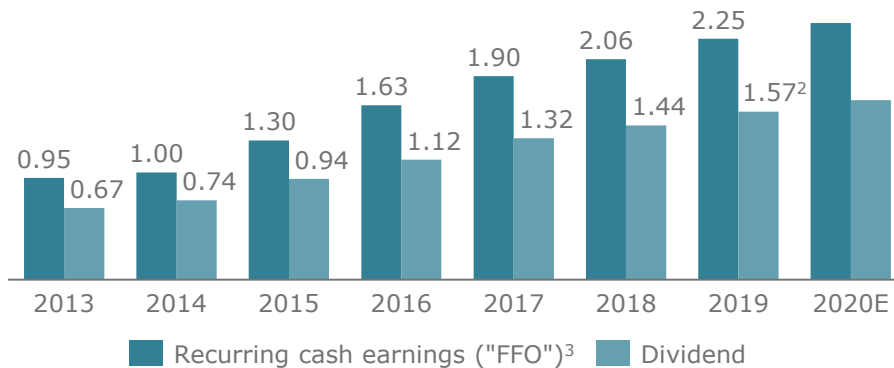
 38k apartments  
Stockholm  
Gothenburg  
Malmö

 355k apartments<sup>1</sup>  
15 urban growth markets

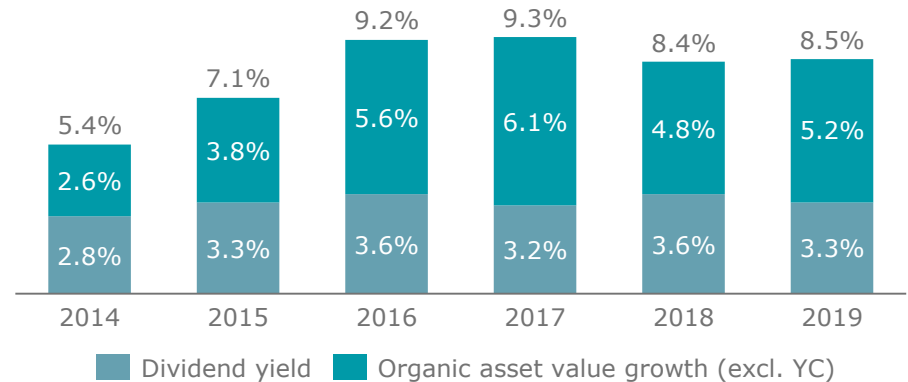
 22k apartments  
Mainly Vienna

## Growing recurring cash earnings per share and DPS

Dividend policy: ~70% of recurring cash earnings are distributed as dividends



## Two types of sustainable shareholder returns<sup>4</sup>



<sup>1</sup> Incl. 27k apartments in other strategic locations plus 5k in non-strategic locations that are not shown on the map. <sup>2</sup> To be proposed to the next AGM on June 30, 2020. <sup>3</sup> 2013-2018 FFO is "FFO1" and 2019+ FFO is "Group FFO." <sup>4</sup> Dividend yield plus I-f-I organic asset value growth from operating performance and investments (excluding yield compression).

# Germany's Tried and Tested Social Security System Ensures That No One Has to Lose A Roof Over Their Head In Case of Financial Distress



**§** **“The Federal Republic of Germany is a democratic and social federal state.”**  
*Article 20(1) of the German Basic Law.*

**!** German’s social market economy is based on the principle of solidarity that underpins Germany’s social security systems. Anyone who cannot participate in the labor market or society because of misfortune, illness, disability, or old age is looked after by the community.

## 4 layers of protection for tenants

- 1. Kurzarbeitergeld:** Short-term labor allowance of 60% to 67% of net salary to keep employees in employment and avoid layoffs despite lack of work.
- 2. ALG I:** Unemployment benefit based on 60% to 67% of net salary.
- 3. ALG II:** Basic benefits to cover cost-of-living expense including “appropriate levels of expenditure for housing.”
- 4. Sozialhilfe:** last safety net to protect people from poverty and exclusion, covering necessary living expenses including food, accommodation and clothing.

Paid out of the national unemployment fund to which employees and employers contribute equally every month

Tax-funded

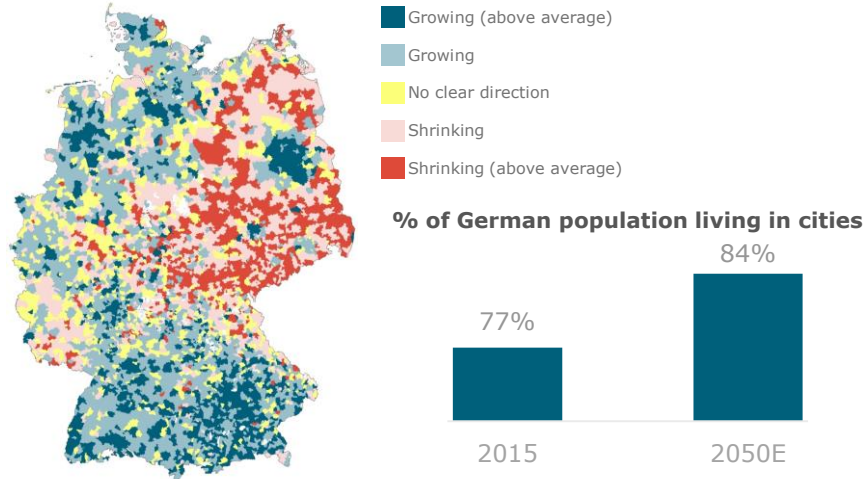
**Housing benefits:**  
 Subsidy towards housing costs for people with low incomes to enable people to live in adequate, family-friendly conditions. Anyone who can demonstrate that he or she is in need is legally entitled.

## Additional layers of protection during COVID-19 pandemic

- ✓ **No financial background check** for a period of 6 months for assistance granted between March 1 and June 30.
- ✓ **Simplified application process:** informal applications can be made by phone, e-mail, online or personal visit to the local government office.
- ✓ **Increased benefits:** Kurzarbeitergeld increased from 60%-67% to up to 80%-87%.

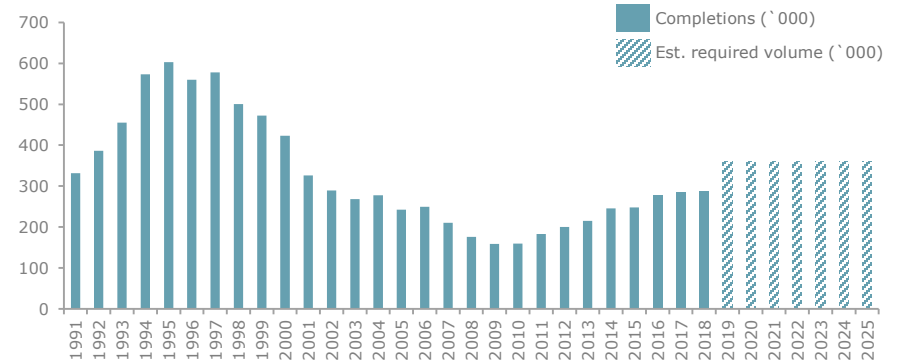
Source: Social Security at a Glance 2019. Federal Ministry of Labour and Social Affairs. <https://www.bmas.de/EN/Services/Publications/a998-social-security-at-a-glance.html>

## Urbanization<sup>1</sup>



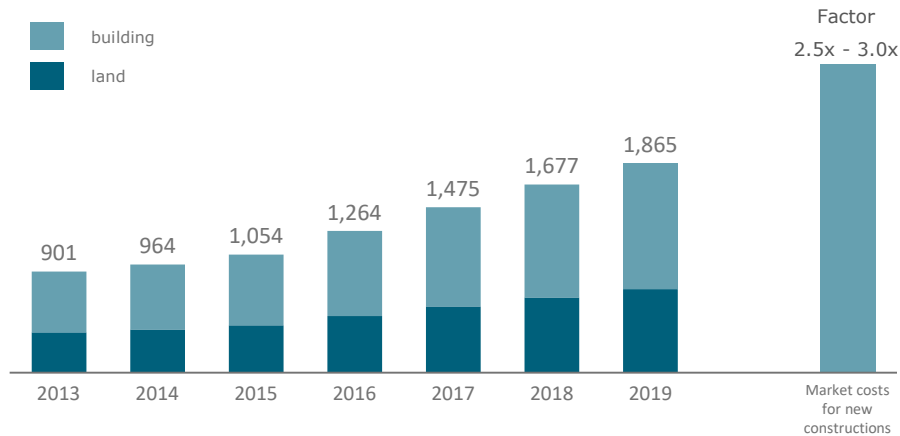
## Structural supply/demand imbalance<sup>2</sup>

Germany's average annual residential completions of the last five years fall short of estimated required volumes



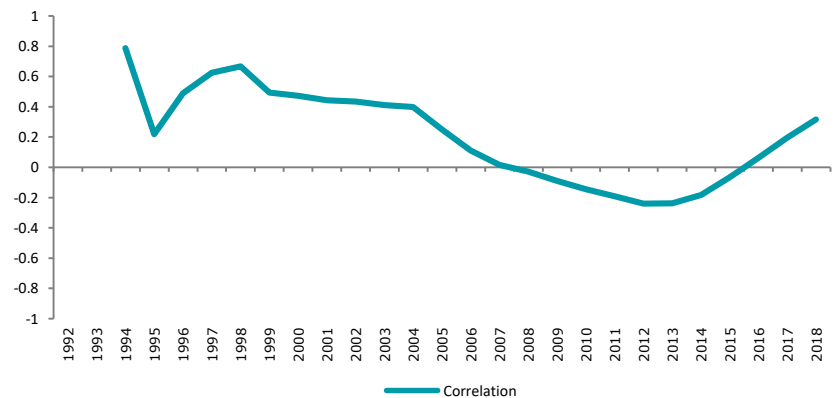
## Large gap between in-place values and replacement costs<sup>3</sup>

**Vonovia (Germany)** – fair value/sqm (€; total lettable area) vs. construction costs



## No correlation pattern between interest rates & asset yields<sup>4</sup>

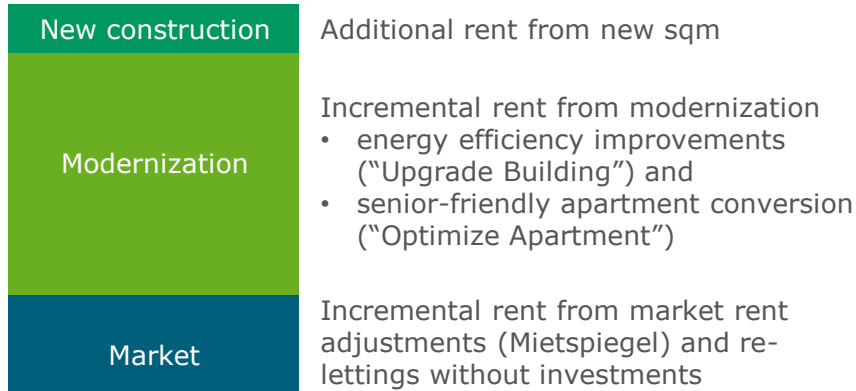
**Other factors** such as supply/demand imbalance, rental regulation, market rent growth, location of assets etc. seem to **outweigh the impact of interest rates** when it comes to pricing residential real estate.



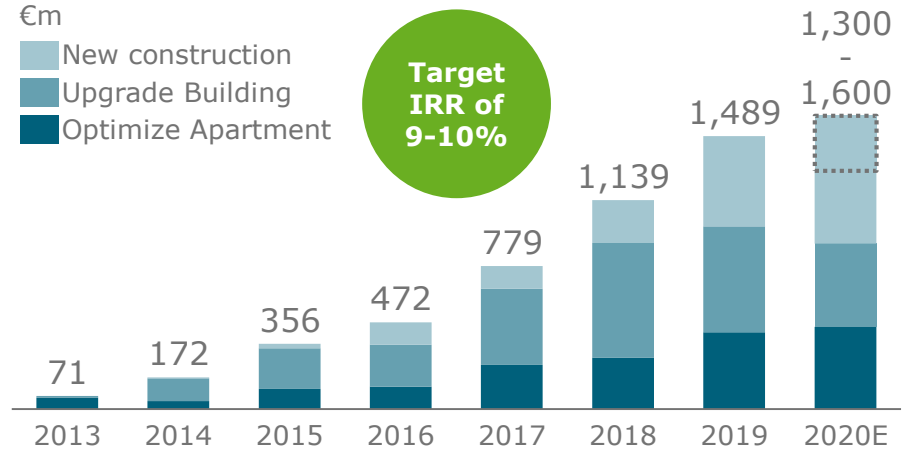
<sup>1</sup> Source: BBSR (<https://gis.uba.de/maps/resources/apps/bbsr/index.html?lang=de>) <sup>2</sup> Sources: Federal Statistics Office, BBSR. <sup>3</sup> Note: VNA 2010 – 2014 refers to Deutsche Annington Portfolio at the time; construction costs excluding land. The land value refers to the share of total fair value allocated to land. <sup>4</sup> Yearly asset yields vs. rolling 200d average of 10y interest rates. Sources: Thomson Reuters, bulwiengesa.

# Stable Market Rent Growth Leveraged with Investments

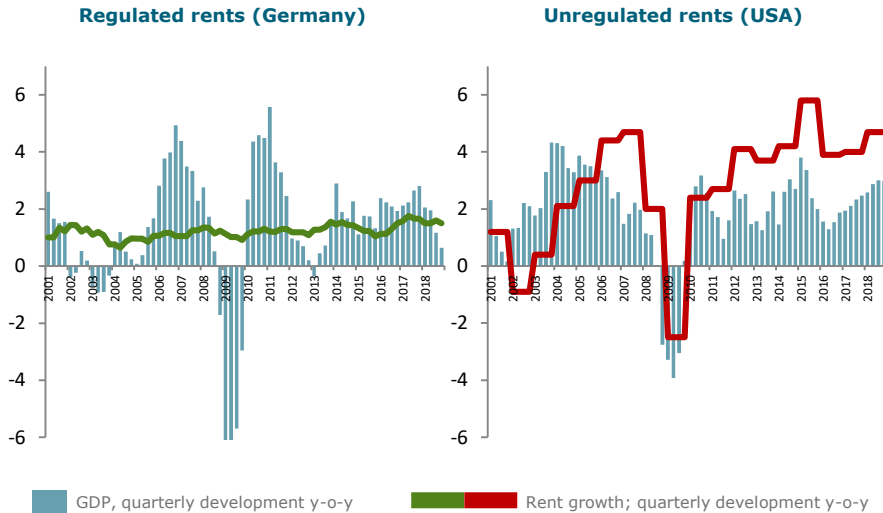
## Vonovia has three different organic rent growth drivers



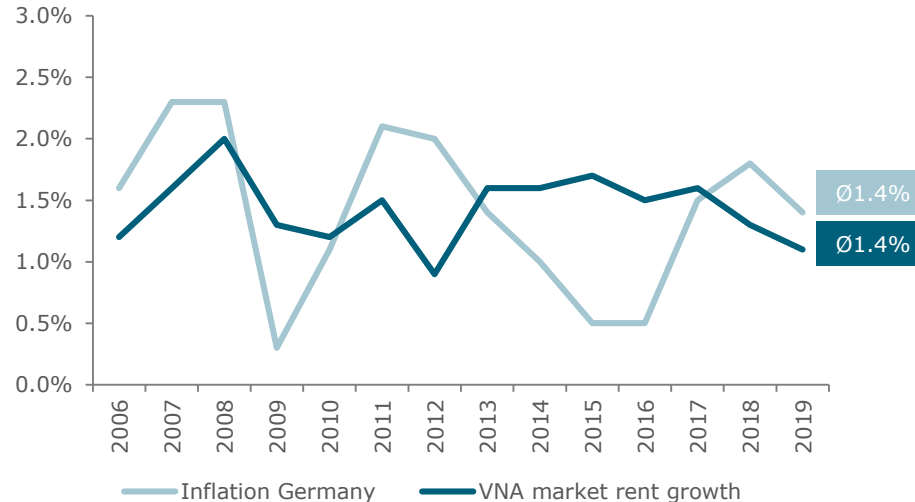
## Investment Program drives performance, value and quality



## Regulated environment provides stable market rent growth<sup>1</sup>



## No direct connection between Vonovia market rent growth and inflation but over time broadly in line



<sup>1</sup> Sources: Federal Statistics Office, GdW (German Association of Professional Homeowners), REIS, BofA Merrill Lynch Global Research, OECD, Note: Due to lack of q-o-q rent growth data for the US, the annual rent growth for a year is assumed to also be the q-o-q rent growth of that year.

