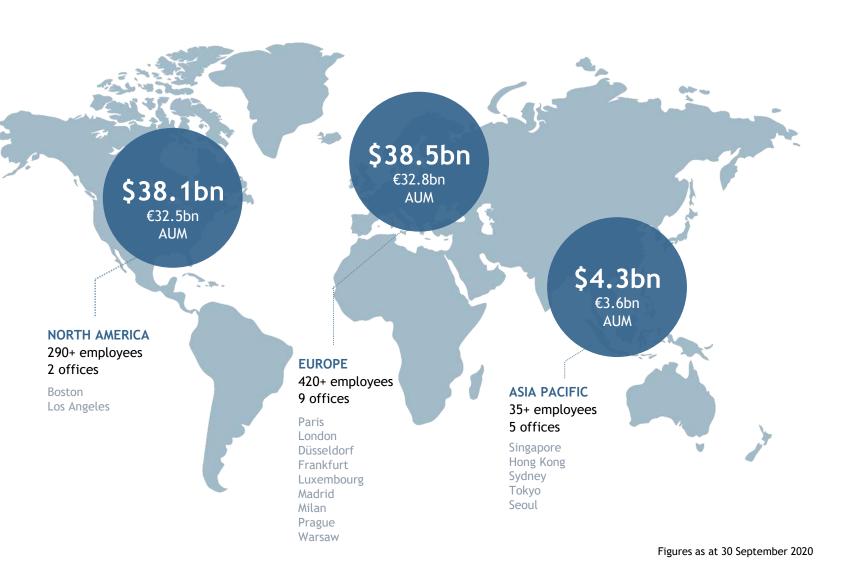
# 7<sup>th</sup> NEW DATA IN REAL ESTATE LAB 11<sup>th</sup> February 2021



## **AEW GLOBAL**

- Over 30 years' real estate investment management experience
- One of the largest real estate investment managers in the world with €80.9bn in assets under management
- Over 700 staff located in 16 offices across North America, Europe and Asia Pacific
- Broad experience across all major real estate markets and investment strategies
- Research driven approach to investment strategy and underwriting



## **AEW RESEARCH & STRATEGY**

- Experienced global research team of 14 analysts focused on forward looking market views
- Interpret economic and capital market trends to formulate actionable advice for our clients and fund managers
- Integrated at every level of decision-making process
- In-house forecasting covering 155 European market segments forms basis for proprietary analytical tools



Hans Vrensen Head of European Research & Strategy AEW







**Dennis Schoenmaker** Associate Director

**Estelle Barbary** Analyst



Irène Fossé

Director

Ismail Mejri Analyst

Hicham El Mimouni Analyst

Jean Tudor Analyst



## NEW DATA IN REAL ESTATE LAB

- Experts sharing ideas on innovative new data sources, methods and systems hosted by AEW since 2018.
- Attended by investors, academics, leading brokers, data services, starts-ups and consultants.
- Interactive forum and welcoming questions from attendees after each presentation.
- Second virtual lab due to the ongoing COVID-19 pandemic



## PRESENTERS

10:00 - 10:30 CET

French & German senior housing market trends



Julia Momotiuk Senior Research Manager BONARD 10:30 - 11:00 CET

Supply and demand in the European logistics space



Huib Vaessen Head of Research & Analytics APG



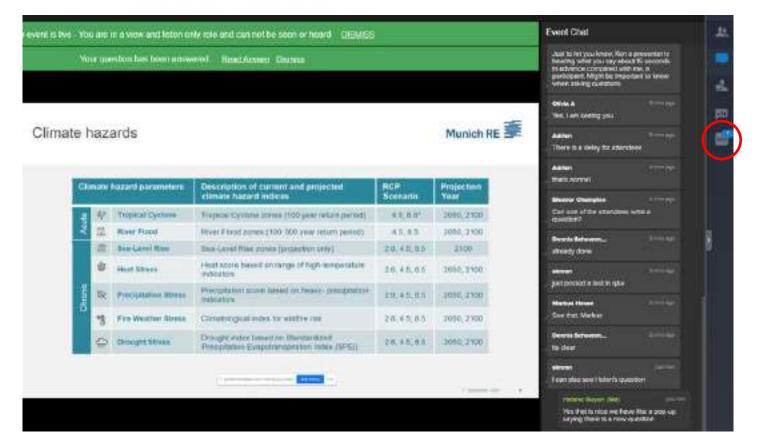
Kevin van der Wees Quantitative Portfolio Manager APG 11:00 - 11:30 CET

## European valuation analytics dashboard



Phil Tily Head of Performance Analytics Altus Group

- Please feel free to ask our presenters questions, they will answer these at the end of their sessions
- To ask a question, find the Q&A button the right hand side on your screen and type your question
- We will share these with the presenter after each session





New Data in Real Estate Lab

# FRENCH & GERMAN SENIOR HOUSING MARKET TRENDS

AEW European Research Webinar

Presented by: Julia Momotiuk Senior Research Manager, BONARD



## FRENCH & GERMAN MARKET REPORTS



- and Data Analytics

## BONARD

#### • Comprehensive study into the **French & German senior living market**

#### • Analyses and confirms growing demand and a lack of supply.

• Up-to-date insight into senior living in France & Germany, at the national level with a closer look at the top 20 locations across countries

• The initiative brings much needed **data and context** for the segment facing growing pressure due limited stock.

