

Deutsche Wohnen AG

» Capital markets day
 20 November 2015



» Timetable

Registration	9:00
Presentations	9:30
Q&A	11:30
Lunch break	12:00
Property tour	12:45
End of tour at Tegel airport	16:30



» Strategic outlook

» What Deutsche Wohnen stands for



» Clear focus on value creation: internal growth, selected bolt-on acquisitions and efficient financing

Internal Growth	 Strong fundamentals in our residential markets Clear commitment to continue successful internal growth Re-letting crystallizing market rents (rent potential > 20% for 75% of letting portfolio) Established EUR 280m investment program to drive portfolio value Continuous optimization of platform efficiency
External Growth	 No attractive consolidation and acquisition opportunities in the listed segment Selected bolt-on acquisitions with strong anchor in Core+ Concentrated portfolio allowing efficient management Continued application of strict acquisition criteria Scarcity of acquisition opportunities as a challenge to the sector demands increased importance of asset management expertise and internal growth
Financing	 Maintain quality investment grade rating, currently A3/A- LTV target of 40-45% High share of secured bank financing to optimize interest cost

No strategy change in terms of internal and external growth: Focus on Core+ regions, concentrated portfolios and solid financing structure



» Portfolio management strategy



» Deutsche Wohnen has an established process for the strategic clustering of its portfolio

Strategy cluster	Residential units	% of total measured by fair value	In-place rent ^(a) 30/09/2015 EUR/sqm/month	Rent potential ^(b) 30/09/2015	Vacancy 30/09/2015
Strategic core and growth regions	143,960	99%	5.85	20.3%	2.0%
Core ⁺	128,551	91%	5.90	22.8%	1.9%
Operate	106,054	75%	5.93	21.6%	1.4%
Develop	17,026	11%	5.71	30.7%	3.1%
Dispose	5,471	4%	5.84		7.9%
Core	15,409	8%	5.47	9.9%	2.5%
Operate	14,162	7%	5.47	9.9%	2.4%
Dispose	1,247	1%	5.42		3.7%

Operate	 Significant rent upside in operating segment through re-letting and rent-index with limited investments
Develop	 Total EUR 400m investment program in Core+ regions to unlock more than 30% rent potential and to realize inherent value-upside (thereof EUR 280m in the next 4 years)
Disposal	 Use of attractive market environment to crystallize value through privatization and opportunistic block sales

Notes: (a) Contractually owed rent from rented apartments divided by rented area; (b) Unrestricted residential units (letting portfolio); rent potential = New-letting rent compared to in-place rent (letting portfolio)

» Deutsche Wohnen's active portfolio management is based on an analytical scoring approach



- Asset-by-asset strategy approach
- Efficient scoring and clustering approach focussing on key KPI's
- Zoom in on strategic Core and Core+ regions and highly concentrated locations
- Scoring model covers all relevant aspects

» Macro scoring model to rate the housing market

Key scoring parameters

Historic real estate data

- Change in households
- Change in-place rent
- Population growth

Prognostic real estate data

Population and household prognoses

Macro economic data

- Unemployment rate
- Change in unemployment rate
- Purchase power per capita
- Change in purchase power

Infrastructure data

- Students per inhabitants
- Change students per inhabitants
- High qualified employees per inhabitants



» Micro scoring structure to rate the specific asset



Scoring provides the basis for portfolio decisions (invest, operate, dispose, buy)

» Micro scoring structure example - simple, important key figures



1) Based on average over three years

» Ongoing portfolio optimization supported by scoring



» TOP – Best score settlements – 20% of our properties are listed

Carl Legien, Berlin-Prenzlauer Berg



Scoring output

Score	1.9
Rank	1 / 2,149
Performance	1.6
Condition	2.2
Location	2.3
Key data	
Residential units	1,145
In-place rent (EUR/sqm/month)	7.03
New-letting rent (EUR/sqm/month)	8.85
Fair value (EUR/sqm)	1,752

Onkel-Toms-Hütte, Berlin-Zehlendorf

Scoring output

Score	2.2
Rank	29 / 2,149
Performance	1.8
Condition	2.3
Location	2.6
Key data	
Residential units	1,195
In-place rent (EUR/sqm/month)	7.33
New-letting rent (EUR/sqm/month)	9.08
Fair value (EUR/sqm)	1,850