## MEGATRENDS



Urbanization



Energy efficiency



Demographic change

### We give people a place they call home

Serving a basic need in a highly relevant market



Our products & services give more than one million people an affordable home in their apartment and neighborhood.

Our actions are guided by a long-term view and a careful balance between all stakeholders.

Scalable B-to-C business beyond the bricks



We have the best-in class operating platform to serve our customers in regulated markets across the entire residential real estate value chain.

Our experience and knowhow enable us to scale our business in attractive European markets.



### We are a driving force in the housing industry

We have the scale and the skills as well as the innovative and financial strength to help managing the megatrends.

We develop solutions for the housing market and are a reliable partner for municipalities & communities in our neighborhoods.

We offer sustainable per-share earnings and value growth with superior downside risk protection to our investors.

We have the necessary access to capital markets to finance the required investments.

We are part of the solution



Sustainable earnings and value growth



## License to operate



**E** Contribution to climate protection and CO2 reduction

**S**

Operating in residential markets brings with it a special responsibility

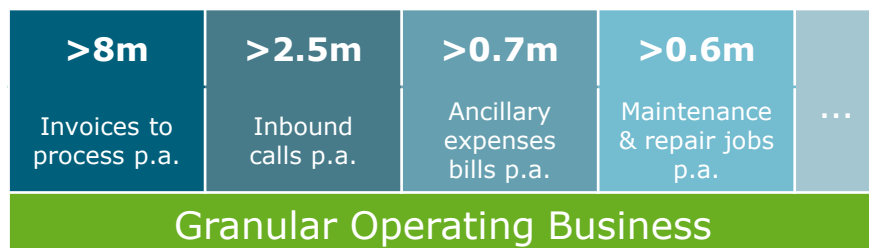
**G**

Our business conduct is built around trust, transparency & reliability

# Scalable B-to-C Business Beyond the Bricks

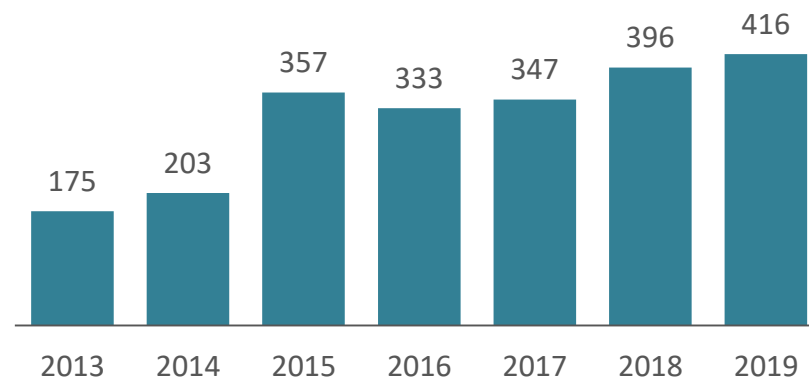
## Increasing Profitability via Scale and Efficiencies

Our strategy is to own for generations and create scale effects and efficiencies (buy & hold), and therefore different from a financial investor with a limited investment horizon (buy & sell)

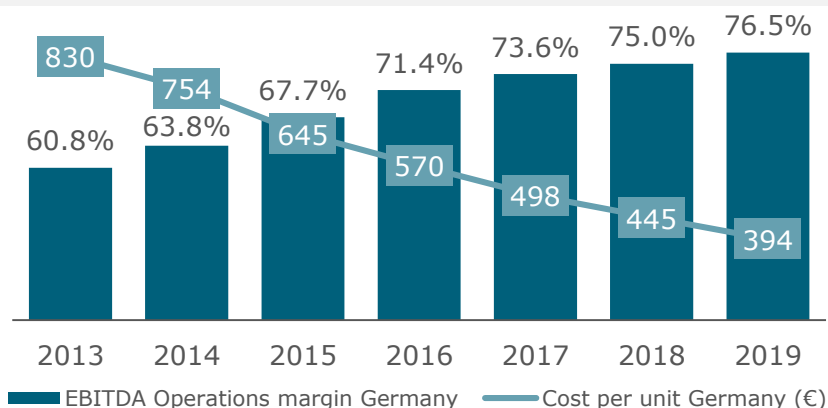


- Unique scalable platform to efficiently manage a large residential real estate portfolio driven by industrialization, standardization and optimization with best-in-class service
- Digitalization still in early stage with cost-reduction potential in the medium- and long-term
- Impact of scale to continue with acquisitions – incremental Cost per unit (Germany) is around €250

Portfolio size (eop, '000)



Proof of scalability<sup>1</sup>

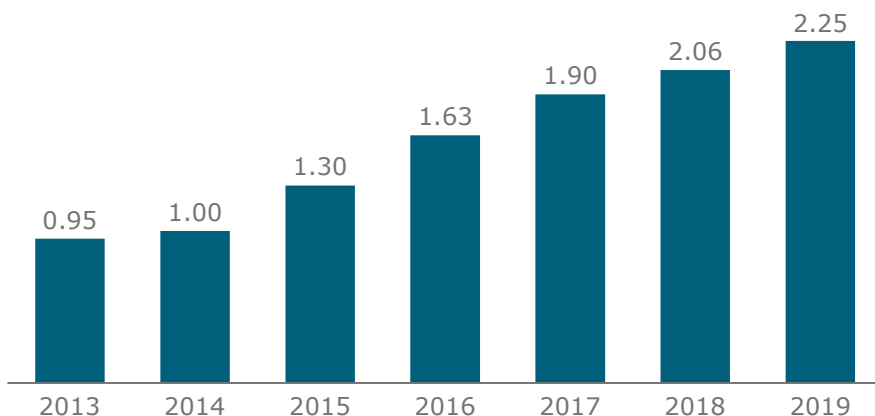


<sup>1</sup> EBITDA Operations margin (Adj. EBITDA Rental + Adj. EBITDA Value-add – intragroup profits). 2019 margin includes positive impact from IFRS 16. Cost per unit is defined as (Rental Income – EBITDA Operations + Maintenance) / average no. of units.

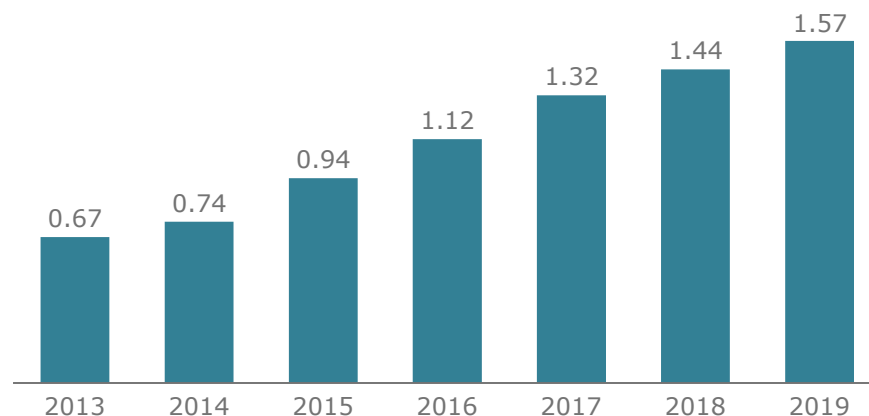


# Long-term Track Record of Sustainable Growth

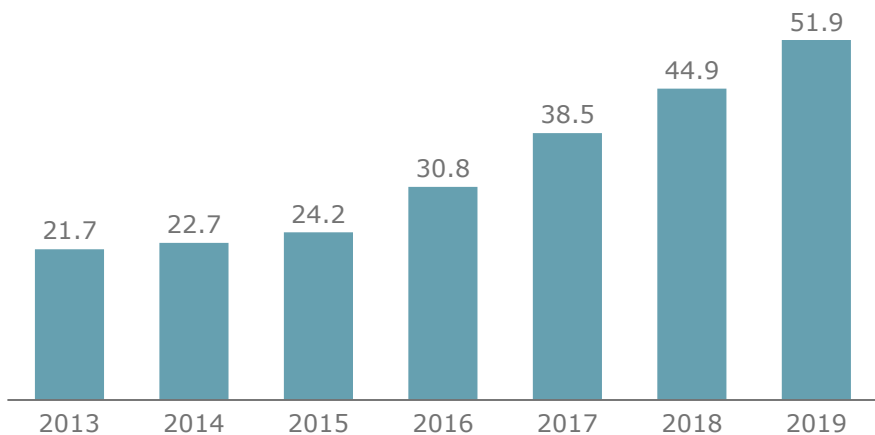
FFO (€/share)<sup>1</sup>



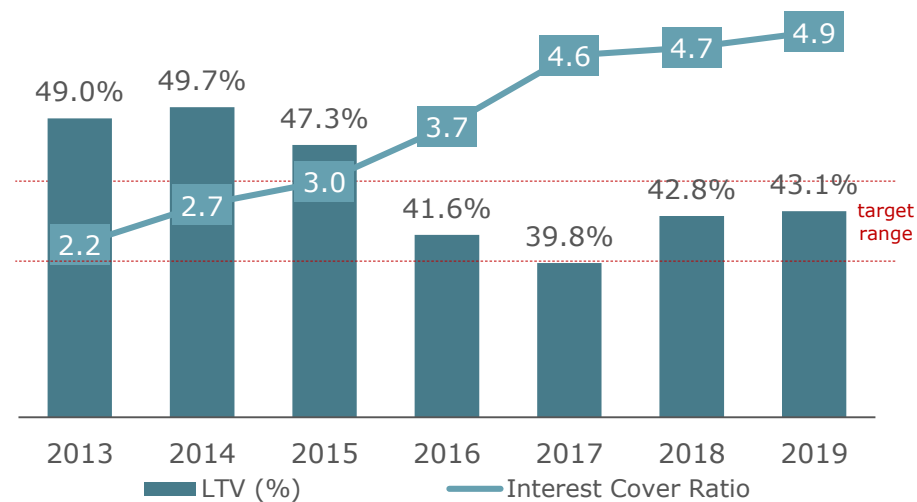
Dividend (€/share)<sup>2</sup>



Adj. NAV (€/share)



LTV and Interest Cover Ratio



<sup>1</sup> Based on prevailing internal management KPI, which was FFO1 from 2013-2018 and Group FFO in 2019. <sup>2</sup> 2019 DPS to be proposed to the AGM on June 30, 2020.

## Performance

- Y-o-y **increase** across **all four segments**.
- Adj. EBITDA Total **€456.1m** (+6.1%).
- Group FFO **€335.5m** (+10.5%).

## NAV & Valuation

- Adj. NAV per share **€52.23**.
- **Next portfolio valuation** planned as per **June 30**. **With the exception of Berlin**, where prices have remained flat, current indications for **all other markets suggest a fair value growth broadly in line with H1 last year**.

## Capital Structure

- LTV **43.0%** in the middle of our target range (40%-45%).
- Net debt/EBITDA multiple **11.8x**.

## AGM and Dividend

- **AGM** to take place in a virtual format on **June 30, 2020**.
- **Unchanged €1.57** dividend per share (+9% y-o-y) to be proposed.

## Guidance 2020

- Pre-COVID-19 guidance unchanged for
  - **EBITDA Total** of €1,875m - €1,925m (+6.5% - 9.4% y-o-y)
  - **Group FFO** of €1,275m - €1,325m (+4.6% - 8.7% y-o-y)

<sup>1</sup> Estimate based on the assumption that we will continue to observe no material COVID-19 impact by June 30.

- As a large residential property owner with responsibility for 10,000 employees and around one million people in our apartments we consider the following areas as crucial, and we will continue to leverage our best-in-class operating platform for the benefit of all stakeholders.

<p><b>Employees</b></p>	<ul style="list-style-type: none"> <li>➤ Flexible working hours and home office solutions wherever possible.</li> <li>➤ Individual departments / operational units work in separate teams to avoid wide-spread contagion in case of COVID-19 infection.</li> <li>➤ Protective gear for employees in the field and compliance with recommendations from Robert Koch-Institut.</li> </ul>
<p><b>Infrastructure</b></p>	<ul style="list-style-type: none"> <li>➤ Customer service has maintained high service level and availability.</li> <li>➤ Repair &amp; maintenance capacity fully intact.</li> <li>➤ Letting activities ongoing on-site and virtually.</li> </ul>
<p><b>Customers</b></p>	<ul style="list-style-type: none"> <li>➤ Pragmatic solutions for tenants in financial distress.</li> <li>➤ Moratorium on rent increases in COVID-19 environment.</li> <li>➤ Masks will be available for our customers free of charge (via our app).</li> <li>➤ Support and assistance especially for our senior citizens (e.g. groceries shopping).</li> </ul>
<p><b>Post COVID-19 Era</b></p>	<ul style="list-style-type: none"> <li>➤ Major investments and stimulus from the public and private sector will be required in the post COVID-19 era, and the focus must be on addressing the relevant challenges.</li> <li>➤ Solutions to the long-term megatrends urbanization, energy efficiency and demographic change will be even more important after COVID-19 has faded.</li> <li>➤ We continue to do our share both as a partner and a leader in innovation and research.</li> </ul>

- The scale and depth of our operations put us at a relative advantage over other residential property owners and enable us to continue our operations with very little interference from COVID-19.

## Rental and Value-add

- Very robust with no material signs of weakness.
- Fluctuation rate going down; strong demand for rental apartments unbroken with more than 5,000 inquiries per day; increasing number of virtual apartment viewings.
- So far, ca. 1% of tenants in Germany have contacted us due to COVID-19 related hardship and we have agreed on individual and pragmatic solutions. No material financial impact.
- Rent collection continues with very low default ratios and in line with previous months.
- Customer service and infrastructure fully intact and running smoothly.
- Modernization investments ongoing but new larger projects largely put on ice for now, which will have a small impact on the value-add contribution from our own craftsmen organization.

## Recurring Sales

- Small impact on Adj. EBITDA contribution.
- Overall demand for condo apartments remains strong.
- Largely digital back-office processes allow continued execution of sales.

## Development

- Construction activities ongoing but delay in some projects is expected to lead to some completions getting pushed into 2021.
- Small impact on Adj. EBITDA contribution.

# 2020 Guidance Confirmed for Adj. EBITDA Total and Group FFO

- **Organic rent growth guidance slightly reduced** by 20bps due to COVID-19 as a result of lower fluctuation and delayed completion of some investment projects.
- **All other elements of our guidance remain unchanged.**

	2019 Actuals	2020 Initial Guidance before COVID-19 (Nov. 2019)	2020 Guidance Update (from June 2020)
Organic rent growth <sup>1</sup> (eop)	3.9%	~3.5 - 4.0%	~ <b>3.3 - 3.8%</b>
Rental Income	€2,074.9m	€~2.3bn	€~ <b>2.3bn</b>
Recurring Sales (# of units)	2,607	~2,500	~ <b>2,500</b>
FV step-up Recurring Sales	41.3%	~30%	~ <b>30%</b>
Adj. EBITDA Total (€m)	1,760.1	1,875 - 1,925	<b>1,875 - 1,925</b>
Group FFO (€m)	1,218.6	1,275 - 1,325	<b>1,275 - 1,325</b>
Dividend (€/share)	1.57 <sup>2</sup>	70% of Group FFO per share	<b>70% of Group FFO per share</b>
Investments (€m)	1,489.5	1,300 - 1,600	<b>1,300 - 1,600</b>

<sup>1</sup> If the one-off reduction of rents in Berlin to 120% of the rent ceiling is implemented in November, as currently planned, we expect to come out at the lower end of the range; similarly, if it is not implemented we expect to come out at the higher end of the range. <sup>2</sup> To be proposed to the AGM on June 30, 2020.



Vonovia is Europe's leading owner and full-scale operator with proven track record of scale and efficiencies in regulated residential real estate markets.



Granular B-to-C business with high degree of stability. Business model is resilient, predictable and provides downside protection.



Our start into 2020 was uneventful, as expected. We remain confident in our ability to deliver on our 2020 guidance and beyond, as our business is proving very robust and only marginally impacted by COVID-19.



Our relevance as a large employer and residential property owner is magnified in the current COVID-19 environment, and we live up to our responsibility to all stakeholders.



While COVID-19 is rightfully at the center of attention, the housing sector must not lose sight of the megatrends urbanization, energy efficiency and demographic change. Vonovia will make sure to maintain its leading role.