Data gathered through a combination of **secondary** (over 250 sources screened) and primary research (direct outreach to private residences and statistics offices via phone and email)

• Team of **10 analysts** conducted this in-depth study following the ICC/ESOMAR International Code on Market, Opinion and Social Research

• The projects were carried out in Q2 & Q4 of 2020, respectively

# **KEY FINDINGS | FRANCE**

The senior population in France is growing: the 60+ group will increase by more than 7% over the next five years

8,000 establishments for dependent people in France, with 640,000 beds



Less than 3,000 assisted living establishments, among which are just over 600 service residences





Private residences are mainly located in suburbs, due to the land scarcity and rise in value caused by competition



As regards new locations for assisted living establishments, providers are showing most interest in Angers, Lyon and Toulouse



Average monthly rate for a single studio in a private residence is €1,090 per person

# **KEY FINDINGS | GERMANY**

The share of **seniors aged 60+** in Germany will increase from 28% in 2019 to 31% in 2025



There are almost 65,000 assisted living apartments in the top 20 cities in Germany



The supply for the private commercial assisted living adds up to 22,000 apartments in the top 20 German cities ::: • • •





Increased development of residences outside the largest cities due to the availability of cheaper land and a completely unmet demand



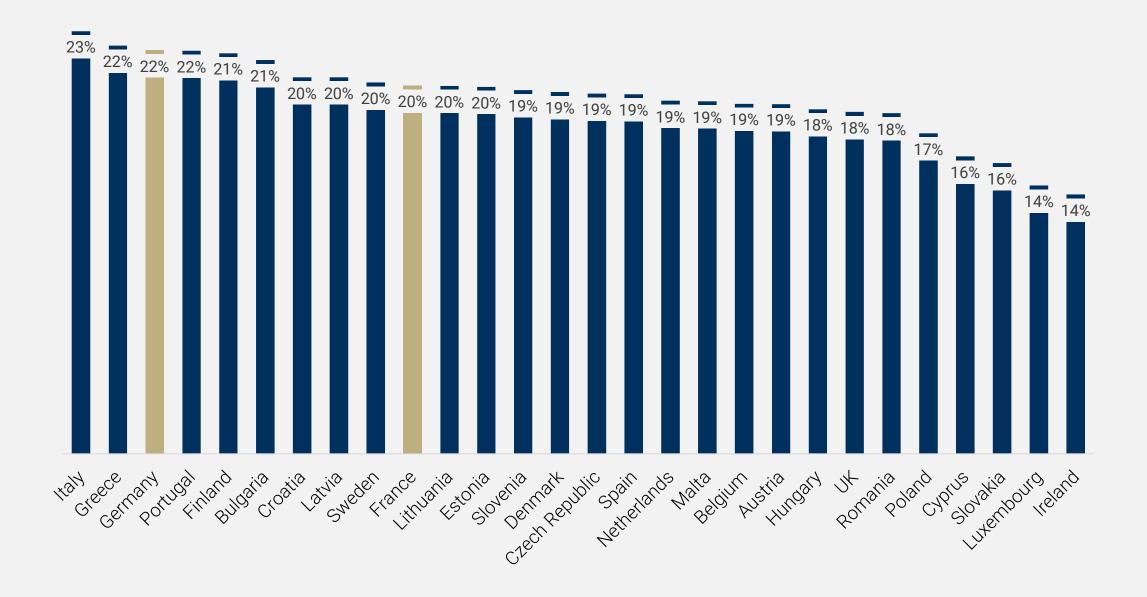
There are more than 370 senior living residences in the pipeline across Germany, offering 16,300 apartments in total, with 20% of apartments located in top 20 cities



By 2025, the provision rate will decline in almost all the top 20 cities (except Duisburg).

# **DEMOGRAPHIC OVERVIEW**

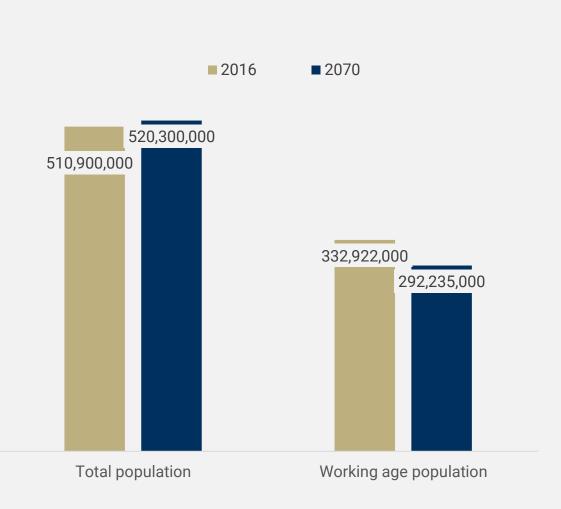
#### SHARE OF PEOPLE AGED 65+ WITHIN THE TOTAL POPULATION



SOURCE: European Commission, 2018; Eurostat, 2020; Statistikportal 2020

# BONARD

## **EU POPULATION FORECAST**



# **TYPOLOGY OF SENIOR LIVING ESTABLISHMENTS IN FRANCE**

## 1. Senior living establishments for dependent people:

- Retirement homes; EHPA (Etablissement d'Hébergement pour Personnes Âgées)
- Nursing homes for dependent people aged 60+; EHPAD •
- Hospital structures for very dependent people aged 60+ whose condition requires constant medical supervision; USLD (Unités de soins de longue durée)

## 2. Assisted senior living establishments:

- Autonomy residences (mainly public and private nonprofit autonomy establishments);
- Service residences (mainly private non-profit service residences and private commercial service residences

## 3. Independent senior living:

- Family homes
- 'Les béguinages' (formerly the homes of religious communities, now renovated to provide suitable living for the elderly);
- Intergenerational housing

## BONARD

French & German Senior Living

# **TYPOLOGY OF SENIOR LIVING ESTABLISHMENTS IN GERMANY**

## 1. Senior living establishments for dependent people:

- Ambulant betreute Wohngemeinschaften (assisted living communities);
- Pflegeheim (nursing homes).
- Regulated by authorities

### 2. Assisted senior living establishments:

- Service-Wohnen oder Betreutes Wohnen (service residences)
- Mainly private non-profit service residences and private commercial service residences.
- Regulated by authorities

### 3. Independent senior living:

- Seniorenwohnhaus (senior citizens' housing);  $\bullet$
- Gemeinschaftliches Wohnen (community living).
- Not regulated by authorities

## BONARD



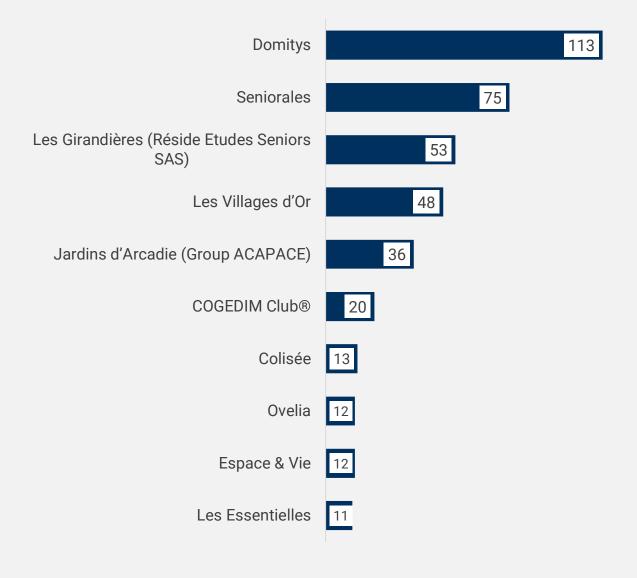
# MARKET SUPPLY | FRANCE

- In France, there are nearly **8,000 establishments** for dependent people with an overall capacity of **over 640,000 beds**.
- Nearly 3,000 assisted living establishments, among which are just over 600 service residences.
- **10 main providers** of private commercial service residences cumulatively manage over **65% of such residences in France**.