Krankenhausviertel, Berlin Pankow



Scoring output

Score	2.5
Rank	107 / 2,149
Performance	2.4
Condition	2.5
Location	2.4
Key data	
Residential units	1,473
In-place rent (EUR/sqm/month)	6.43
New-letting rent (EUR/sqm/month)	8.06
Fair value (EUR/sqm)	1,528

» FAMOUS – 5% of our properties are world cultural heritage

Hufeisensiedlung, Berlin, Britz



Scoring output

Score	2.6
Rank	200 / 2,149
Performance	2.1
Condition	3.3
Location	2.3
Key data	
Residential units	1,682
In-place rent (EUR/sqm/month)	6.21
New-letting rent (EUR/sqm/month)	7.52
Fair value (EUR/sqm)	1,379

Weiße Stadt, Berlin Reinickendorf

Scoring output

Score	2.6
Rank	241 / 2,149
Performance	2.4
Condition	3.3
Location	2.4
Key data	
Residential units	1,201
In-place rent (EUR/sqm/month)	5.93
New-letting rent (EUR/sqm/month)	6.62
Fair value (EUR/sqm)	1,045

Siemensstadt, Berlin Spandau/ Charlottenburg-Wilmersdorf



Scoring output

Score	2.6
Rank	222 / 2,149
Performance	2.6
Condition	3.2
Location	2.2
Key data	
Residential units	3,636
In-place rent (EUR/sqm/month)	5.70
New-letting rent (EUR/sqm/month)	7.13
Fair value (EUR/sqm)	1,159

» FLOP – Worst score settlements

Hellersdorfer Promenade, Berlin-Hellersdorf



Scoring output

Score	3.7		
Rank	1,933 / 2,149		
Performance	2.9		
Condition	4.5		
Location	3.1		
Key data ^(a)			
Residential units	1,148		
In-place rent (EUR/sqm/month)	~4.00		
Market rent (EUR/sqm/month)	4.80		
Purchase price (EUR/sqm)	536		

Volksparkviertel Lichtenrade, Berlin-Tempelhof-Schöneberg



Scoring output

Score	4.0
Rank	2,098 / 2,149
Performance	4.6
Condition	3.9
Location	3.3
Key data	
Residential units	864
In-place rent (EUR/sqm/month)	5.09
Market rent (EUR/sqm/month)	5.00
Sales price (EUR/sqm)/ margin	1,190 / 45 %

Westl. Heerstraße, Berlin-Spandau



Scoring output

Score	3.9
Rank	2,038 / 2,149
Performance	4.2
Condition	4.1
Location	3.4
Key data	
Residential units	3,286
In-place rent (EUR/sqm/month)	5.14
Market rent (EUR/sqm/month)	5.10
Sales price (EUR/sqm)	940 / 22 %

Notes: (a) at acquisition

» Development Portfolio – fundament for creating sustainable growth

Investment identification process

Portfolio management

- Development and needs of the market
- Realize rent potential (~30%)
- Change tenant structure
- Value enhancement
- Vacancy reduction
- Handle rent cap
- Optimize operating expenses

Deutsche Wohnen Portfolio

EUR 280m 2015-2018 EUR 120m after 2018 EUR 400m total invest Ø EUR 360 /sqm

Part of our program: 70% pipework restoration 60 % roof overhauling 50 % thermal insulation

 → solving future problems, invest in our intrinsic value
 +
 Upgrade, create new products

Technical Project Management

- Condition enhancement
- Development potential
- Capex backlog
- Maintenance needs
- Eliminate toxic substances
- Energy efficiency
- Flexibility of products



Overview of projects in Berlin

Preference for long term value creation instead of short term yield consideration

deutsche-wohnen.com

work in progress

proiected



» Technical project management

» Long-standing experience in technical project management



Deutsche Wohnen creates, adapts and preserves buildings and living spaces in order to ensure sustainable demand for its product and to optimise property management and maintenance costs

» Stringent project management process ensures seamless execution



Deutsche Wohnen has experienced architects and engineers as well as a network of planners and firms from the region stand for competence and flexibility