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# Scalable B-to-C Business Beyond the Bricks

## Business Segments across Entire Life Cycle of the Assets

VONOVIA

Equity Story & Q1 Performance Update

Business Overview

Q1 2020 Results

Additional Information

### Rental

**Efficient management of own portfolio**



- Average duration of our rental contracts is 13 years
- No cluster risk because of B-to-C business granularity
- High degree of insourcing and standardization along our value chain

### Value-add

**Ancillary service business for internal savings and external income**



- Leveraging long-term customer relations to generate additional cash flows from internal savings and external income
- Customer benefit through better service and/or lower cost

### Development

**Construction of apartments for (i) own portfolio (ii) disposal to third parties**



- Vonovia is one of the largest builders of new homes in Germany
- Size, efficiencies and innovation lead to building costs below fair market values

### Recurring Sales

**Disposal of individual apartments to retail buyers**



- Steady sales volume of ca. 2k apartments p.a.
- Sales prices of 20-30% above fair market value capture the spread between book value and retail value



# Scalable B-to-C Business Beyond the Bricks

## Full-scale Operating Platform Enables Insourcing Strategy

Residential real estate is a granular operating business. Vonovia has built a scalable platform to efficiently manage large portfolios and to provide the full range of services largely in-house.

### Property Management

~1,500

Lettings agents & caretakers



Face to the customer and eyes and ears on the ground in our local markets

### Technical Service

~5,000

Craftsmen



Wholly owned craftsmen subsidiary ("VTS") for large share of maintenance and modernization plus pooling of entire purchasing power

### Residential Environment

~800

Landscape gardeners



Maintenance of gray and green areas and snow/ice removal in the winter

### Service Center

~1,000

Service Agents



Centralized property management including inbound calls and e-mails, ancillary cost billing, contract management, maintenance dispatch and rent growth management



Best-in-class service levels



Fully SAP based



High degree of standardization



Efficient process management



Superior cost control

# Scalable B-to-C Business Beyond the Bricks

## Leveraging the B-to-C Nature of Our Business

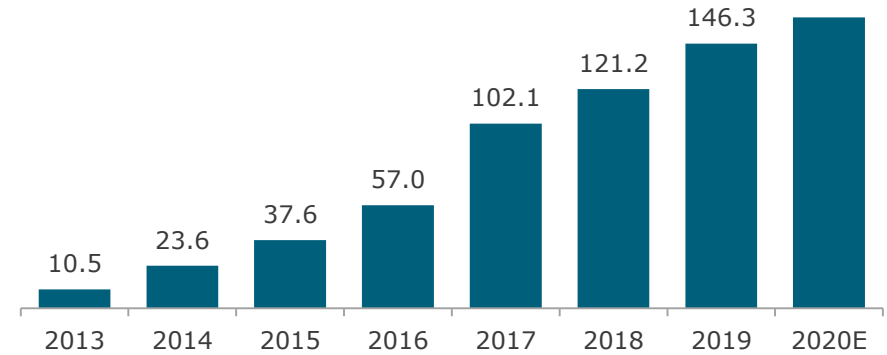
Value-add: lower cost & higher income

**Savings** from insourcing of services to ensure maximum process management and cost control

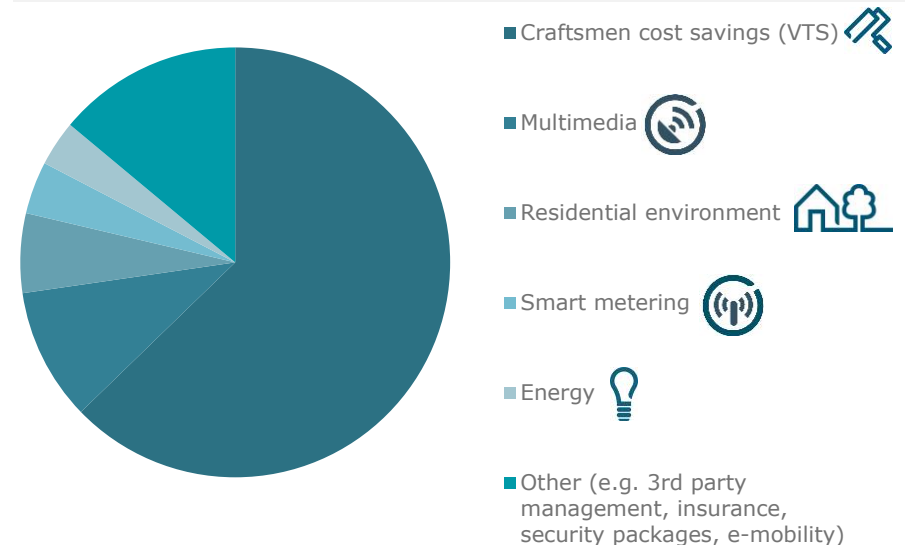
**Additional revenues** from walking back the value chain and offering services at market prices but on a lower cost basis due to scale and efficiencies

**Customer benefit** is in lower cost and/or better service quality

Evolution of Value-add segment (Adj. EBITDA, €m)



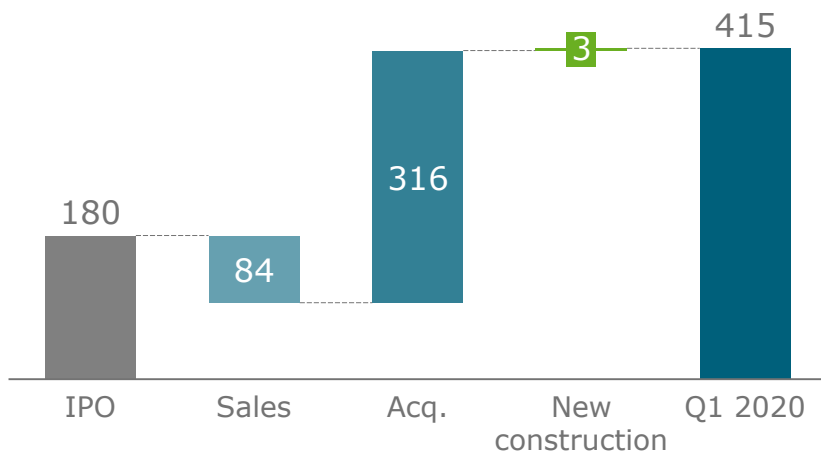
EBITDA contribution from different Value-add initiatives



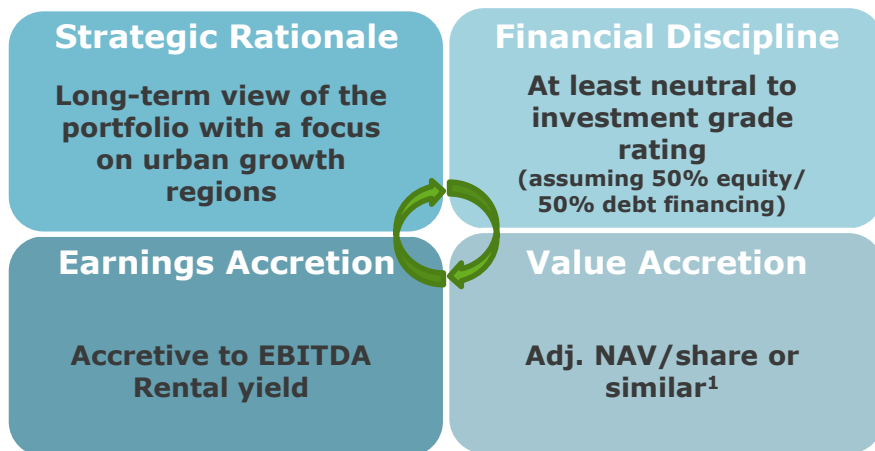
# Scalable B-to-C Business Beyond the Bricks

## Opportunistic Increase of Scalability via Mergers & Acquisitions

### Portfolio evolution by number of apartments ('000)



### Acquisition criteria



### Major transactions since IPO

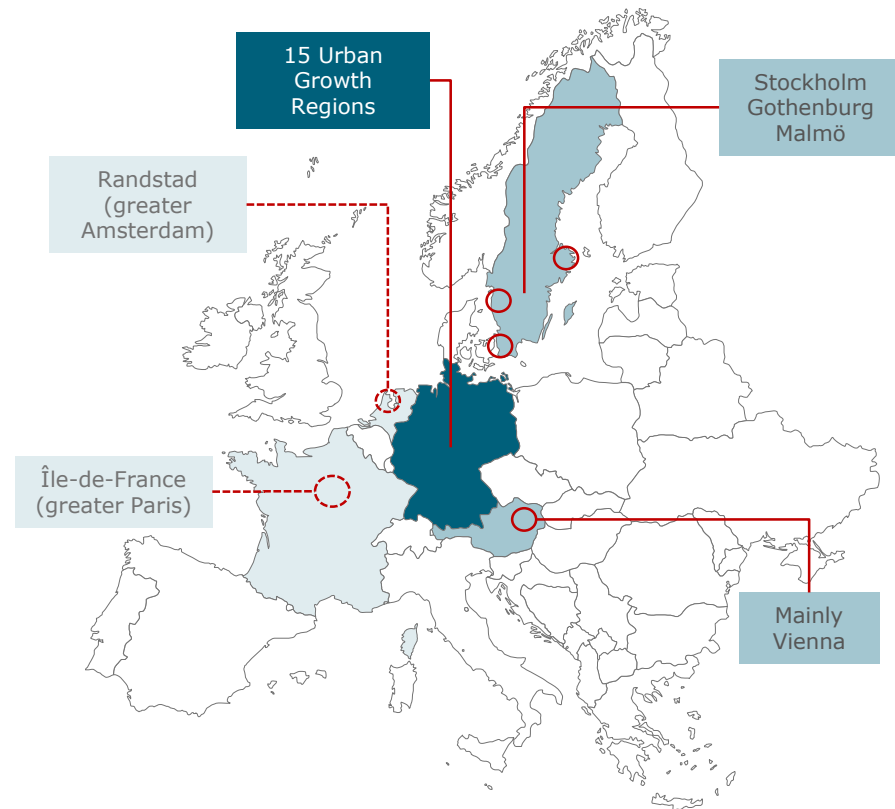
<b>DeWAG</b>	04/2014	First sizeable portfolio acquisition
~11k units		
<b>vitus</b>	10/2014	First sizeable corporate acquisition
~30k units		
<b>GAGFAH</b>	03/2015	Mixed cash/stock public takeover
~145k units		
<b>SUDEWO</b>	07/2015	Sizeable all equity financed portfolio acquisition
~19k units		
<b>conwert</b>	01/2017	Public takeover and first acquisition outside Germany
~23k units		
<b>BUWOG</b>	03/2018	Public takeover and acquisition of critical mass in Austria
~48k units		
<b>VICTORIA PARK</b>	06/2018	Public takeover and acquisition of "nucleus" in Sweden
~14k units		
<b>hembla</b>	12/2019	Acquisition of critical mass in Sweden
~21k units		

<sup>1</sup> EPRA has published new Best Practice Recommendations to replace EPRA NAV with a revised but broadly similar metric

# Scalable B-to-C Business Beyond the Bricks

## Implementation of Vonovia Business Model in Comparable Markets

- Vonovia has developed an **operating platform** and a unique business model for the **efficient management** of large residential portfolios in regulated environments.
- We are convinced that this **business model can be implemented outside of Germany** in comparable markets: large urban rental markets with a supply-demand imbalance and a regulated rental environment.
- No specific target rate or ratios in terms of German vs. non-German exposure → **disciplined but highly opportunistic approach.**
- M&A activities in European target markets are subject to the same **criteria** as in Germany.

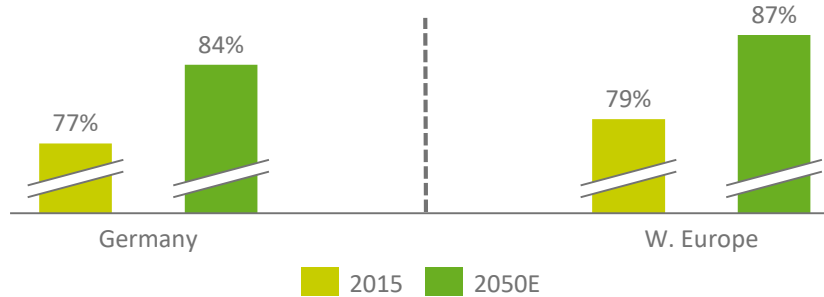


Germany	Austria	Sweden	France	Netherlands
<ul style="list-style-type: none"> <li>• Primary home market and expected to remain dominant in the foreseeable future.</li> <li>• Home of Vonovia business model that we are seeking to repeat in similar markets</li> </ul>	<ul style="list-style-type: none"> <li>• Run scalable operating business (Austrian SAP client successfully implemented)</li> <li>• "Austrian model" along build-hold-sell value chain</li> </ul>	<ul style="list-style-type: none"> <li>• Prove that Vonovia business model works outside Germany</li> <li>• Market consolidation on the basis of Victoria Park and Hembla combination</li> </ul>	<ul style="list-style-type: none"> <li>• Largest long-term potential</li> <li>• Active market engagement and networking to safeguard pole position for when opportunity arises</li> </ul>	<ul style="list-style-type: none"> <li>• Continue market research</li> <li>• Highly opportunistic approach in case of acquisition opportunity</li> </ul>

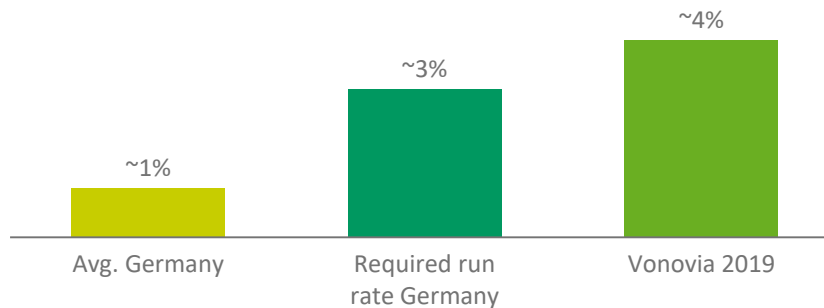


## Urbanization

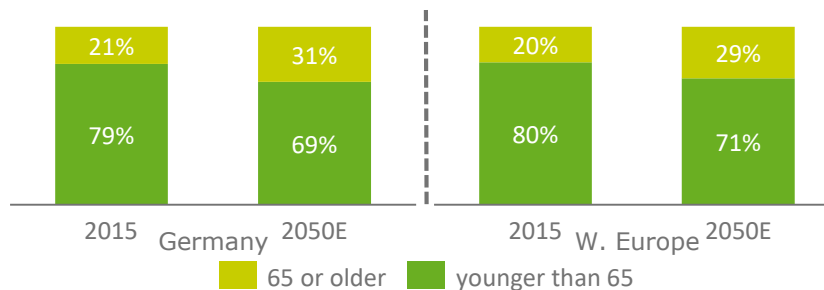
% of population living in cities



% of modernized housing units



% of population above/below 65 years



## Energy efficiency



## Demographic change

- > The dominant megatrends represent a **challenge and an opportunity** at the same time
- > The key to solving the residential markets' problems lies in finding **workable solutions** for these megatrends in the interest of **all stakeholders**
- > The **investments required** to meet these challenges **are enormous**. The German Housing Association GdW estimates the investment volume required until 2030 to be around €800bn
- > **Large residential** players with sustainable business models and access to capital market funding **play an important role** in finding and implementing solutions

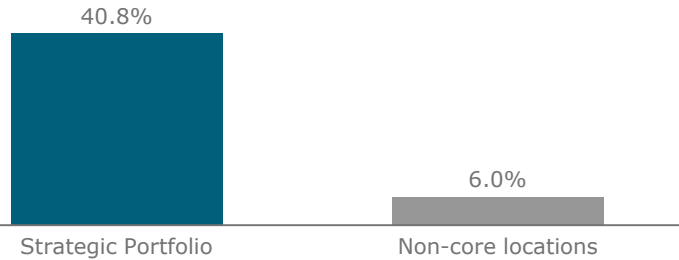
# Long-term Support from Megatrends

## Focus on Urban Areas with Long-term Supply/Demand Imbalance

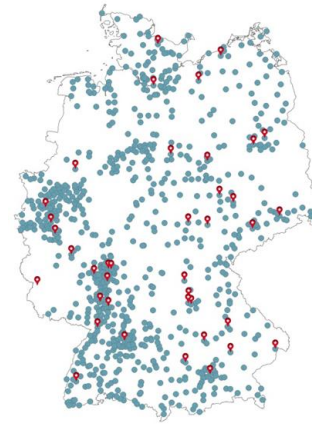
**Vonovia**  
Portfolio evolution

- > ~70k **non-core apartments sold** since IPO in 2013
- > ~99% of current portfolio located in **urban growth regions** for long-term ownership and subject to structural supply-demand imbalance

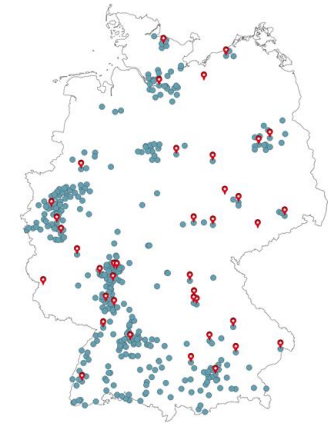
Aggregate total value growth 2017-2019 (%)<sup>1</sup>