**SOURCE:** Cap Residences Seniors, 2020; individual providers



#### NUMBER OF PRIVATE COMMERCIAL SERVICE RESIDENCES BY MAIN PROVIDER



2021

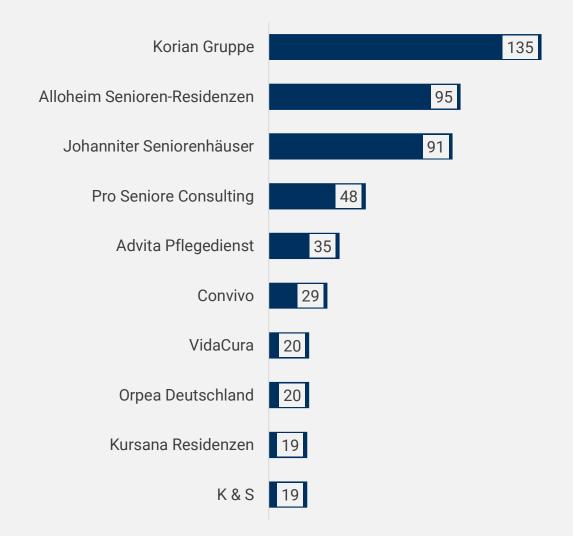
# MARKET SUPPLY | GERMANY

- Approx. 65% of assisted living residences are operated by non-profit companies
- **30%** are under the management of **private companies** •
- Remaining 5% are operated by public organisations
- **Consolidated market** by the largest providers and invested heavily in the development of their portfolio
- The activity shifted to **smaller cities** (e.g. Hamburg, Stuttgart, Bonn and Hanover)
- The top 20 cities offer approx. 65,000 apartments, which equals 22% of the total assisted living supply in the country

SOURCE: BONARD, 2020; Pflegemarkt, 2020

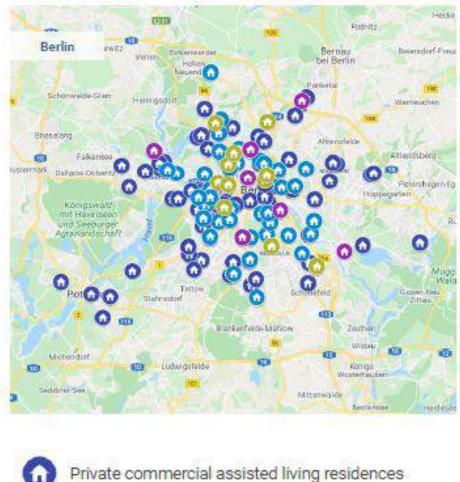


#### NUMBER OF PRIVATE COMMERCIAL SERVICE **RESIDENCES BY MAIN PROVIDER**



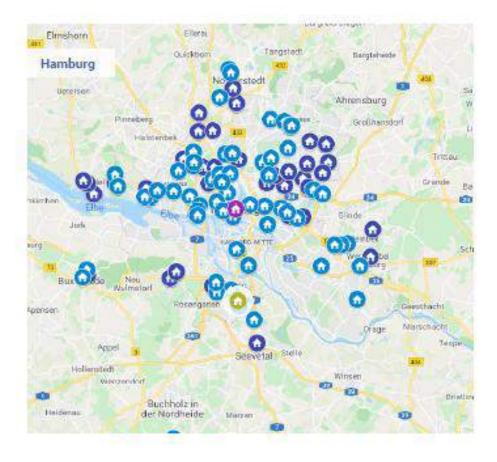
# CASE STUDY | GERMANY

#### **GEOGRAPHICAL DISTRIBUTION OF ASSISTED LIVING ESTABLISHMENTS**



Private commercial assisted living residences Private non-profit assisted living residences