» Reasonable use of standardization to drive efficiency



Individual planning for projects, while standardizing processes

» In-depth technical knowledge of our assets is essential



Technical portfolio analysis

- 150,000 apartments
- 2,000 business entities
- 50 construction components

- Modernization potential
- Maintenance needs
- Identifying technical risks

Device and inspection app



Information management via custom developed in-house app for on-site inspection



» Sample projects

» Hellersdorfer Promenade – enhancing value





Background & KPI's							
History		 ~1,150 apartments in Berlin- Hellersdorf Acquired in 2013 	Unrefurbished prefabricated buildings	~4 (in-place)	~540 (11x IPR)		
Present		Started modernization in 2014Work in progress	Changing appearance	4.80 (in-place)	-		
Future		 Product in line with market Rent significantly increased Vacancy reduced 	Revitalized settlement	>6.5	~1,300 (40% uplift)		

» Hellersdorfer Promenade – enhancing value

Overview of project





Technical background

Modernization

- Built in the 1980ies
- Prefabricated building
- Renovation of technical building equipment
- Insulation of the facade
- Balconies added
- Renewal of heating system (central heating)
- EUR 35m total investment
- EUR 420 per sqm

Thermal insulation composite system

- Can be added onto an existing façade
- Consists of:
 - 1cm adhesive filler
 - 10cm mineral façade
 - insulation panel
 - 0.5cm adhesive filler
 - 0.5cm plaster



» Kreuzberg – creating a new residential quarter





Background & KPI's						
					Rent (EUR / sqm / month)	FV (EUR / sqm)
History		Social housing from the 60ies & 70ies at the edge of West-Berlin High riser, socially troubled area, rent restrictions, weak appearance	Welfare for tenants		<5 (in-place)	-
Present		Located in the heart of Berlin Rent restriction expired but limited in-place-rent development Re-letting with 30-40% upside shows potential	Cash cow with capex backlog		>8 (re-letting)	c. 1,300
Future	•	Energetic modernization, revitalization and densification with attic apartments and additional buildings	Attractive City Apartments		>12 (market)	>4,500 (market sales)

» Kreuzberg – creating a new residential quarter

Overview of project



Technical background

Modernization

- Built in the 1960ies
- Renovation of technical building equipment
- Energetic refurbishment
- New outdoor facilities
- EUR 83m investment, EUR 550 per sqm

Redensification

- Redensification and attics for 400 new apartments
- EUR 67m total volume
- EUR 2,400 per sqm



» Potsdam – new construction and modernization



>5,000

(market

sales)

» Potsdam – modernization

Overview of project





Technical background

Modernization

- Built in the 1930ies
- Renovation of technical building equipment
- Renewal and insulation of the roof
- Bathroom refurbishment
- Renewal of heating system
- New outdoor facilities
- EUR 3m total investment
- EUR 620 per sqm





» Potsdam – new construction

Overview of project



Technical background

New construction

- 91 apartments (25 barrier free)
- 12 town houses
- 3 elevators
- Flexible plots
- Floor heating
- Mineral insulation
- Loggia / balconies
- Parquet floor
- EUR 20m investment
- EUR 2,200 per sqm construction cost



» Long term new construction potential

		Quickly realizable	Large projects
ha	Plot size	61 ha	105 ha
	Number of apartments	c. 1,700 units	c. 7,000 units
m ²	Living space	c. 105,000 sqm	c. 500,000 sqm
E	Invest	c. EUR 300m	c. EUR 1,300m



» Property management

» Property management in numbers

Central Functions

Berlin & Frankfurt 230 Employees

- Responsibilities:
 - Rent development and operating cost management
 - _ Receivables management
 - _ Service center
- KPIs:
 - Lfl-rental-growth without re-letting of 2.2% in 2015
 - _ Rental loss c. 0.6% on gross rents
 - _ Ø 2,500 calls per day handled by service center

Local Functions

16 Service points with 5,000 to 12,000 units each 335 Employees

- Responsibilities:
 - _ Re-letting
 - Commercial services
 - Technical services
- KPIs:
 - Vacancy rate: 2.1%
 - _ Lfl-rental growth of 1.3%
 - _ Re-letting: Average ROI of >15%
 - 12,000 new contracts p.a.