**Vonovia Portfolio March 2015**  
347k apartments in 818 locations



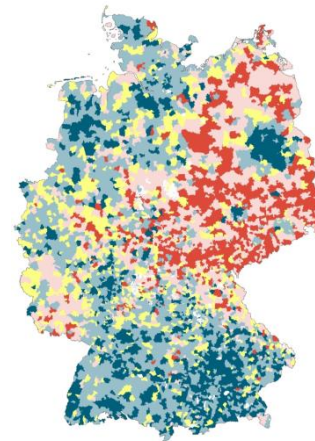
**Vonovia Strategic Portfolio**  
350k apartments in ~400 locations



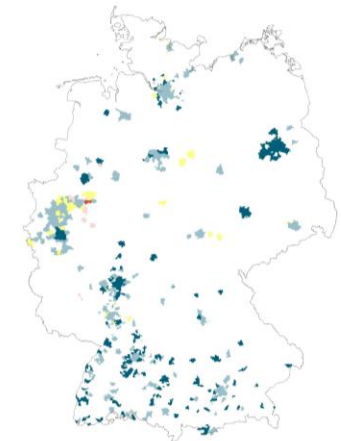
**Market view**  
of growing and shrinking regions<sup>2</sup>

- > The German Federal Office for Construction and Urban Development (BBSR) has analyzed all cities and counties in Germany on the basis of the average development in terms of population growth, net migration, working population (age 20-64), unemployment rate and trade tax revenue.
- > **The results fully confirm our portfolio management decisions**

Germany (market)



Strategic Portfolio (Vonovia)



■ Shrinking (above average) 
 ■ Shrinking 
 ■ No clear direction 
 ■ Growing 
 ■ Growing (above average)

● Vonovia location ● High-influx cities ("Schwarmstädte"). For more information: [http://investoren.vonovia.de/websites/vonovia/English/4050/financial-reports-\\_-presentations.html](http://investoren.vonovia.de/websites/vonovia/English/4050/financial-reports-_-presentations.html)

<sup>1</sup> Simple addition of 2017-2019 valuation results excluding compound interest effects. <sup>2</sup> Source: BBSR (<https://gis.uba.de/maps/resources/apps/bbsr/index.html?lang=de>)<sup>2</sup>

# Long-term Support from Megatrends

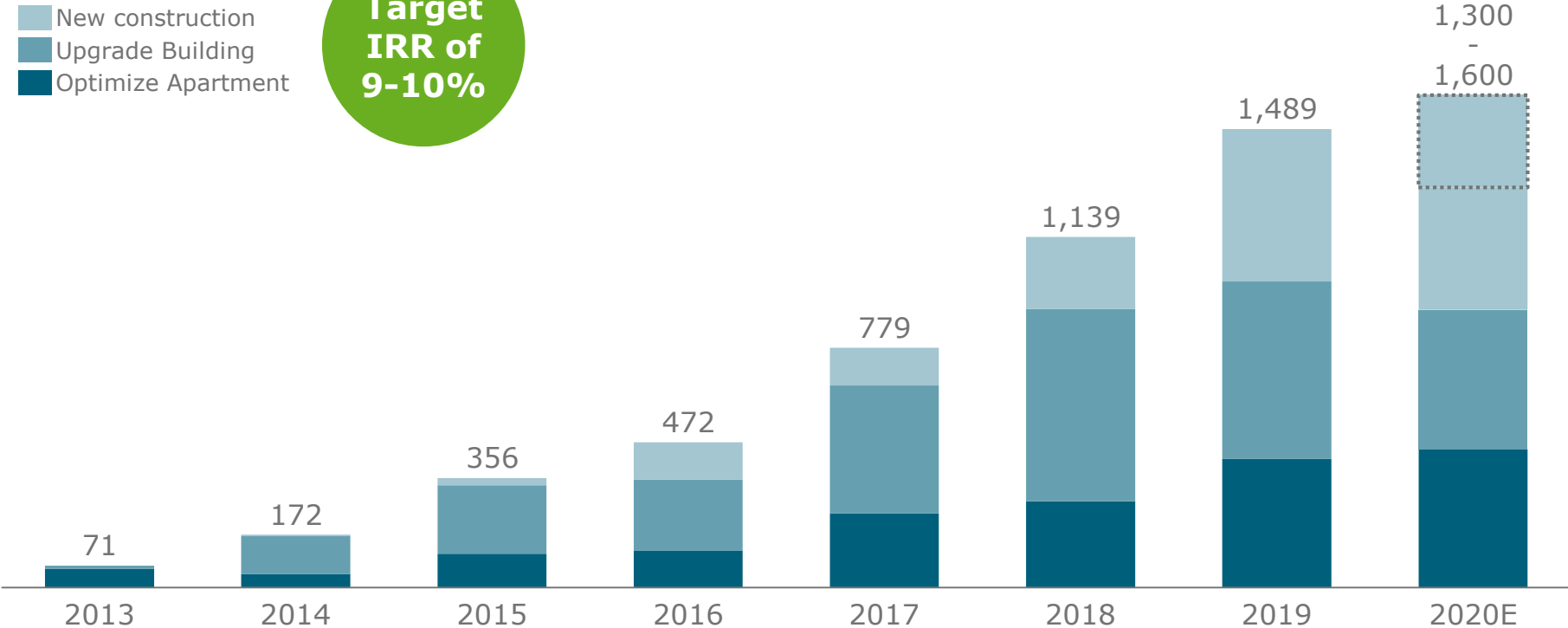
## Investments into Existing Portfolio and New Construction

- > **New construction:** Construction of apartments for our own portfolio through entirely new buildings or floor additions to existing buildings applying modular and conventional construction methods.
- > **Upgrade Building:** Energy efficient building modernization usually including new facades, roofs, windows and heating systems.
- > **Optimize Apartment:** Primarily senior-friendly apartment renovation usually including new bathrooms, modern electrical installations and new flooring.

€m

- New construction
- Upgrade Building
- Optimize Apartment

**Target IRR of 9-10%**



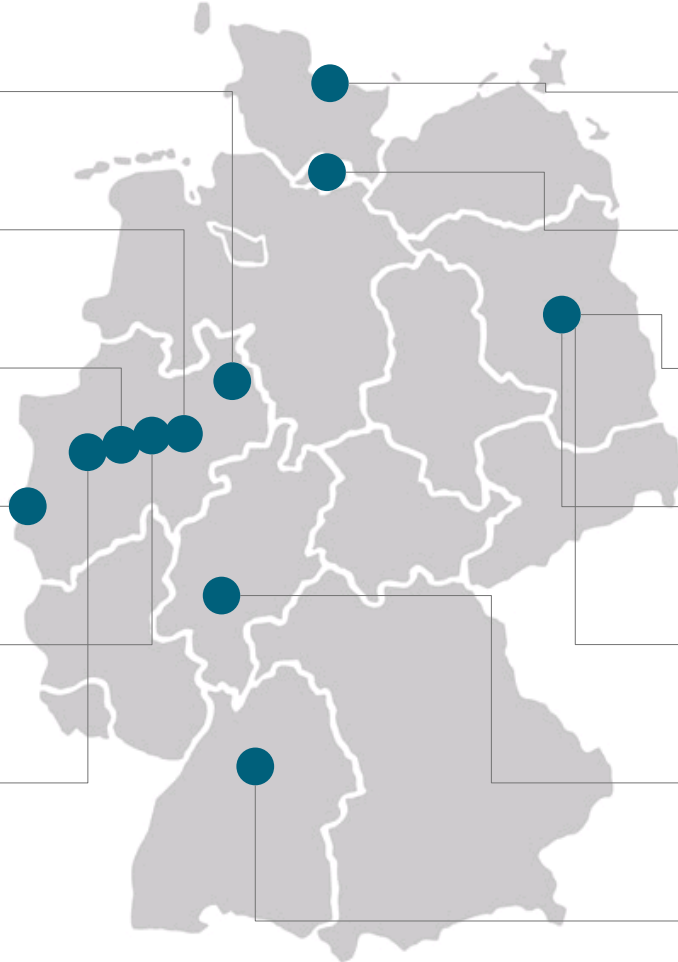
# Long-term Support from Megatrends

## More than €500m Neighborhood Development Investments



While each project is different depending on specific local requirements and opportunities, neighborhood development projects usually include energy efficient modernization, construction of new apartments, apartment modernization and general upgrade of the neighborhood environment.

<b>Bielefeld (2017)</b> Sennestadt 302 apartments 3 years construction time €14m investment	
<b>Dortmund (2017)</b> Westerfilde Nord + Süd 639 apartments 3 years construction time €23m investment	
<b>Essen (2016)</b> Eltingviertel 420 apartments 5 years construction time €27m investment	
<b>Aachen (2016)</b> Preuswald 397 apartments 3 years construction time €10m investment	
<b>Bochum (2019)</b> Weitmar 1,558 apartments 4 years construction time €81m investment	
<b>Duisburg (2019)</b> Hüttenheim 228 apartments 3 years construction time €27m investment	



<b>Kiel (2018)</b> Gaarden (Förde) 682 apartments 5 years construction time €32m investment	
<b>Hamburg (2018)</b> Wilhelmsburg 1,451 apartments 4 years construction time €85m investment	
<b>Berlin (2017)</b> Lettekiez 919 apartments 3 years construction time €36m investment	
<b>Berlin (2017)</b> Tegel- Ziekowstraße 1,470 apartments 6 years construction time €111m investment	
<b>Berlin (2016)</b> Afrikanisches Viertel 422 apartments 5 years construction time €41m investment	
<b>Frankfurt (2017)</b> Knorrquartier 150 apartments 2 years construction time €14m investment	
<b>Kornwestheim (2019)</b> Südkorn 277 apartments 4 years construction time €34m investment	

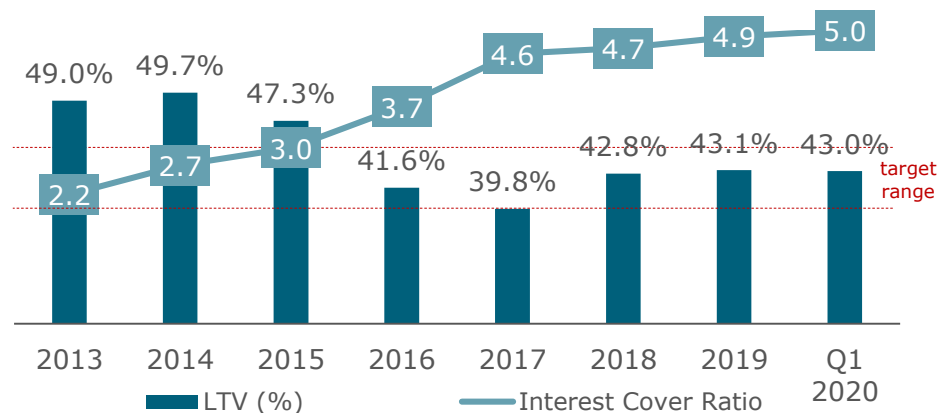
Note: Year refers to year of initial investment. Pie chart refers to estimated degree of project completion.



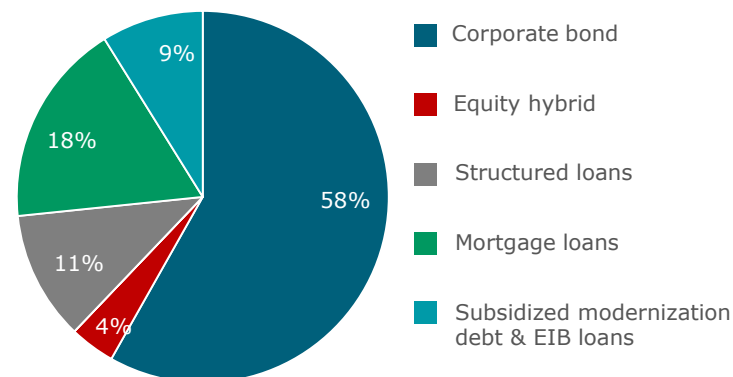
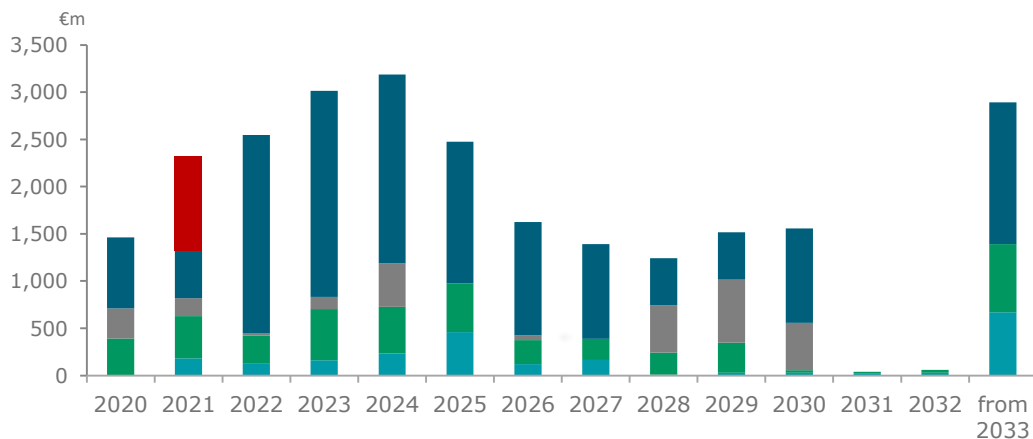
# Solid Capital Structure with Smooth Maturity Profile and Diverse Funding Mix

KPI / criteria	Mar. 31, 2020	Dec. 31, 2019
Corporate rating (Scope)	A-	A-
Corporate rating (S&P)	BBB+	BBB+
LTV <sup>2</sup>	43.0%	43.1%
Net debt/EBITDA multiple <sup>1</sup>	11.8x	11.5x
ICR	5.0x	4.9x
Fixed/hedged debt ratio <sup>2</sup>	96%	96%
Average cost of debt <sup>2</sup>	1.5%	1.5%
Weighted average maturity (years) <sup>2</sup>	8.1	7.9
Unencumbered assets	49%	50%
Most recent bond issuances	Apr. 2020	
€500m, 10 years	2.250%	
€500m, 4 years	1.625%	

## Evolution of LTV and Interest Cover Ratio



## Diverse funding mix with no more than 13% of debt maturing annually<sup>3</sup>



<sup>1</sup> Adj. net debt annual average over Total EBITDA. <sup>2</sup> Excl. equity hybrid. <sup>3</sup> Incl. April 2020 Dual Tranche Bond of €500m each.

# Serving a Fundamental Need in a Highly Relevant Market

## Main Focus Points of Our Sustainability and ESG Dimensions

VONOVIA

Equity Story & Q1 Performance Update

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### E NVIRONMENTAL



- Largest and most meaningful positive impact is through increasing energy efficiency and CO<sub>2</sub> reduction of the >50,000 buildings in our portfolio
- Ca. one million tCO<sub>2</sub>e emissions per year
- Committed to Germany's ambitious target of achieving a climate neutral building stock by 2050 → energy efficient modernization of our portfolio at rate of >3% p.a.
- Researching innovative ways to reduce CO<sub>2</sub> emissions and increase the use of renewable energy

### S OCIAL



- Deeply rooted in the middle of society with products & services that impact the lives of more than one million people
- Homes not a product like any other → they serve a basic need alongside food and oxygen
- As a partner in the local markets in which we operate we provide answers to the challenges of the housing sector
- Most important solution lies in the construction of new and affordable apartments; as one of Germany's largest homebuilders we live up to our responsibility
- Responsibility for ~10,000 employees from 78 countries

### G OVERNANCE



- Business conduct is built around trust, transparency and reliability
- In everything we do we play by the rules and are compliant with all relevant laws, directives, social norms and agreements
- Continuous and open dialogue with all stakeholders
- We will only be successful if our stakeholders feel that they can rely on us

As Europe's largest listed landlord we provide a home to around 1 million people from 170 nations. All of our actions have more than just an economic dimension.