Click to view a demo of the Berlin interactive map



Private commercial assisted living communities

Private non-profit assisted living communiuties

n

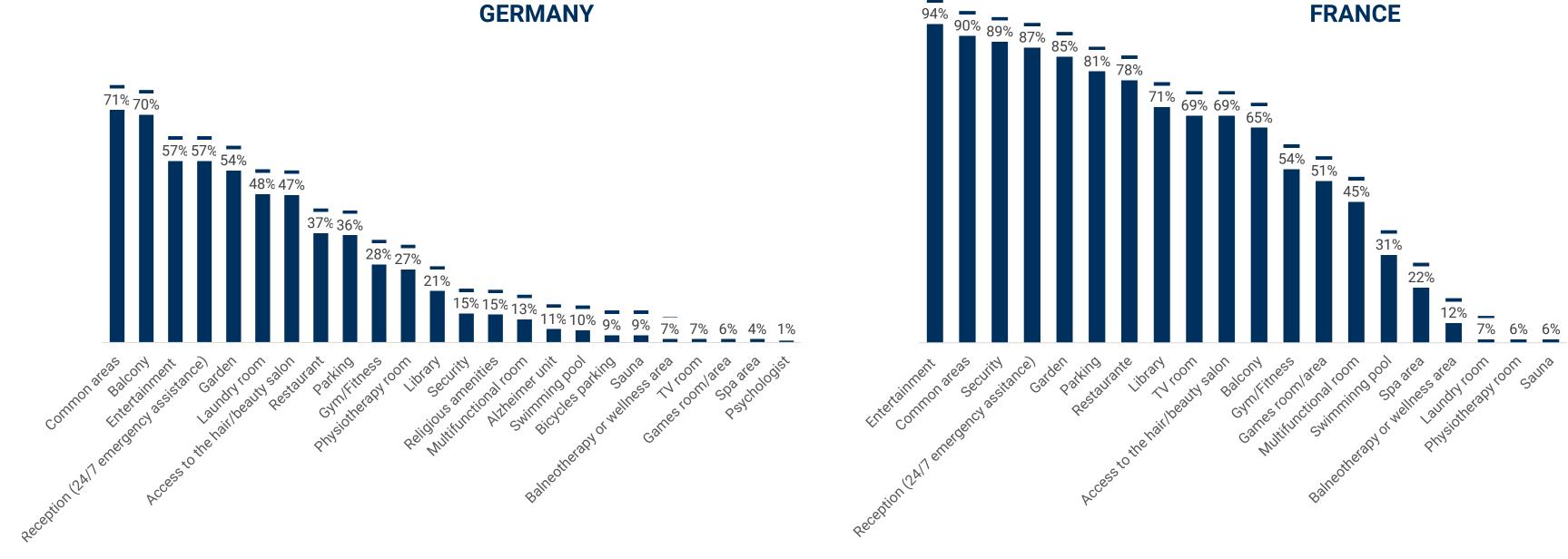
SOURCE: BONARD, 2020

# BONARD



# **PRODUCT CONCEPT**

#### SHARE OF PRIVATE COMMERCIAL SERVICE RESIDENCES OFFERING THE FOLLOWING FACILITIES



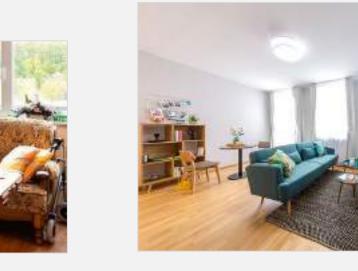
SOURCE: BONARD, 2020; based on data from 371 establishments in Germany & 125 establishments in France

# BONARD

**FRANCE** 

## **PRODUCT CONCEPT**















IMAGES ARE THE COURTESY OF: Kursana, 2020; Korian, 2020; CBT, 2020; Alloheim, 2020, Domitys, 2020; Les Girandières 2020; Senioriales, 2020; Les Jardins d'Arcadie, 2020; Heurus, 2020











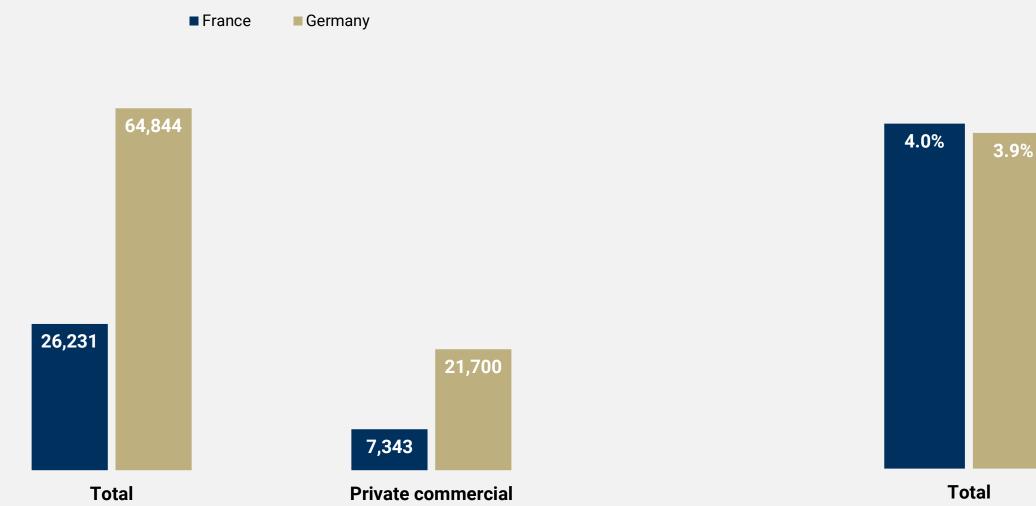


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## **BENCHMARKING | GERMANY VS FRANCE**