Flexibility requirement to adjust the process, depending on product and market

Avoid interfaces for higher efficiency

» Property management is focused on rental growth

			Current regulations	Modernization
		New contracts	 Generally market rent level (no limit) In tight housing markets "local customary rent" + 10% 	Upgrading apartments (demand driven)
Unrestricted units		Existing contracts	 Maximum increase of 15% in 4 years (Berlin) Not higher than the so called "local customary rent" proven by: Official rent table (Mietspiegel) or 3 comparable apartments or A report of an official surveyor Or Lease contracts with: indexation bound to CPI; graduated rents 	To improve equipment of the building or apartment to get into a better cluster of the Mietspiegel (allowing for a higher rent)
			 In case of modernization works: 11% of the modernization cost can be charged to the tenant (per sqm/ per month) 	Complex projects (mainly complete refurbishments)
 Cost rent principle – only changes of the cost rent allow rent increases Cost rent calculation strictly regulated by law Many different social housing programs with special calculation rules 				

» Standardized process for repairs ensuring efficient daily business



Only ~2% total cost increase since implementation in 2007, current pricing locked in until 2019

» Efficient but individual re-letting investment



» What is a service provider?



 Many established players with 40-600k units under management (each)
 Competitive market in areas with high portfolio concentration
 Main service components:
 Coordination of works (maintenance, capex, refurbishment)
_ Call center
_ Logistics & Material
_ Staff
 Execution of facility management work

High specialization, purchasing power and cost efficiency are the basis for established market participants

Landlord

Business model: Technical Facility Management

- In general: same approach of standardization and industrialization
- Main difference: allocation of opportunities and risks from HR and administrative perspective

¹⁾ Deutsche Wohnen holds 49% of B&O subsidiary through JV; B&O holds 49% in TGS



» Summary

» DW's investment approach primarily driven by value growth

Our general principle

- Generate (1) value potential which is most important and (2) rent potential
- Invest into assets with the highest rent upside (30% in our develop segment)
- Decisive is to look at the total return (value- and rental growth)

2014 / 2015e				
Cluster	Growth driver	ROI		
Operate	Rent table adj.	13% ¹⁾		
(120k units)	Re-letting	~15%		
Develop (17k units)	Value growth	>20%2)		
Total 137k units		10-15 ^{%3)}		

Operate segment (82% of total)	 Organic growth through rent-index adjustments with limited investments and re-letting Spending on re-letting with ~15% ROI on average Re-letting is a core growth driver which covers on av. ~40% of annual lfl-rental growth
Develop segment (11% of total)	 EUR 280m investment program in Core+ regions to unlock more than 30% rent potential and to realize inherent value-upside (>20%) Capturing a large part of the gap to market rents through modernization resulting in a higher fluctuation Creating a new product with much higher rent multiples double digit value growth

Return based on annual IfI-rental growth of 10-15%, additional return from double digit value growth from modernisation projects

1) Based on EUR ~9 per sqm maintenance and 1.2 - 2.1% rent increase 2) On top return from rent table adj. and re-letting , 2) Excl. value growth

» Realized yields – example Onkel-Toms-Hütte

Return based on rent increases (cash yield)

- Rent increase after modernization ~30% within three years
- Yield based on total investments at ~5%, however resulting in ~9% based on market rents
- Significantly higher yield when deducting the maintenance part

Return deriving from value creation decisive

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- Based on historic evidence completely modernized Core+ properties bear a price increase potential of 20-30% with a much higher NAV growth potential
- Creation of a new product with privatization potential leads to additional price upside

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Finished in 2015	Onkel-Toms-Hütte Zehlendorf
Units	806
Investment volume in EUR m	23
Investment volume per sqm	438
Previous rent per sqm	5.8
Rent after modernization	7.5
Market rent per sqm	9.1
Rent increase ¹⁾	30%
Unlevered yield	4.6%
Unlevered yield based on market rent	9.4%

Value before mod. EUR per sqm	1,255
Rent multiplier before	19.6x
Value plus mod. EUR per sqm	1,693
Current book value EUR per sqm	1,862
Current rent multiplier	20.6x
Return from price dev. on investment	38%
Return from price dev. on GAV	13%
Estimated priv. price EUR per sqm	3,600
Add. upside EUR per sqm	1,738
Add. NAV upside	~190%

Double digit total return on investment (~5% cash yield + NAV growth based on price development)

Hidden value potential to be realized over time or by privatization (~100% uplift potential)



» Q&A

» Disclaimer

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