## CUSTOMERS

- Business philosophy above and beyond what is legally required
- Self-imposed obligation to limit ourselves to maximum rent increase of €2/sqm after invest
- Guarantee to customers 70+ years that rents will remain affordable irrespective of legal rent increase opportunities
- In-house craftsmen organization to ensure swift response time to repair & maintenance needs
- Multilingual service center for customer enquiries with 24/7 emergency service and tenant app to access all relevant data and for state-of-the-art customer-landlord communication



## SOCIETY

- Availability and affordability of housing is one of key social questions of our time. The most effective answer to address this challenge is new construction. With more than 2,000 apartments per year we are part of the solution
- Several hundred million of investments in neighborhood development to make sure that people feel at home not only within their apartments but also within their local neighborhood
- Various foundations, donations and different initiatives (e.g. photo award) support our commitment to society



## EMPLOYEES

- We bear responsibility for offering our employees a working environment in which they are happy, healthy and able to advance in line with their own expectations
- Our Vonovia academy continuously offers a range of training and coaching opportunities
- Comprehensive health management
- Generous home office regulation and part-time models to enable employees to balance career and family
- Signatory of Diversity Charter and committed to appreciation, tolerance and respect

- The duties and authorities of the three governing bodies derive from the SE Regulation, the German Stock Corporation Act and the Articles of Association. In addition, Vonovia is **fully in compliance** with the German Corporate Governance Code.
- In the **two-tier governance system**, the management and monitoring of the business are **strictly separated** from each other.

## Annual General Meeting (AGM)

- Shareholders can exercise their voting rights.
- Decision making includes the appropriation of profit, discharge of members of the SVB and MB, and capital authorization.

### Two-tier Governance System

#### Supervisory Board (SVB)

- Appoints, supervises and advises MB
- Examines and adopts the annual financial statements
- Forms Supervisory Board Committees
- Fully independent
- Board profile with all required skills and experience



Jürgen Fitschen (Chairman)   Prof. Dr. Edgar Ernst   Burkhard Ulrich Drescher   Vitus Eckert   Dr. Florian Funck   Dr. Ute Geipel-Faber



Daniel Just   Hildegard Müller   Prof. Dr. Klaus Rauscher   Dr. Ariane Reinhart   Clara-Christina Streit   Christian Ulbrich

#### Management Board (MB)

- Jointly accountable for independently managing the business in the best interest of the company and its stakeholders
- Informs the SVB regularly and comprehensively
- Develops the company's strategy, coordinates it with the SVB and executes that strategy



**CEO**  
Rolf Buch



**CFO**  
Helene von Roeder



**CRO**  
Arnd Fittkau



**CDO**  
Daniel Riedl

# Why Vonovia?



Granular B-to-C business with high degree of stability. Business model is resilient, predictable and provides downside protection



Long-term owner and full-scale operator with proven track record of scale and efficiencies in regulated residential real estate markets



The megatrends urbanization, energy efficiency and demographic change provide structural support and long-term tailwind for the business



Uniquely positioned in Germany with ability and ambition to implement Vonovia business model in selected European metropolitan areas



Fully committed to long-term nature of the business and the importance of sustainability





Equity Story  
&  
Q1 2020  
Performance  
Update  
*pages 2-14*

Business  
Overview

*pages 15-29*

Q1 2020  
Results

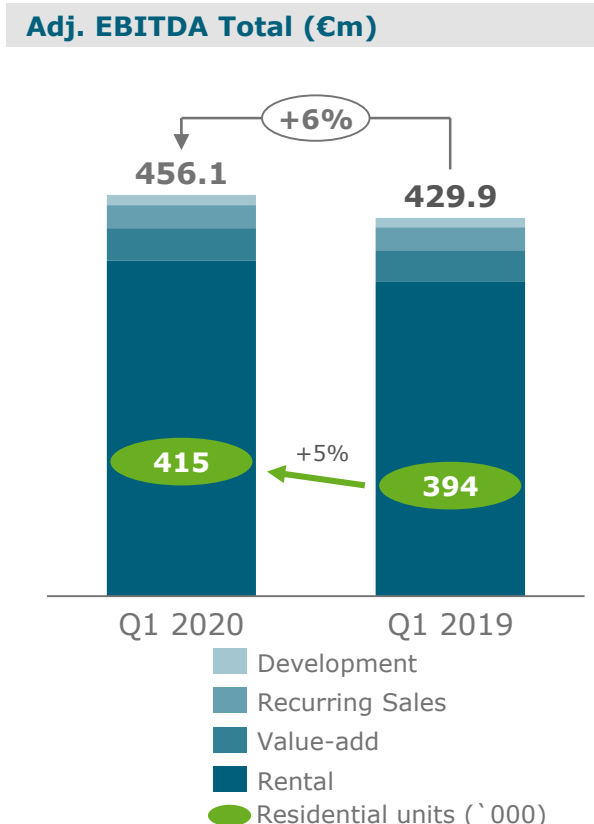
*pages 30-42*

Additional  
Information

*pages 43-58*

- 6.1% Adj. EBITDA Total growth and 10.5% Group FFO growth as a result of a larger portfolio and performance improvements.

€m (unless indicated otherwise)	Q1 2020	Q1 2019	
Adj. EBITDA Rental	381.1	357.4	
Adj. EBITDA Value-add	37.2	35.8	
Adj. EBITDA Recurring Sales	26.4	26.3	
Adj. EBITDA Development	11.4	10.4	
<b>Adj. EBITDA Total</b>	<b>456.1</b>	<b>429.9</b>	<b>+6.1%</b>
FFO interest expenses	-90.1	-89.8	
Current income taxes FFO	-11.8	-12.6	
Consolidation <sup>1</sup>	-18.7	-23.9	
<b>Group FFO</b>	<b>335.5</b>	<b>303.6</b>	<b>+10.5%</b>
of which Vonovia shareholders	321.5	289.8	
of which hybrid investors	10.0	10.0	
of which non-controlling interests	4.0	3.8	
Number of shares (eop)	542.3	518.1	
<b>Group FFO per share (eop NOSH)</b>	<b>0.62</b>	<b>0.59</b>	<b>+5.1%</b>
Group FFO per share (avg. NOSH)	0.62	0.59	



<sup>1</sup> Consolidation in Q1 2020 (Q1 2019) comprised intragroup profits of €7.1m (€11.1m), the valuation result of development to hold of €4.3m (€5.3m), and IFRS 16 effects of €7.3m (€7.5m).

## Acquisitions and Organic Growth Drive Adj. EBITDA Rental

Equity Story &amp; Q1 Performance Update

Business Overview

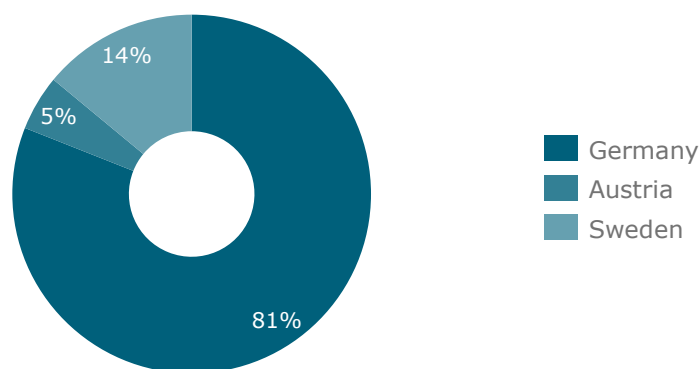
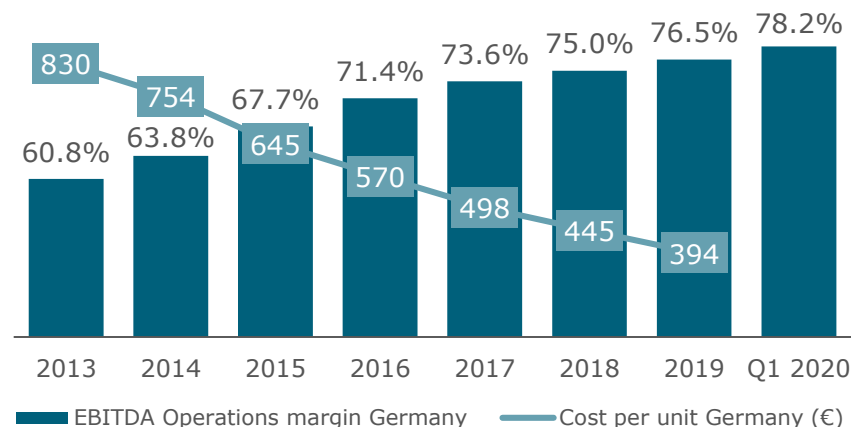
Q1 2020 Results

Additional Information

Rental Segment (€m)	Q1 2020	Q1 2019	Delta
Rental income	564.0	502.2	+12.3%
Maintenance expenses	-79.4	-72.7	+9.2%
Operating expenses	-103.5	-72.1	+43.6%
<b>Adj. EBITDA Rental</b>	<b>381.1</b>	<b>357.4</b>	<b>+6.6%</b>

- Rental income growth in Q1 2020 was driven by the acquisition of Hembla plus organic rental growth.
- The increase in operating expenses was mainly attributable to two Hembla-related reasons:
  - more all-inclusive rents in Sweden compared to Q1 2019; and
  - double cost structure between Victoria Park and Hembla (synergies not realized yet). EBITDA Operations margin (unadjusted)<sup>2</sup> for Victoria Park was 51% and for Hembla 37%.

## Rental income by geography

EBITDA Operations margin Germany<sup>1</sup>

<sup>1</sup> EBITDA Operations margin (Adj. EBITDA Rental + Adj. EBITDA Value-add – intragroup profits) / Rental Income. Margin 2019 and beyond includes positive impact from IFRS 16. Cost per unit is defined as (Rental Income – EBITDA Operations + Maintenance) / average no. of units. <sup>2</sup> EBITDA margins in Sweden not comparable to Germany because in Sweden rental income includes ancillary costs.



# Operating KPIs Rental Segment

Equity Story & Q1 Performance Update

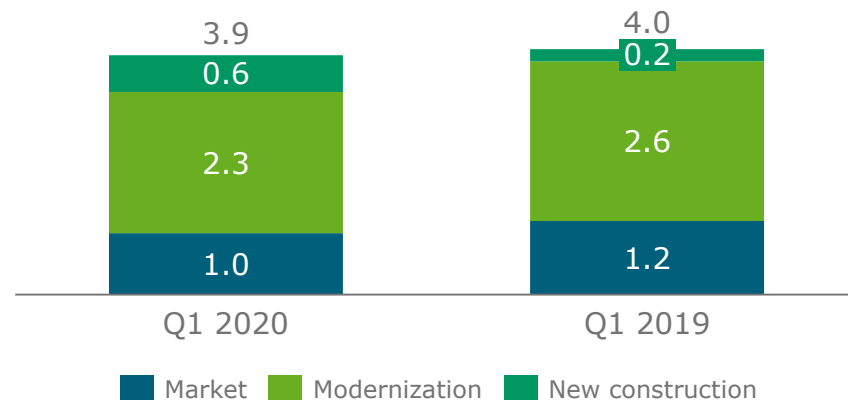
Business Overview

Q1 2020 Results

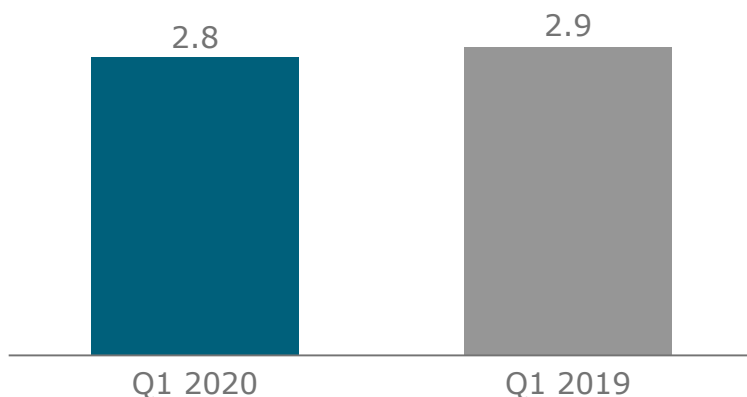
Additional Information

- Organic rent growth of 3.9% year-on-year
- Vacancy rate stable and largely the result of investments.
- Expensed maintenance on prior-year level; capitalized maintenance elevated as a result of increased volume of targeted larger-scale measures planned for 2020.

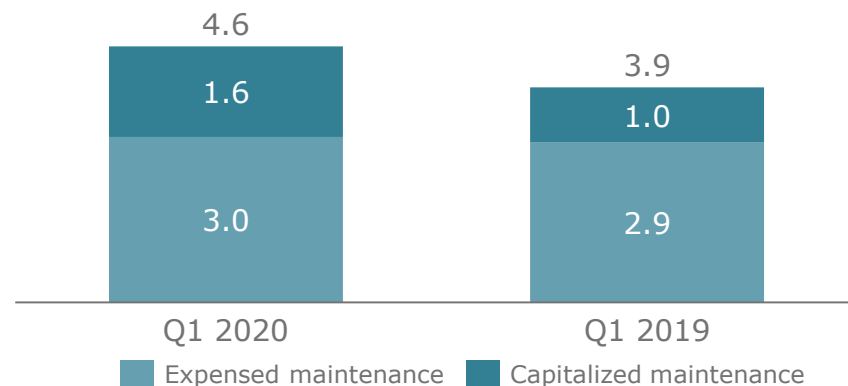
## Organic rent growth (y-o-y; %)



## Vacancy rate (%)



## Expensed and capitalized maintenance (€/sqm)



## Continued Dynamic Growth in Adj. EBITDA Value-add

Equity Story &amp; Q1 Performance Update

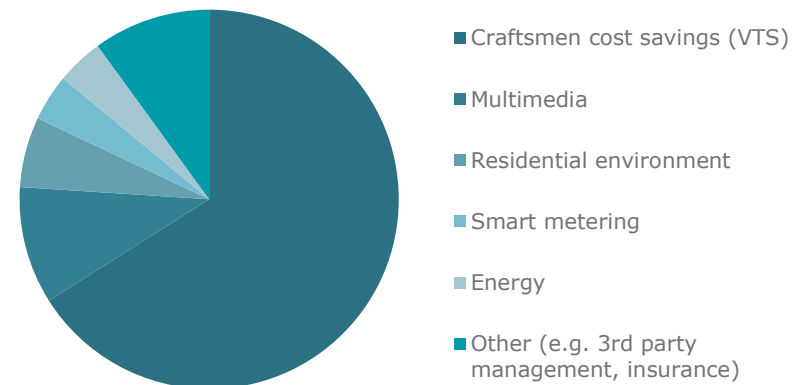
Business Overview

Q1 2020 Results

Additional Information

- Two types of value-add: (i) **internal savings** mainly via craftsmen organization and (ii) **additional revenue** through external income by offering services at **market prices but on a lower cost basis due to efficiencies and size**.
- Insourcing of services to ensure **maximum process management** and **cost control**.
- Expansion of core business to generate additional revenues by walking back the value chain and offering services that were previously provided by third parties (**internalization of margin**).
- **Cash flows from Adj. EBITDA Value-add are not included in the portfolio valuation, and as a consequence ignored in NAV.**
- Applying the impairment test discount rate<sup>1</sup> to the 2020E Adj. EBITDA Value-add suggests an **additional value between ca. €5.5 and €6.5 per share** (ca. **10-13%** on top of Q1 2020 Adj. NAV).

Value-add Segment (€m)	Q1 2020	Q1 2019	Delta
Income	375.1	358.8	+4.5%
of which external	77.6	80.2	-3.2%
of which internal	297.5	278.6	+6.8%
Operating expenses Value-add	-337.9	-323.0	+4.6%
<b>Adj. EBITDA Value-add</b>	<b>37.2</b>	<b>35.8</b>	<b>+3.9%</b>

Value-add EBITDA mostly from internal savings<sup>2</sup>

<sup>1</sup> Pre-tax WACC in impairment test of 4.1% in 2019 (2018: 5.1%). <sup>2</sup>Distribution based on 2020 Budget

## Demand for Individual Condos Remains Strong

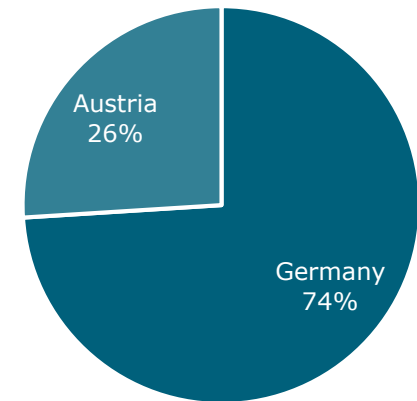
Equity Story &amp; Q1 Performance Update

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Q1 2020 Results

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- Sales volume slightly below and gross proceeds in line with previous year.
- Outside the Recurring Sales Segment we sold 287 non-core units in Q1 2020 with a fair value step-up of 36%, partly driven by the disposal of a commercial property.