#### **TOP 20 CITIES: NUMBER OF APARTMENTS** (ASSISTED LIVING ESTABLISHMENTS)

**TOP 20 CITIES: PROVISION RATE** 



SOURCE: Statistikportal, 2020; Insee, 2020; BONARD, 2020

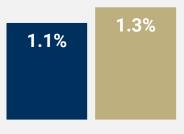
# BONARD



# (ASSISTED LIVING ESTABLISHMENTS)

France

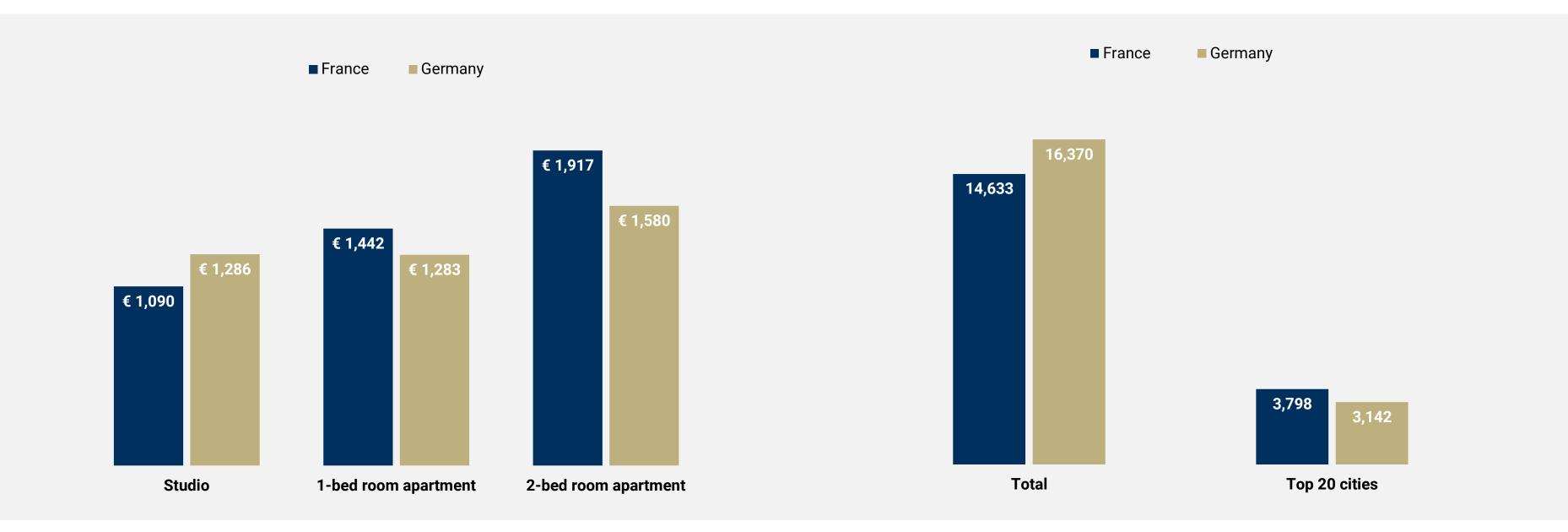
Germany



#### **Private commercial**

# **BENCHMARKING | AVG MONTHLY RENT AND PIPELINE**

#### **TOP 20 CITIES: AVERAGE MONTHLY RENT**



SOURCE: BONARD, 2020





#### NUMBER OF APARTMENTS IN THE PIPELINE

# CONCLUSIONS

- The senior living market in France & Germany has experienced considerable growth over the last years due to a rapidly and continuously aging population and a significant shortage of assisted living establishments across both country.
- The top 20 cities only supply **65,000 assisted living-type** apartments while there are 1,664,975 potential tenants aged 75+ in Germany.
- The **provision rate** in Germany does not exceed **3.9%**.
- German developers and investors are building or planning to • initiate more than **370 projects**, with a total capacity of **16,500** apartments.
- In **2025** the total **provision rate** for the top 20 cities will have inched down to 3.4%.

- apartments in France.

## BONARD

• The research has identified **433 assisted living establishments** in the top 20 cities, with a total capacity of over 26,231

With the population 75+ in the cities cumulatively accounting for 654,914 people in France, there is a clear lack of supply to meet the growing demand for assisted living residences.

With the **provision rate** ranging **from 1.7% to 9.7%** among the top 20 cities, Toulon and Nice provide the biggest opportunities for development of service residences in France.

French & German assisted living market is set to remain among the most attractive in the EU in the years to come – luring foreign and domestic investors and developers.

## **COMING SOON**





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# **ABOUT BONARD**

BONARD is a market intelligence and strategic development firm specialising in alternative asset classes. We leverage our global knowledge and local connections to help our clients grow in this vibrant market.







# **OUR CLIENTS**

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# CONTACT

For questions or comments, please contact: data@bonard.com

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# Data-driven Rental Growth Projections for Logistics

**AEW New Data in Real Estate lab** 

Kevin van der Wees & Huib Vaessen





# **Introduction APG**

One of the largest Real Estate investors in the world

€45.4BN APG Real Estate AuM – 31/12/2020

APG Real Estate is one of the largest Real Estate investors in the world, providing access to a unique deal flow

Institution Name	Country	Capital Committed to Real Extate (Stri)
Abs Shabi Investment Authority (ADIA)	United Arab Emirates	\$45.9bm
Sticking Pensioenlonds ABP (APG)	The Netherlands	\$43.2hn
Quitar Investment Authority (QIA)	Qatar	\$41.9bn
Canoda Pension Plan Investment Bound (CPP18)	Canada	\$39 7am
California Public Employees' Retirement System (CalPERS)	United States	\$37.608



Investments are made into listed and private vehicles



Day-to-day

management

is performed

by operating

partners

45 investment professionals based in Amsterdam, New York and Hong Kong

200









## Pan European Data Set

Independent Real Estate Advisory Services

AEW – Real Estate Data Lab Phil Tily – Altus Group, Head Data Analytics







Altus overview

- Objectives of the valuation database
- Unpack the change in values based on US data
- Comparative analysis
- Demonstration of European valuation data Interface

## Altus Group – Global Footprint





Leading provider of independent advisory services, software, and data solutions to the global commercial real estate industry.

Services | Software | Data

## Objectives of a Pan European Valuation Dataset

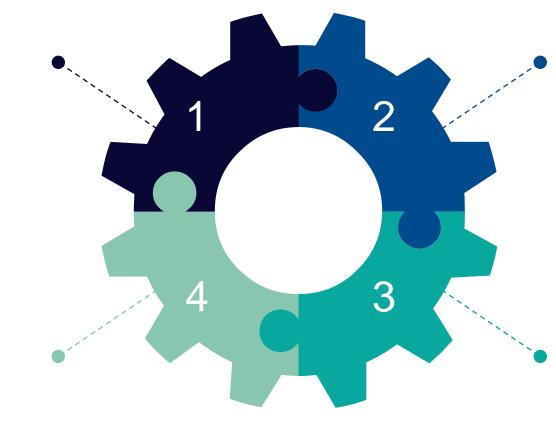


#### WHAT

WHEN

Creating a Pan-European Valuation Data Set Online Reporting Interface

Provisional timing 2021



#### WHY

Transparency, Global Consistency, Speed of Reporting, Best Practices, Valuation Quality & Accuracy

#### HOW

Participation of Leading Pan-European Fund Managers.

Minimal involvement from clients in collection process which sources valuation files and not templates



Pan-European Valuation Data Set Potential Participants	
AEW AXA Barings Blackrock Blackstone Brookfield CBRE GI Clarion Partners DWS	Fidelity Investments Hines INVESCO Lasalle Investment Management M&G Morgan Stanley Nuveen Patrizia Standard Aberdeen

## Valuation Separated From Performance

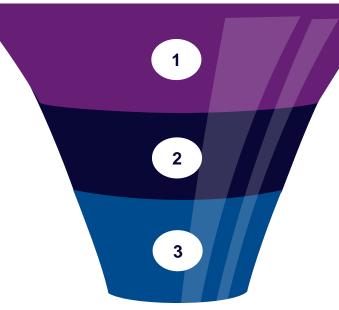


No ambitions in producing a performance index...