Recurring sales by geography<sup>1</sup>

Recurring Sales Segment (€m)	Q1 2020	Q1 2019	Delta
Units sold	760	809	-6.1%
Gross proceeds	108.6	109.0	-0.4%
Fair value	-79.4	-79.4	-
Adjusted result	29.2	29.6	-1.4%
Fair-value step-up	36.8%	37.2%	-40bps
Selling costs	-2.8	-3.3	-15.2%
<b>Adj. EBITDA Recurring Sales</b>	<b>26.4</b>	<b>26.3</b>	<b>+0.4%</b>

<sup>1</sup> Based on sales proceeds.

## Adj. EBITDA Development +9.6%

Equity Story &amp; Q1 Performance Update

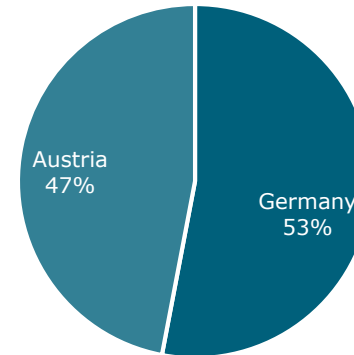
Business Overview

Q1 2020 Results

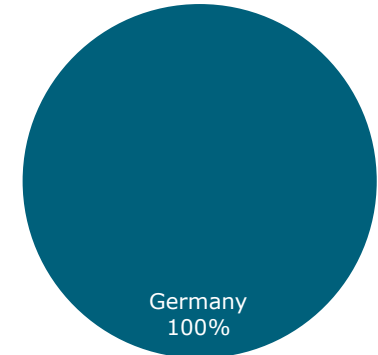
Additional Information

- Development segment in Q1 2020 influenced by fewer notarizations and completions.
- Operating expenses in Q1 2020 positively impacted by lower volume and the reversal of provisions (€3m) that are no longer required.

Development to sell (by income)



Development to hold (by fair value)



Development Segment (€m)	Q1 2020	Q1 2019	Delta
Income from disposal of "to sell" properties	45.4	59.4	-23.6%
Cost of Development to sell	-38.2	-46.1	-17.1%
Gross profit Development to sell	7.2	13.3	-45.9%
Fair value Development to hold	20.2	47.3	-57.3%
Cost of Development to hold	-15.9	-42.0	-62.1%
Gross profit Development to hold	4.3	5.3	-18.9%
Operating expenses Development segment	-0.1	-8.2	-98.8%
<b>Adj. EBITDA Development</b>	<b>11.4</b>	<b>10.4</b>	<b>+9.6%</b>

Note: This segment includes the contribution of to-sell and to-hold constructions of new buildings. Not included is the construction of new apartments by adding floors to existing buildings, as this happens in the context of, and is accounted for, under modernization.

## Vonovia's Contribution towards Reducing the Housing Shortage

Equity Story &amp; Q1 Performance Update

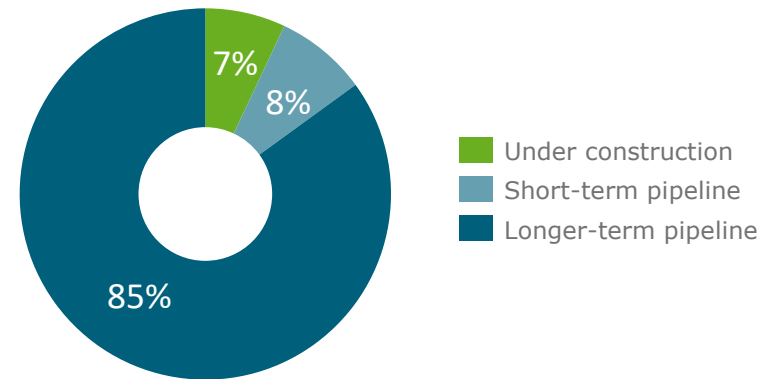
Business Overview

Q1 2020 Results

Additional Information

**New rental apartments for our own portfolio ("to hold")**

- 122 units completed in Q1 2020 (including floor additions).
- Total pipeline of ca. 41,000 units, of which more than 70% in Germany and the remainder in Austria and Sweden.
- Average apartment size between 60-70 sqm and broadly in line with overall portfolio average.
- The development to-hold investment volume is part of the overall investment program.

Pipeline with ca. 41,000 apartments

2020 target: ~1,300 completions

**New apartments for retail disposal ("to sell")**

- No units completed in Q1 2020.
- Total pipeline volume of ca. €3bn (ca. 8,500 apartments), of which ca. 70% in Germany and ca. 30% in Austria.
- Investment capital for Development to sell is not part of investment program.
- Average apartment size between 70-80 sqm.
- Average investment volume of ~€4.5k per sqm.
- Expected gross margin between 20-25% on average.

Pipeline with ca. 8,500 apartments

2020 target: &gt;300 completions

## Adj. NAV Growth of +0.6%

- No portfolio valuation in Q1.
- **Next portfolio valuation** planned as per **June 30** (ca. 2/3 of portfolio via the 26 largest/most dynamic German cities plus Sweden plus Vienna).
- **With the exception of Berlin**, where prices have remained flat, current indications for **all other markets suggest a fair value growth broadly in line with H1 last year** (H1 2019 I-f-I was 8.4% for portfolio revalued in Germany, 3.4% for Sweden and 3.8% for Vienna)
- This estimate is based on the **assumption** that we will continue to observe **no material COVID-19 impact by June 30**.

€m (unless indicated otherwise)	Mar. 31, 2020	Dec. 31, 2019	
Equity attributable to Vonovia's shareholders	19,376.8	19,308.3	
Deferred taxes on investment properties	10,329.5	10,288.9	
Fair value of derivative financial instruments <sup>1</sup>	76.5	79.8	
Deferred taxes on derivative financial instruments	-21.8	-22.4	
EPRA NAV	29,761.0	29,654.6	
Goodwill	-1,440.2	-1,492.7	
<b>Adj. NAV</b>	<b>28,320.8</b>	<b>28,161.9</b>	+0.6%
EPRA NAV €/share	<b>54.88</b>	<b>54.69</b>	
<b>Adj. NAV €/share</b>	<b>52.23</b>	<b>51.93</b>	+0.6%
Number of shares (eop)	542.3	542.3	

<sup>1</sup> Adjusted for effects from cross currency swaps.

# LTV well within Target Range

- Against the background of the **stable cash flows** and the **strong long-term fundamentals** in our portfolio locations, largely driven by a **structural supply/demand imbalance**, we see continued upside potential for our property values and do not see material long-term downside risks for our portfolio.
- We remain committed to our LTV target range of 40-45%.

€m (unless indicated otherwise)	Mar 31, 2020	Dec 31, 2019
Non-derivative financial liabilities	23,430.6	23,574.9
Foreign exchange rate effects	-44.0	-37.8
Cash and cash equivalents	-428.8	-500.7
Net debt	22,957.8	23,036.4
Sales receivables/prepayments	-4.9	21.4
<b>Adj. net debt</b>	<b>22,952.9</b>	<b>23,057.8</b>
Fair value of real estate portfolio	53,199.7	53,316.4
Shares in other real estate companies	148.8	149.5
<b>Adj. fair value of real estate portfolio</b>	<b>53,348.5</b>	<b>53,465.9</b>
<b>LTV</b>	<b>43.0%</b>	<b>43.1%</b>
LTV (incl. perpetual hybrid)	44.9%	45.0%
<b>Net debt/EBITDA multiple<sup>1</sup></b>	<b>11.8x</b>	<b>11.5x</b>

<sup>1</sup> Adj. net debt quarterly average over Adj. EBITDA Total (LTM), adj. for IFRS 16 effect.

## Ample Liquidity

- Cash flow from operating business remains stable and is more than sufficient to cover all operating business expenses.
- Refinancing activities in April 2020: €1.0bn unsecured bonds at a weighted average coupon of 1.9%.
- €1bn Commercial Paper Program covered by an additional €1bn Revolving Credit Facility.
- No material refinancing requirements until 12/2020 (€750m bond).

## Multiple (Re-) financing options

- The unsecured bond market remains fully open even in the COVID-19 crisis for frequent investment grade issuers like Vonovia. This was recently proven with our €1.0bn dual tranche issuance in early April 2020.
- The secured financing market is also wide open with a focus on financings with moderate LTVs and solid sponsors like Vonovia (marginally lower rates but requires substantially more time for realization).

## Rating not impacted

- Our BBB+ (S&P) and A- (Scope) ratings are not effected by the uncertainties and turbulence caused by COVID-19.



## Refinancing conditions still comparatively low

- While refinancing conditions for unsecured debt are on average ca. 80bps above the levels in early 2020, they are still comparatively low in a historical context. Furthermore it appears that financing conditions have already begun improving again.
- The high portion of unencumbered assets in our portfolio enables us to execute on our diversified funding strategy.



# Large Headroom on All Bond Covenants

Covenant	Required level	Current level (March 31, 2020)
----------	----------------	-----------------------------------

Bonds	<b>LTV</b> (Total debt / total assets)	<60%	42%	
	<b>Secured LTV</b> (Secured debt / total assets)	<45%	15%	
	<b>ICR</b> (LTM EBITDA / LTM interest expense)	>1.8x	5.0x	
	<b>Unencumbered assets</b> (Unencumbered assets / unsecured debt)	>125%	196%	

- While dealing with COVID-19 implications is rightfully receiving most of the attention also in the residential sector, managing the **megatrends** urbanization, energy efficiency and demographic change remains a **key focus for Vonovia**.
- We are not relenting in our efforts to work on solutions and continue to make good progress on our sustainability efforts. We have recently appointed a new Sustainability Director who reports directly to the CEO. Our main areas of focus and achievements include
  - ✓ further developing the ESG strategy and **prioritizing action items** (roadmap);
  - ✓ developing a **step plan** in compliance with Paris Climate Accord and for achieving CO2 neutrality by 2050;
  - ✓ finalizing the 2019 **Sustainability Report** (publication end of May);
  - ✓ participating in **ESG rankings** (focus on GRESB, CDP, Sustainalytics, RobecoSam, MSCI);
  - ✓ continuing **innovative research** towards energy efficiency;
  - ✓ **ESG targets** implemented as part of CEO's and CFO's **variable compensation**.



Equity Story  
&  
Q1 2020  
Performance  
Update  
*pages 2-14*

Business  
Overview

*pages 15-29*

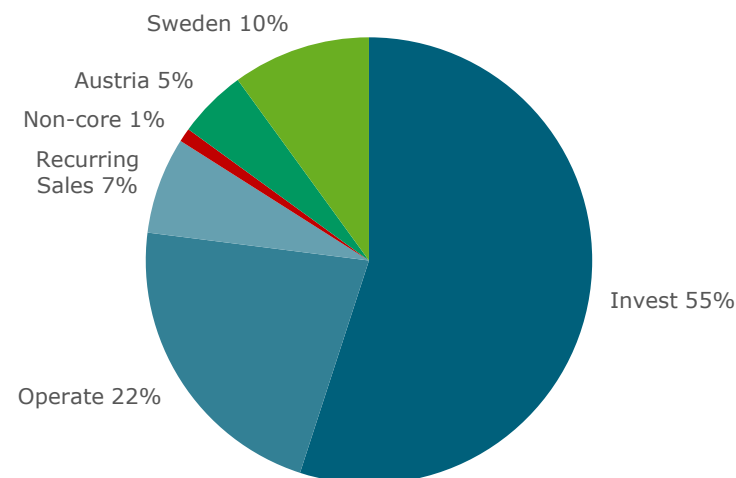
Q1 2020  
Results

*pages 30-42*

Additional  
Information

*pages 43-58*

- **55% of German portfolio earmarked for investment strategy**, safeguarding long-term sustainability of our Optimize Apartment and Upgrade Building investment strategy
- **287 non-core units** sold in Q1 2020 with a **fair value step-up of ca. 36%**, partly driven by the disposal of a commercial property



Mar 31, 2020	Fair value <sup>1</sup>			Residential	In-place rent
	(€bn)	% of total	(€/sqm)	units	(€/sqm/month)
Operate	11,059	22%	1,909	85,251	7.23
Invest	28,040	55%	1,898	238,196	6.68
Strategic	39,099	76%	1,901	323,447	6.83
Recurring Sales	3,826	7%	2,030	27,589	6.94
Non-core	477	1%	1,448	3,888	6.42
<b>Vonovia Germany</b>	<b>43,402</b>	<b>84%</b>	<b>1,905</b>	<b>354,924</b>	<b>6.83</b>
Vonovia Sweden	5,328	10%	1,794	38,089	9.20
Vonovia Austria	2,634	5%	1,453	22,310	4.65
<b>Vonovia Total</b>	<b>51,364</b>	<b>100%</b>	<b>1,864</b>	<b>415,323</b>	<b>6.94</b>

Note: In-place rents in Austria and Sweden are not fully comparable to Germany, as Sweden includes ancillary costs and Austria includes maintenance and property improvement contributions from tenants. The table above shows the rental level unadjusted to the German definition. <sup>1</sup> Fair value of the developed land excluding €2,157.2m, of which €573.3m for undeveloped land and inheritable building rights granted, €433.3m for assets under construction, €504.2m for development, €321.0m IFRS 16 effect and €315.4m for other.

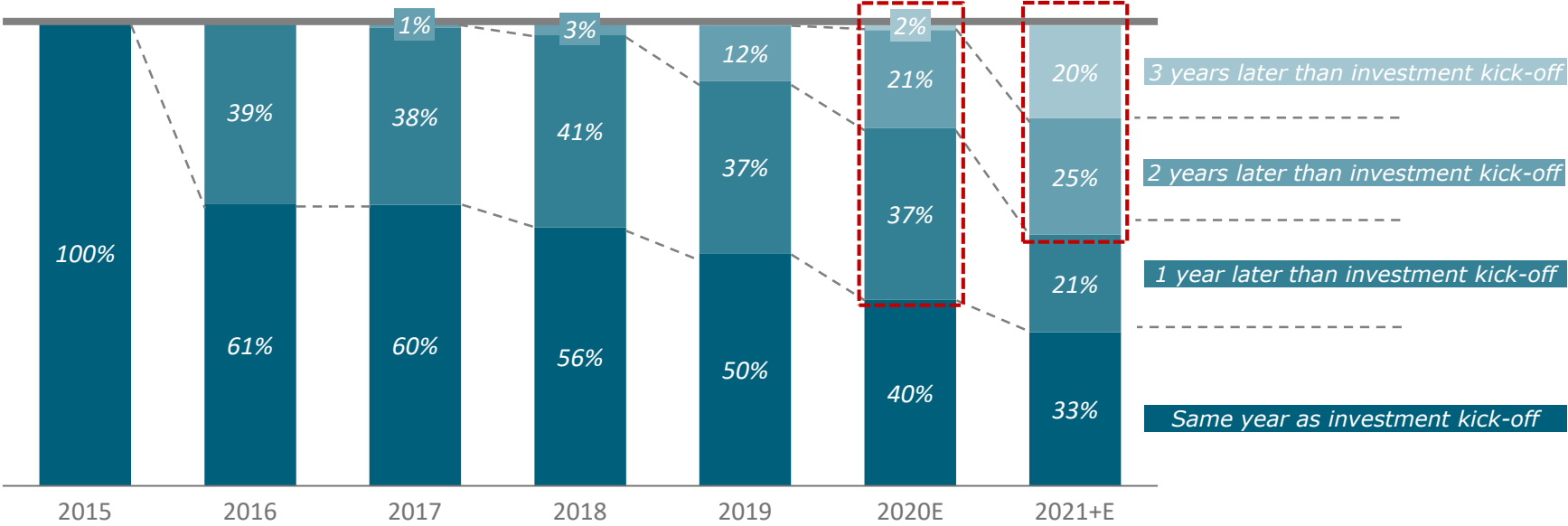
Regional Market	Fair value <sup>1</sup>		In-place rent							Purchase power index (market data) <sup>2</sup>	Market rent increase forecast Valuation (% p.a.)	Average rent growth (LTM, %) from Optimize Apartment
	(€m)	(€/sqm)	Residential units	Vacancy (%)	Total (p.a., €m)	Residential (p.a., €m)	Residential (€/sqm/month)	Organic rent growth (LTM, %)	Multiple (in-place rent)			
Berlin	7,478	2,685	42,271	1.4	230	218	6.88	3.5	32.5	81.3	1.8	47.3
Rhine Main Area (Frankfurt, Darmstadt, Wiesbaden)	4,434	2,491	27,428	1.7	179	173	8.37	3.7	24.8	105.9	1.8	29.7
Southern Ruhr Area (Dortmund, Essen, Bochum)	3,881	1,432	43,491	3.4	198	193	6.25	5.4	19.6	89.1	1.5	29.0
Rhineland (Cologne, Düsseldorf, Bonn)	3,842	1,980	28,508	2.4	169	161	7.30	3.0	22.7	100.8	1.7	27.8
Dresden	3,606	1,572	38,519	3.6	168	159	6.26	3.7	21.4	82.6	1.7	23.1
Hamburg	2,767	2,158	19,758	1.9	111	107	7.25	4.0	24.9	98.9	1.6	37.2
Munich	2,285	3,500	9,665	1.4	66	62	8.29	2.9	34.5	123.7	1.9	33.3
Stuttgart	2,127	2,393	13,753	1.7	86	82	8.06	3.4	24.9	105.7	1.8	32.4
Kiel	2,109	1,528	23,220	2.4	105	101	6.43	3.9	20.0	74.8	1.7	31.8
Hanover	1,881	1,798	16,264	2.7	84	81	6.77	4.1	22.3	90.3	1.7	29.1
Northern Ruhr Area (Duisburg, Gelsenkirchen)	1,702	1,068	25,505	3.7	110	107	5.86	3.4	15.5	81.4	1.2	29.1
Bremen	1,192	1,610	11,852	3.2	52	50	5.99	5.5	22.8	84.3	1.8	19.6
Leipzig	960	1,548	9,179	3.8	44	42	6.12	2.5	21.7	76.3	1.8	25.7
Westphalia (Münster, Osnabrück)	914	1,465	9,475	3.3	46	45	6.28	5.1	19.9	90.9	1.5	33.1
Freiburg	661	2,368	4,041	2.2	25	25	7.56	3.4	26.1	86.9	1.7	29.6
Other Strategic Locations	2,913	1,681	26,773	3.5	138	133	6.79	3.1	21.1		1.6	30.2
<b>Total Strategic Locations</b>	<b>42,754</b>	<b>1,913</b>	<b>349,702</b>	<b>2.7</b>	<b>1,813</b>	<b>1,738</b>	<b>6.84</b>	<b>3.8</b>	<b>23.6</b>		<b>1.7</b>	<b>30.9</b>
Non-Strategic Locations	647	1,511	5,222	5.9	32	28	6.49	1.7	20.4		1.7	23.1
<b>Total Germany</b>	<b>43,402</b>	<b>1,905</b>	<b>354,924</b>	<b>2.7</b>	<b>1,845</b>	<b>1,765</b>	<b>6.83</b>	<b>3.7</b>	<b>23.5</b>		<b>1.7</b>	<b>30.8</b>
Vonovia Sweden	5,328	1,794	38,089	2.6	320	293	9.20	5.0	16.7		2.0	-
Vonovia Austria	2,634	1,453	22,310	4.8	108	89	4.65	4.7	24.3		1.6	-
<b>Total</b>	<b>51,364</b>	<b>1,864</b>	<b>415,323</b>	<b>2.8</b>	<b>2,273</b>	<b>2,147</b>	<b>6.94</b>	<b>3.9</b>	<b>22.6</b>		<b>1.7</b>	<b>n/a</b>