Provider

Index







#### **Altus Managed Services**

Valuation data collection, review & validation through valuation management services

#### Quantify valuation components

Unpack which metrics have impacted on change in valuation levels – price versus cashflow

#### Aggregating valuation metrics

Transparency of yield, rent and cost levels and trends over time to be applied in comparative analysis

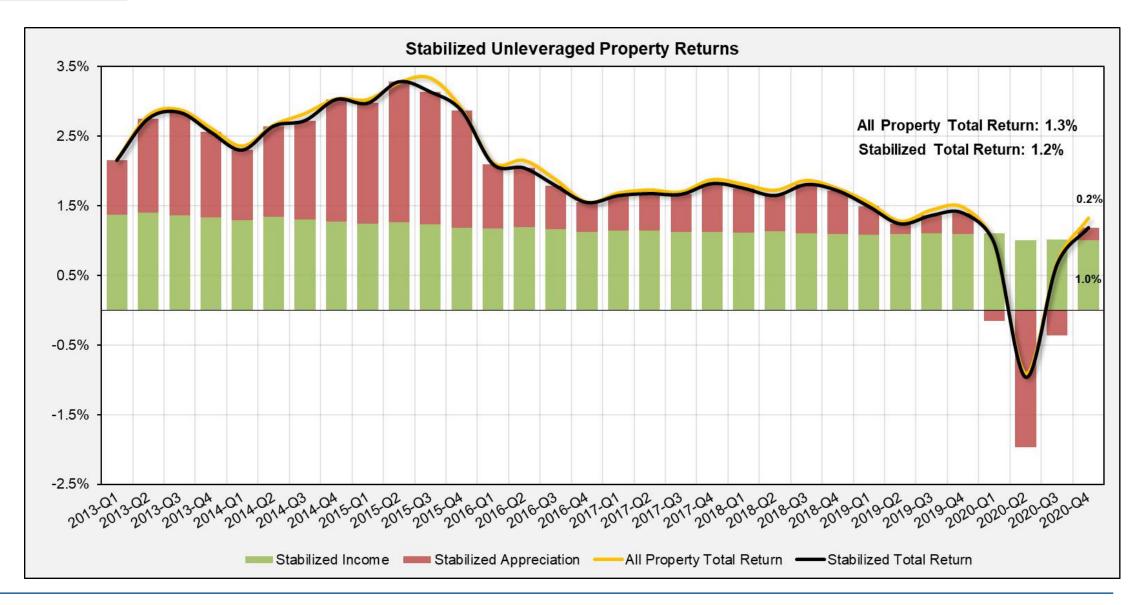
#### Reporting investment returns

Aggregation asset and portfolio returns to provide trends in performance levels, extending into comparative analysis