Note: In-place rents in Austria and Sweden are not fully comparable to Germany, as Sweden includes ancillary costs and Austria includes maintenance and property improvement contributions from tenants. The table above shows the rental level unadjusted to the German definition. <sup>1</sup> Fair value of the developed land excluding €2,157.2m, of which €573.3m for undeveloped land and inheritable building rights granted, €443.3m for assets under construction, €504.2m for development, €321.0m IFRS 16 effect and €315.4m for other. <sup>2</sup> Source: GfK (2020). Data refers to the specific cities indicated in the tables, weighted by the number of households where applicable.

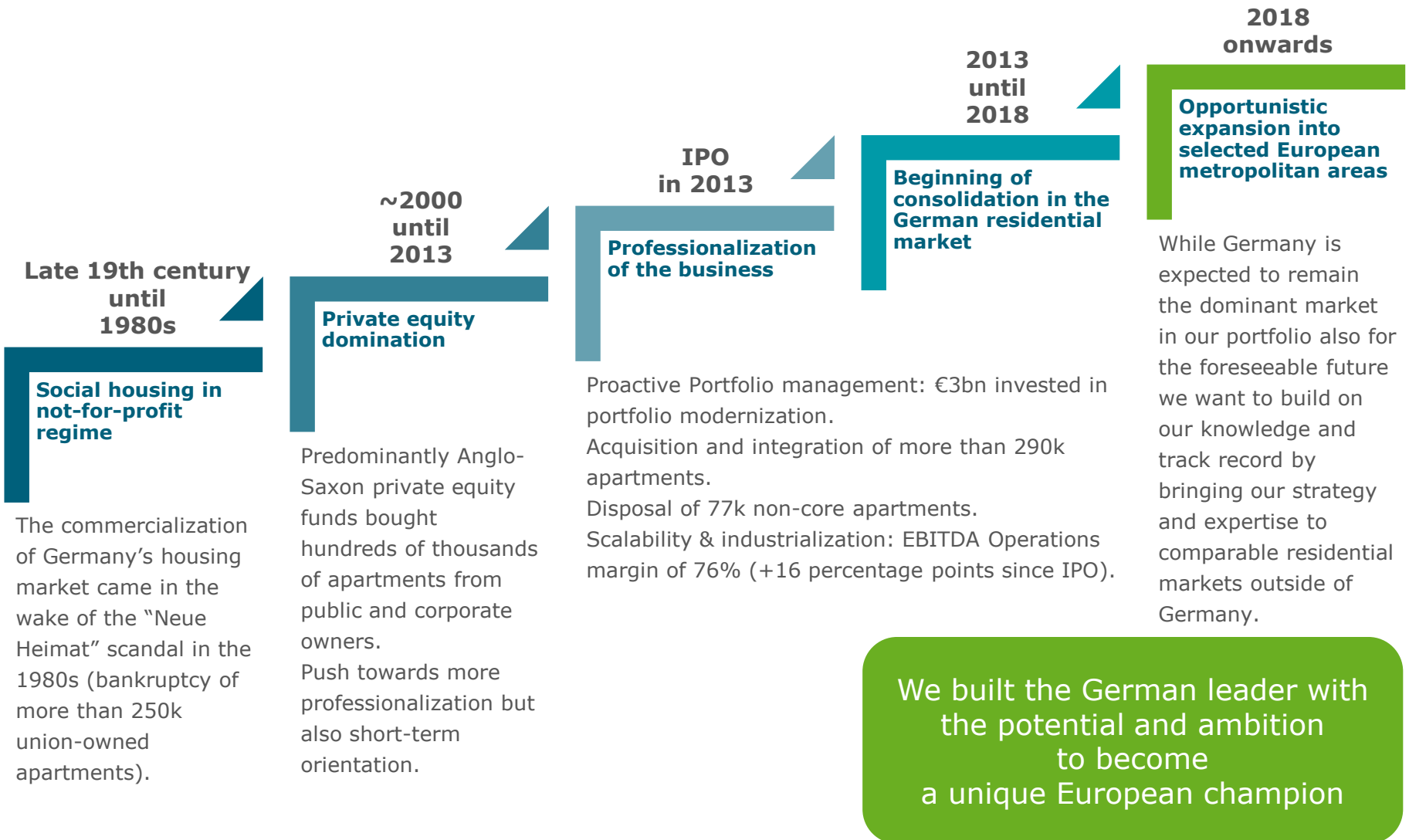
# Substantial Rent Growth Pipeline

- Increasingly **comprehensive investment projects** incl. neighborhood developments and new construction result in **more extended periods between investment and full rent growth realization.**
- 2% of 2017 investment program rent growth, 41% of 2018 investment program rent growth and 62% of 2019 investment program rent growth for an **aggregate incremental rental income of ~ €54m p.a.** are **still in the pipeline** as investments are underway but not fully completed.

**Year-by-year rent growth materialization from investment programs**



Excluding Development to Hold.



# Illustrative Overview of Investment Program Funding

	<b>Rental Income</b>
-	Maintenance expenses
-	Operating expenses
+	EBITDA Value-add
+	EBITDA Recurring Sales
+	EBITDA Development
=	<b>Total EBITDA</b>
-	Interest expenses
-	Current income taxes
-	Consolidation/non-cash items
=	<b>Group FFO</b>

- > Comprehensive investment program to drive organic growth and portfolio improvements
- > Size of investment program is calibrated to remain within LTV target range
- > Funded with retained cash, proceeds from recurring sales plus (often subsidized) loans

~70% for dividend <sup>1</sup>		~30%
cash	scrip	retained earnings

-	Capitalized maintenance
-	Hybrid coupon & minorities
-	One-offs
=	<b>Earnings available for investment program</b>

€1.3bn – €1.6bn



Including funding from KfW and EIB

2,500 units \* avg. fair value (~€138k) @30% est. gross margin

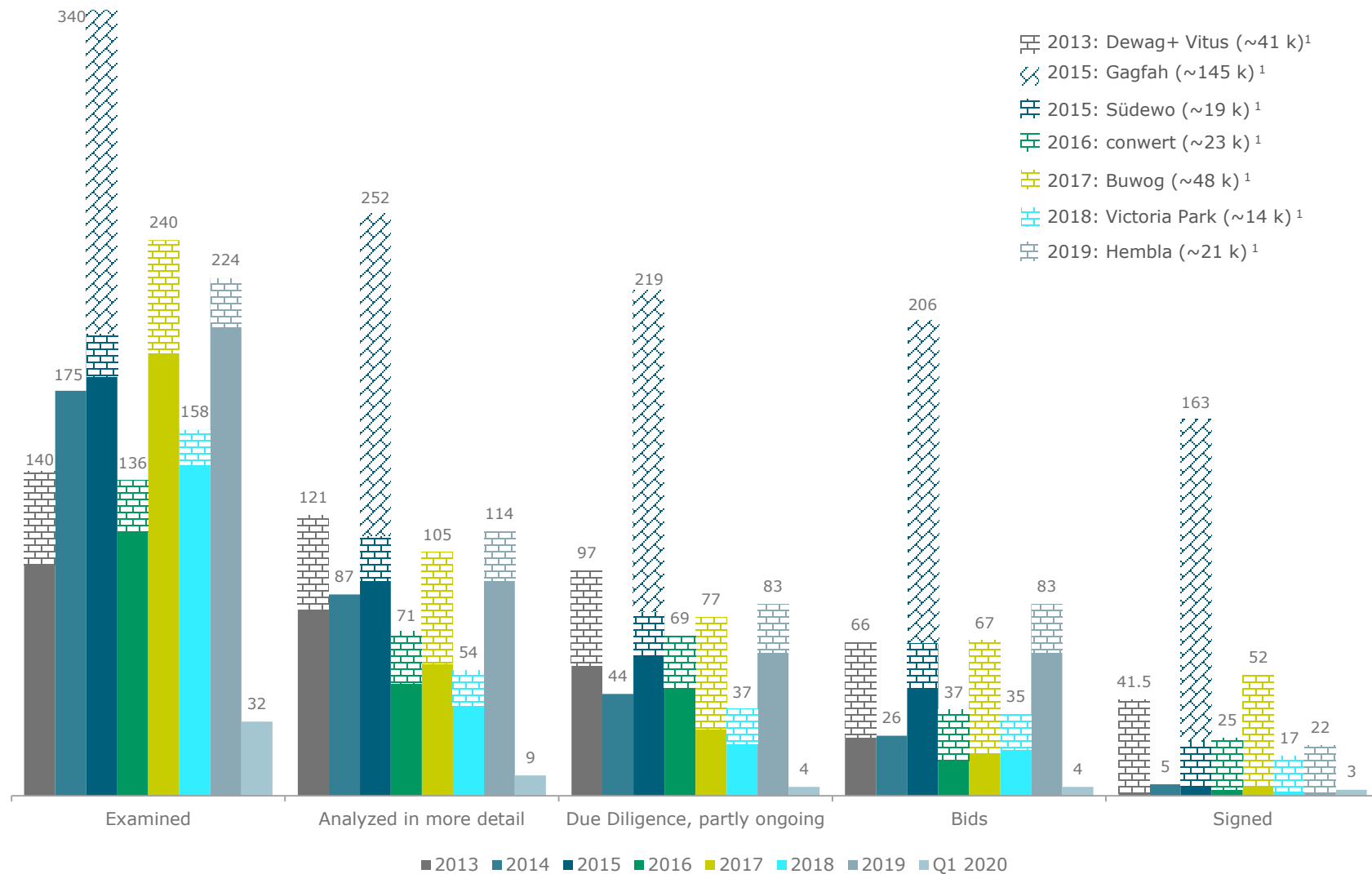
Investment Program

<sup>1</sup> Average historic cash/scrip ratio has been 55%/45% since inception in 2016



# Acquisitions – Opportunistic but Disciplined

## Acquisition pipeline ('000 units)



<sup>1</sup>Acquisitions are shown for all categories in the year the acquisition process started.

# Acquisition Track Record

## Larger acquisitions

Year	Deal	Residential units #	Locations	Fair Value per sqm		
				@ Acquisition	Mar 31, 2020	Δ
2014	DEWAG	11,300	Berlin, Hamburg, Cologne, Frankfurt/Main	€1,344	€2,499	86%
	VITUS <sup>1</sup>	20,500	Bremen, Kiel	€807	€1,553	93%
2015	GAGFAH	144,600	Dresden, Berlin, Hamburg	€889	€1,835	106%
	FRANCONIA	4,100	Berlin, Dresden	€1,044	€2,123	103%
	SÜDEWO	19,400	Stuttgart, Karlsruhe, Mannheim, Ulm	€1,380	€2,205	60%
2016	GRAINGER	2,400	Munich, Mannheim	€1,501	€2,472	65%
2017	CONWERT (Germany & Austria)	23,400	Berlin, Leipzig, Potsdam, Vienna	€1,353	€2,059	52%
	thereof Germany	21,200	Berlin, Leipzig, Potsdam	€1,218	€1,962	61%
	thereof Austria	2,200	Vienna	€1,986	€2,564	29%
	PROIMMO	1,000	Hanover	€1,617	€1,887	17%
2018	BUWOG (Germany & Austria)	48,300	Berlin, Lübeck, Vienna, Villach	€1,244	€1,514	22%
	thereof Germany	27,000	Berlin, Lübeck, Kiel	€1,330	€1,742	31%
	thereof Austria	21,300	Vienna, Villach, Graz	€1,157	€1,291	12%
	VICTORIA PARK (Sweden)	14,000	Stockholm, Malmö, Gothenburg	SEK15,286	SEK18,122	19%
2019	AKELIUS (Sweden)	2,300	Stockholm, Gothenburg	SEK25,933	SEK27,158	5%
	HEMBLA (Sweden)	21,400	Stockholm	SEK20,157	SEK20,158	0%
<b>Total</b>		<b>312,700</b>				

Note: Excluding smaller tactical acquisitions. <sup>1</sup> Net of subportfolio sold right after the acquisition

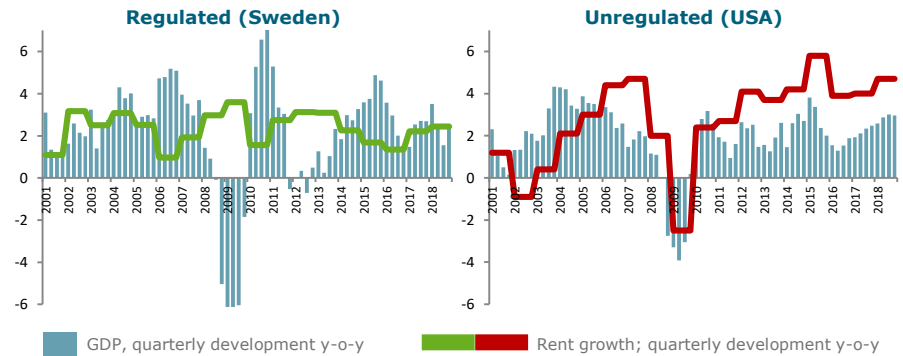
# Long-term Structural Support from Fundamental Residential Market Trends (Sweden)

The market fundamentals in Sweden are very comparable to Germany

High degree of similarities in terms of urbanization, rental regulation, supply/demand imbalance and gap between in-place values and replacement values