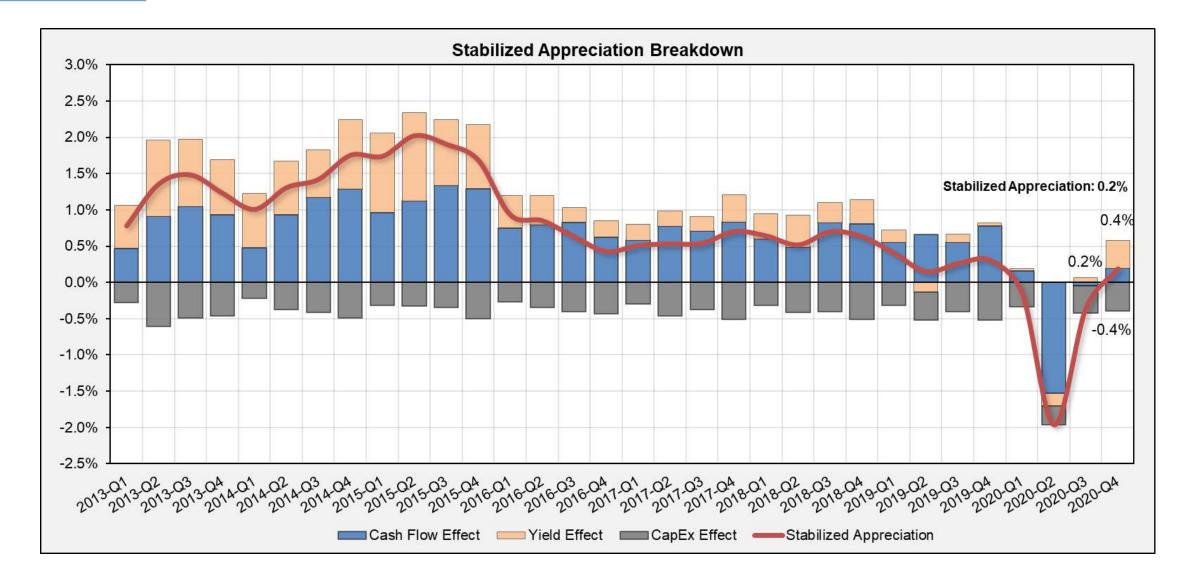


# Unpack the Change in Valuations

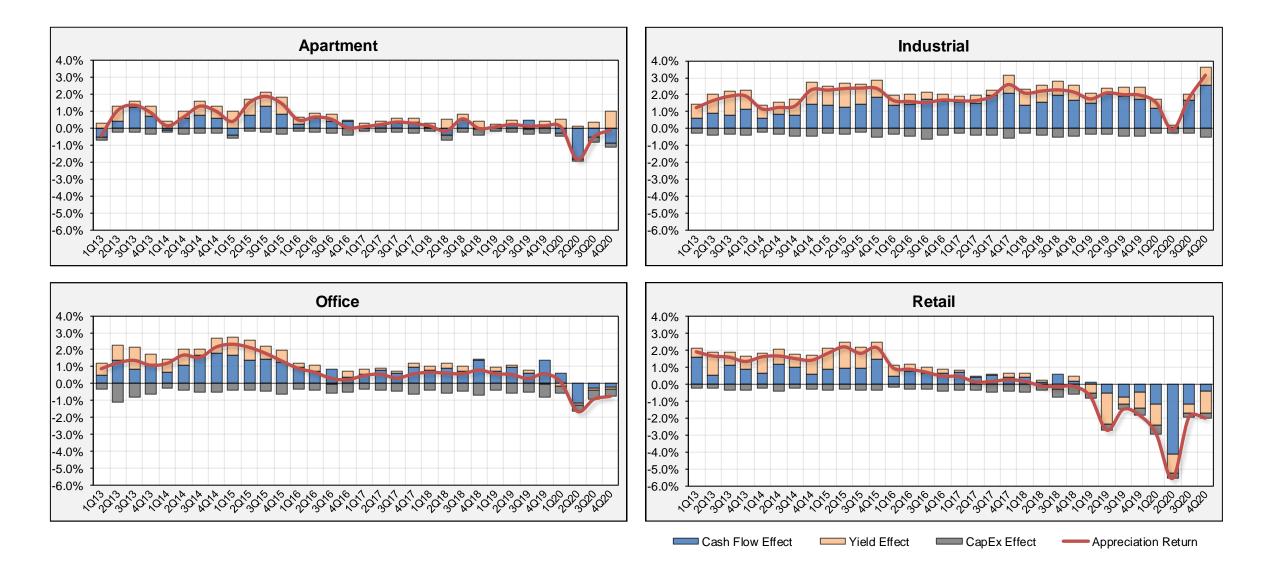




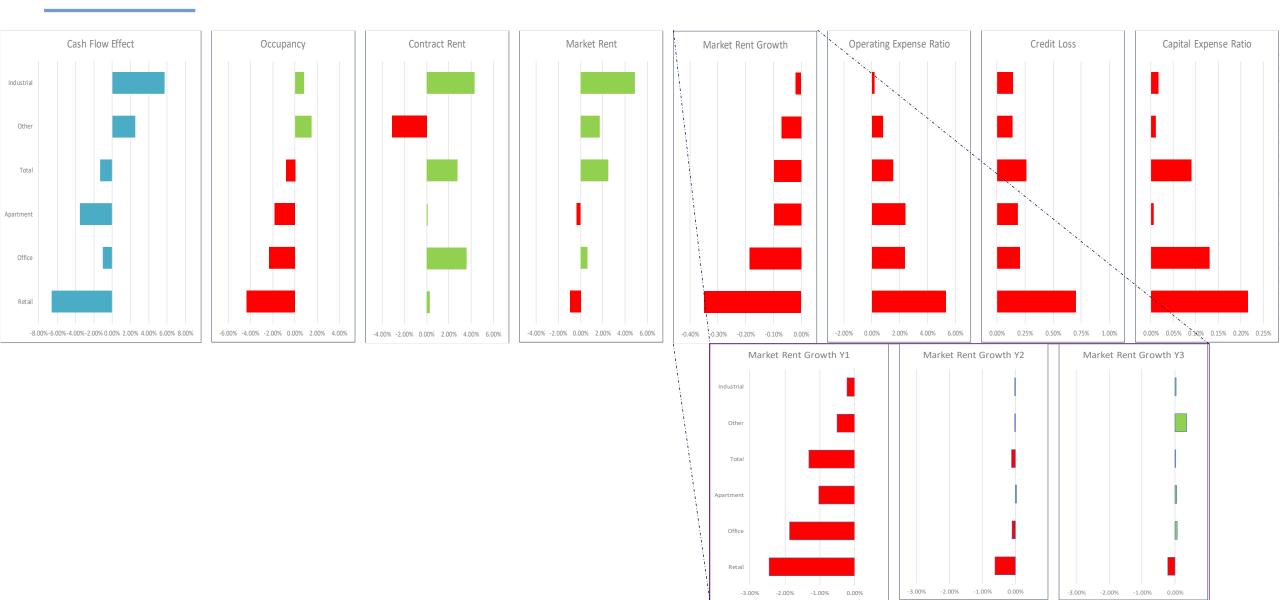












## Online Appraisal Scorecard – Boston Retails





Discount Rate, Terminal Cap Rate, Occupancy, Rent Growth, Expense Ratio and Capital Cost Ratio are expressed as absolute changes, Contract and Market Rent changes are expressed as a percent of prior value.