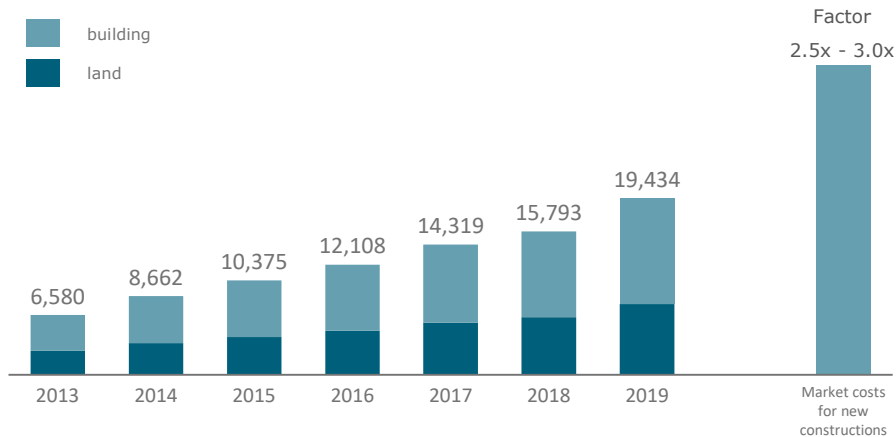
## Robust rent growth in regulated environments<sup>1</sup>

Rent growth in **regulated markets** follows a sustainable upward trajectory and is largely independent from GDP developments; rents in **unregulated markets go up and down** broadly in line with the GDP development



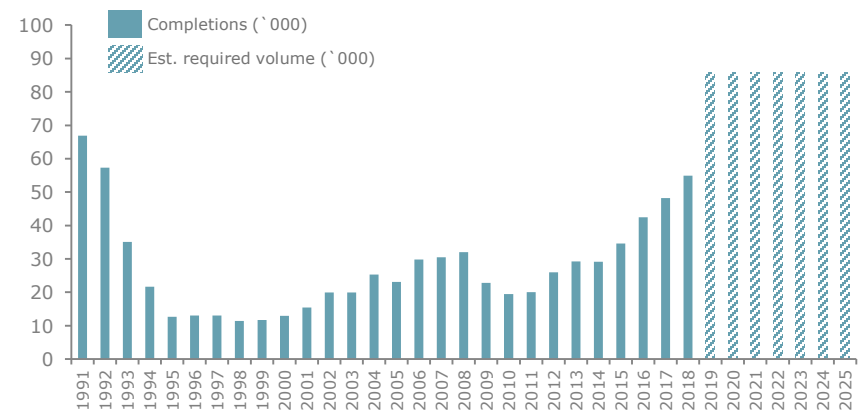
## Large gap between in-place values and replacement costs<sup>2</sup>

**Victoria Park<sup>3</sup>** – fair value/sqm (SEK; total lettable area) vs. construction costs



## Structural supply/demand imbalance

Sweden's average annual residential completions of the last five years fall short of estimated required volumes



<sup>1</sup> Sources: REIS, BofA Merrill Lynch Global Research, OECD, Statistics Sweden. Note: Due to lack of q-o-q rent growth data for the US and Sweden, the annual rent growth for a year is assumed to also be the q-o-q rent growth of that year. <sup>2</sup> Note: The land value refers to the share of total fair value allocated to land. Allocation between building and land in Sweden assumed to be similar to Germany. Sources: Swedish National Board of Housing, Building and Planning, Statistics Sweden. <sup>3</sup> 2019 includes portfolio acquired from Akelius.

# Residential Market Fundamentals (Germany)

## Household Sizes and Ownership Structure

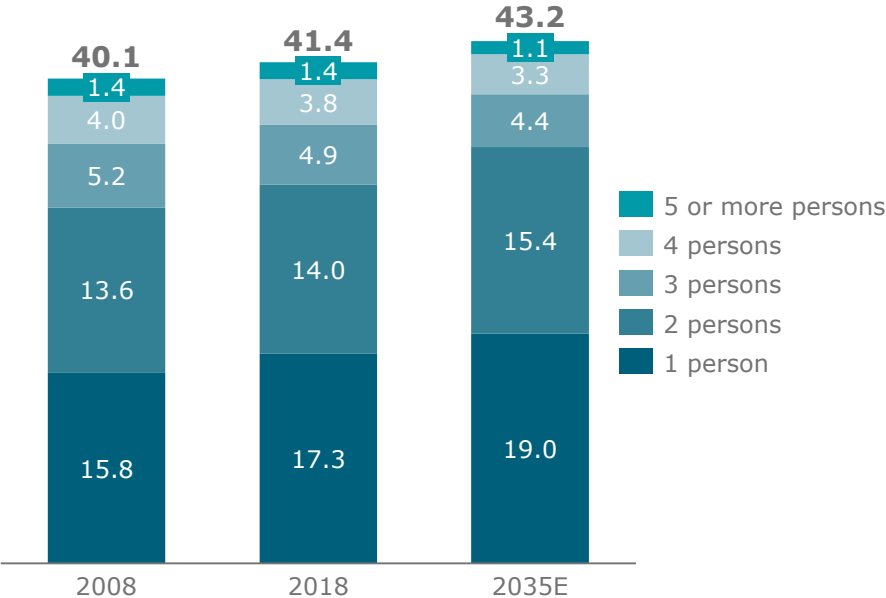
### Growing number of smaller households

- While the overall population in Germany is expected to slightly decline, the number of households is forecast to grow until at least 2035 with a clear trend towards smaller households.
- The household growth is driven by various demographic and social trends including divorce rates, employment mobility etc.

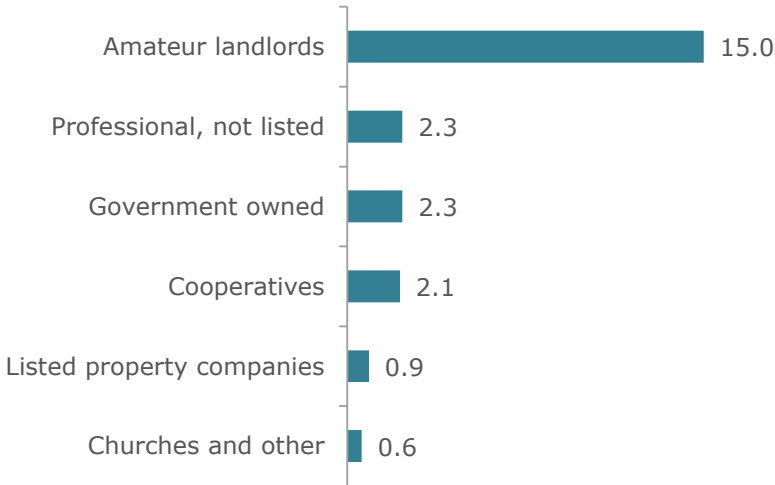
### Fragmented ownership structure

- Germany is the largest housing market in Europe with ~42m housing units, of which ~23m are rental units.
- Ownership structure is highly fragmented and majority of owners are non-professional landlords.
- Listed sector represents ~4% of total rental market.

Distribution of household sizes (million)

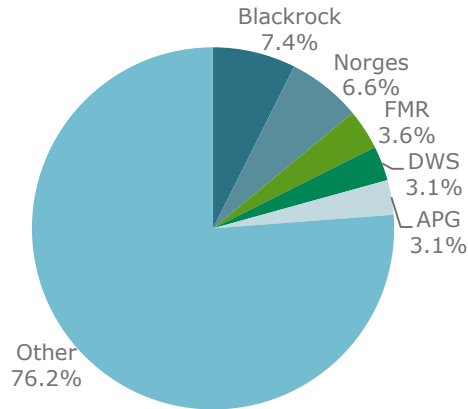


Ownership structure (million units)



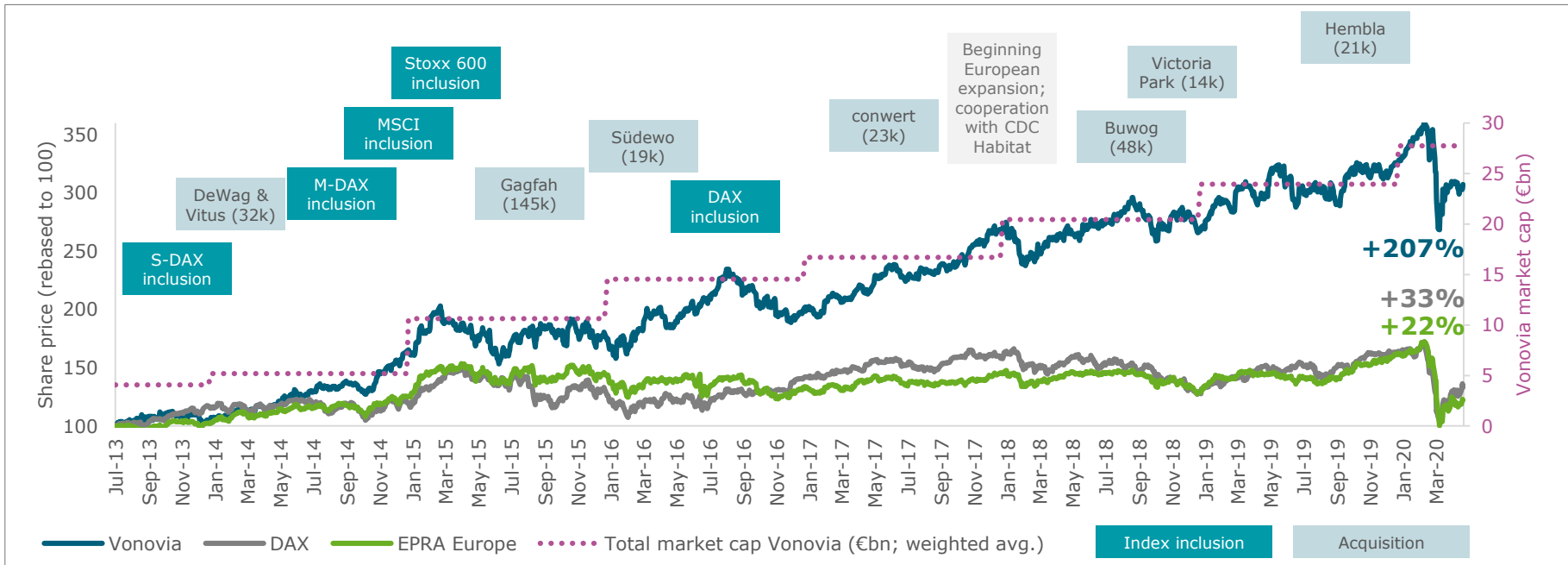
Sources: German Federal Statistics Office, GdW (German Association of Professional Homeowners). 2035E household numbers are based on trend scenario of the German Federal Statistics Office.

# Liquid Large-cap Stock



According to German law the lowest threshold for voting rights notifications is at 3%

First day of trading	July 11, 2013
No. of shares outstanding	542.3 million
Free float	93.4%
ISIN	DE000A1ML7J1
Ticker symbol	VNA
Share class	Registered shares with no par value
Main listing	Frankfurt Stock Exchange
Market segment	Regulated Market, Prime Standard
Major indices	DAX, Stoxx Europe 600, MSCI, GPR 250 World, FTSE EPRA/NAREIT Europe, GPTMS150



Source: Factset, company data; VNA performance is total shareholder return (share price plus dividends reinvested)

## Corporate Investment grade rating

Rating agency	Rating	Outlook	Last Update
Scope	A-	Stable	13 Dec 2019
Standard & Poor's	BBB+	Stable	06 Apr 2020

## Bond ratings

Name	Tenor & Coupon	ISIN	Amount	Issue price	Coupon	Final Maturity Date
Bond 023B (EMTN)	10 years 2.250%	DE000A28VQD2	€ 500m	98.908%	2.250%	07 Apr 2030
Bond 023A (EMTN)	4 years 1.625%	DE000A28VQC4	€ 500m	99.831%	1.625%	07 Apr 2024
Bond 022C (EMTN)	20 years 1.625%	DE000A2R8NE1	€ 500m	98.105%	1.625%	07 Oct 2039
Bond 022B (EMTN)	8 years 0.625%	DE000A2R8ND3	€ 500m	98.941%	0.625%	07 Oct 2027
Bond 022A (EMTN)	3.5 years 0.125%	DE000A2R8NC5	€ 500m	99.882%	0.125%	06 Apr 2023
Bond 021B (EMTN)	15 years 1.125%	DE000A2R7JE1	€ 500m	99.822%	1.125%	14 Sep 2034
Bond 021A (EMTN)	10 years 0.500%	DE000A2R7JD3	€ 500m	98.965%	0.500%	14 Sep 2029
Bond 020 (EMTN)	6.5 years 1.800%	DE000A2RWZZ6	€ 500m	99.836%	1.800%	29 Jun 2025
Bond 019 (EMTN)	5 years 0.875%	DE000A192ZH7	€ 500m	99.437%	0.875%	03 Jul 2023
Bond 018D (EMTN)	20 years 2.750%	DE000A19X8C0	€ 500m	97.896%	2.750%	22 Mar 2038
Bond 018C (EMTN)	12 years 2.125%	DE000A19X8B2	€ 500m	98.967%	2.125%	22 Mar 2030
Bond 018B (EMTN)	8 years 1.500%	DE000A19X8A4	€ 700m <sup>(1)</sup>	101.119%	1.500%	22 Mar 2026
Bond 018A (EMTN)	4.75 years 3M EURIBOR+0.450%	DE000A19X793	€ 600m	100.000%	0.793% hedged	22 Dec 2022
Bond 017B (EMTN)	10 years 1.500%	DE000A19UR79	€ 500m	99.439%	1.500%	14 Jan 2028
Bond 017A (EMTN)	6 years 0.750%	DE000A19UR61	€ 500m	99.330%	0.750%	15 Jan 2024
Bond 015 (EMTN)	8 years 1.125%	DE000A19NS93	€ 500m	99.386%	1.125%	08 Sep 2025
Bond 014B (EMTN)	10 years 1.750%	DE000A19B8E2	€ 500m	99.266%	1.750%	25 Jan 2027
Bond 014A (EMTN)	5 years 0.750%	DE000A19B8D4	€ 500m	99.863%	0.750%	25 Jan 2022
Bond 013 (EMTN)	8 years 1.250%	DE000A189ZX0	€ 1,000m	99.037%	1.250%	06 Dec 2024
Bond 011B (EMTN)	10 years 1.500%	DE000A182VT2	€ 500m	99.165%	1.5000%	10 Jun 2026
Bond 011A (EMTN)	6 years 0.875%	DE000A182VS4	€ 500m	99.530%	0.875%	10 Jun 2022
Bond 010C (EMTN)	8 years 2.250%	DE000A18V146	€ 1,000m	99.085%	2.2500%	15 Dec 2023
Bond 010B (EMTN)	5 years 1.625%	DE000A18V138	€ 752m <sup>(2)</sup>	99.852%	1.625%	15 Dec 2020
Bond 009B (EMTN)	10 years 1.500%	DE000A1ZY989	€ 500m	98.455%	1.5000%	31 Mar 2025
Bond 008 (Hybrid)	perpetual 4%	XS1117300837	€ 1,000m	100.000%	4.000%	perpetual
Bond 007 (EMTN)	8 years 2.125%	DE000A1ZLUN1	€ 500m	99.412%	2.125%	09 July 2022
Bond 005 (EMTN)	8 years 3.625%	DE000A1HRVD5	€ 500m	99.843%	3.625%	08 Oct 2021
Bond 004 (USD-Bond)	10 years 5.000%	US25155FAB22	USD 250m	98.993%	4.580% <sup>(3)</sup>	02 Oct 2023

<sup>(1)</sup> Nominal amount incl. tap bond €200m in Feb 2020

<sup>(2)</sup> Nominal amount outstanding after Liability Management in Sep 2019

<sup>(3)</sup> EUR-equivalent Coupon



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## App & Website



<https://investors.vonovia.de>



## Financial Calendar 2020

June 04	DB Access Berlin Conference, Berlin (Deutsche Bank) - <i>VIRTUAL</i>
June 09	European CEO Conference, Paris (Exane) - <i>VIRTUAL</i>
June 10	European Financials Conference, Rome (Goldman Sachs) - <i>VIRTUAL</i>
June 17	German & Austrian Property Day, Paris (KeplerCheuvreux) <sup>1</sup> - <i>VIRTUAL</i>
June 18	Europe & EEMEA Property Conference, London (Morgan Stanley) - <i>VIRTUAL</i>
<b>June 30</b>	<b>Annual General Meeting - <i>VIRTUAL</i></b>
<b>Aug 5</b>	<b>Interim results H1 2020</b>
Aug 19	Deutschlandkonferenz, Baden Baden (Bankhaus Lampe) - <i>VIRTUAL</i>
Aug 20	HSBC European Real Estate Conference, Frankfurt am Main (HSBC)
Sept 03	Corporate Conference 2020, Frankfurt (Commerzbank) <sup>1</sup>
Sept 21	German Corporate Conference 2020, Munich (Berenberg & Goldman Sachs)
Sept 24	Investment Conference 2020, Munich (Baader) <sup>1</sup>
Oct 01	Commerzbank Real Estate Forum, London (Commerzbank)
<b>Nov 4</b>	<b>Interim results 9M 2020</b>

<sup>1</sup> IR only

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