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CF Effect Exp Ex Effect

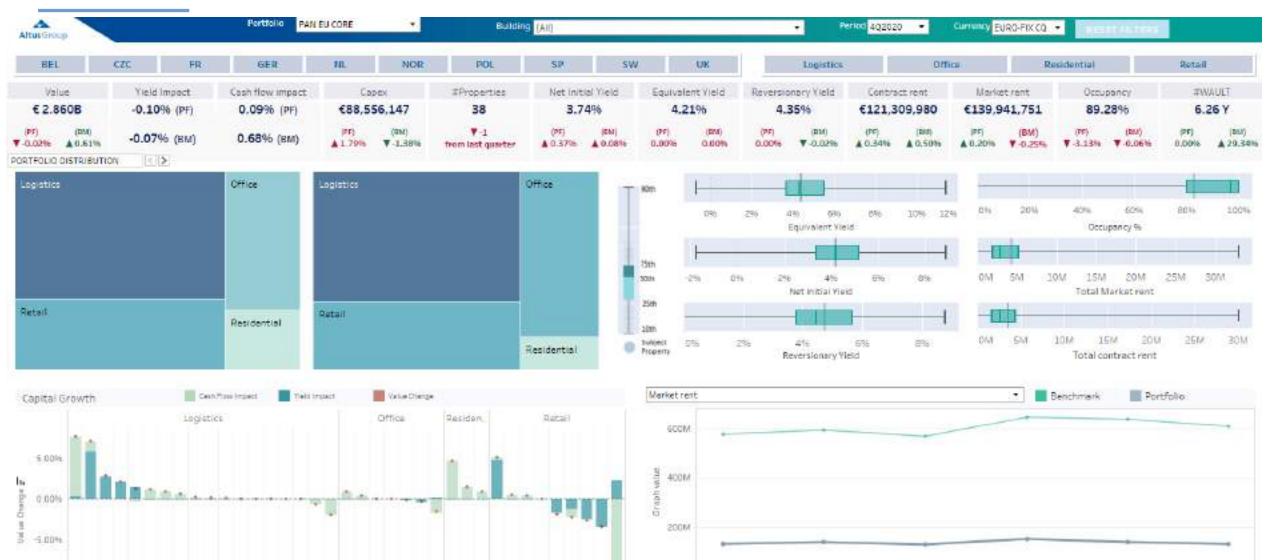


# Pan European Valuation Dashboard

Interactive Online Portfolio Interface

## Valuation Dashboard – Demo All Property





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2019-03

2019/04

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2026 02

2020 03

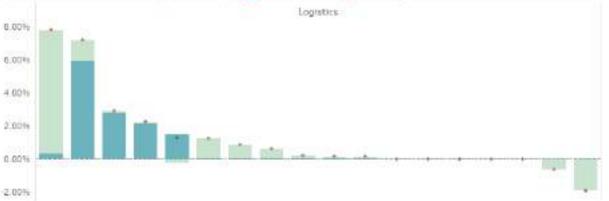
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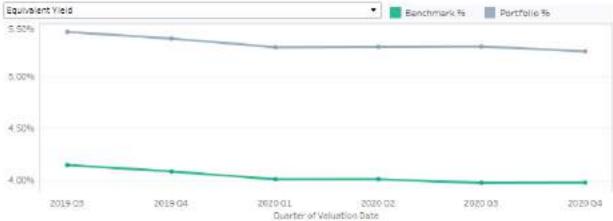
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## Valuation Dashboard – Demo Logistics





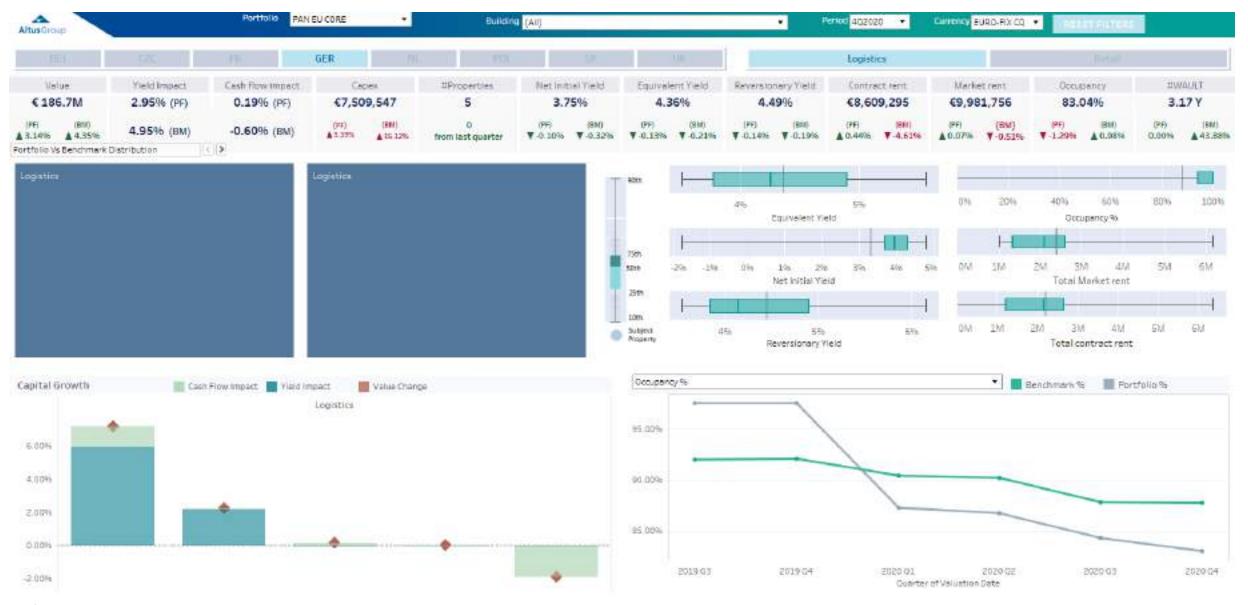




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## Valuation Dashboard – Demo German Logistics

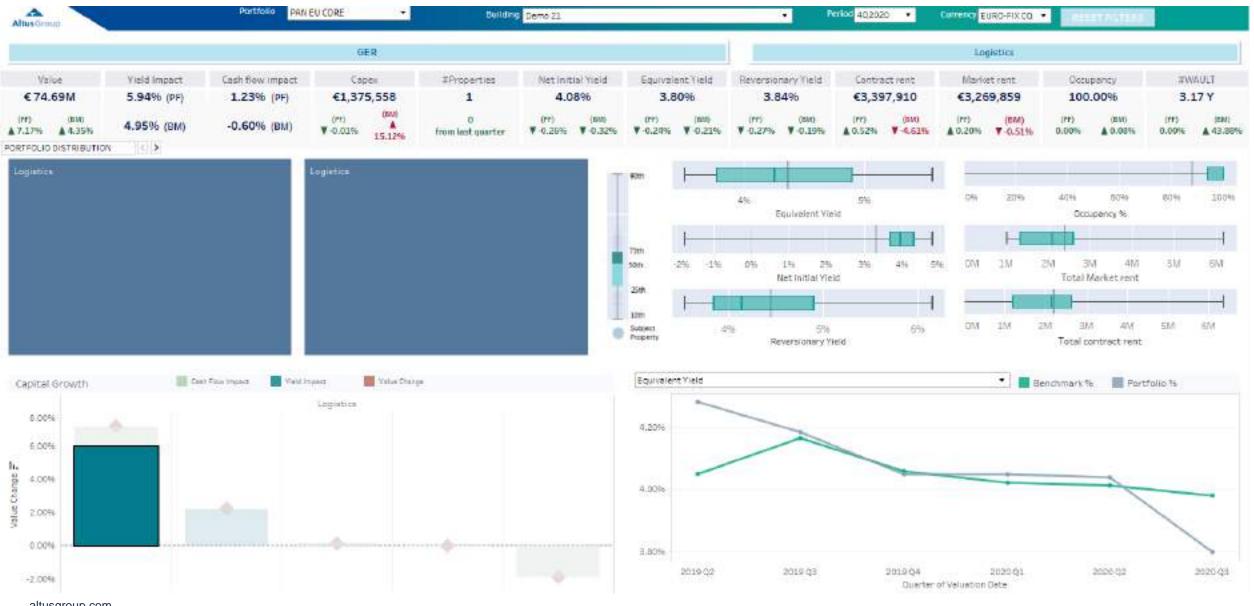




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## Valuation Dashboard – Demo Single Asset





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# Next Steps

## Provisional Timing & Next Steps – Proof of concept



