

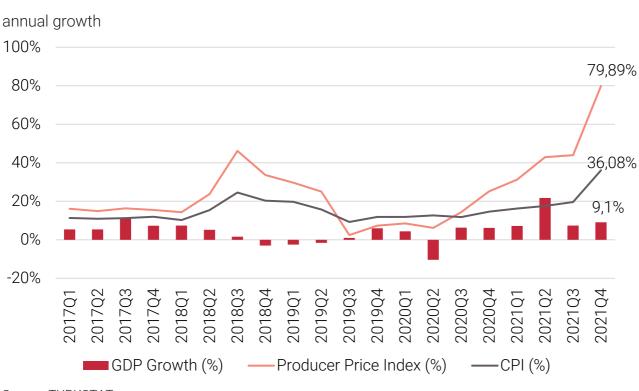


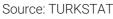
Economic Overview

GDP

During the 4th quarter of 2021, **GDP grew by 9.1** % compared to the same period in 2020. When the activities constituting GDP were analyzed; total value added increased by 11.7% in services, 10.7% in industry, 3.3% in agriculture compared with the last year, as a chained volume index.

Figure 1. Turkish Economy: selected indicators







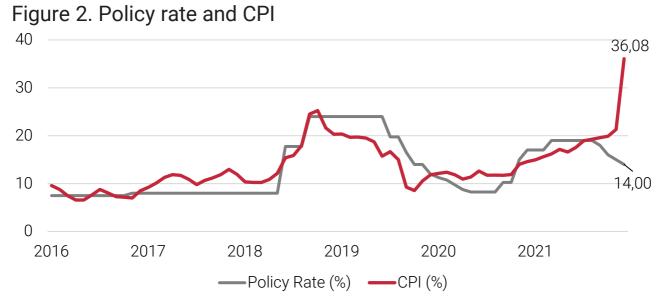
Economic Overview

Inflation

CPI in Turkey during December 2021 increased by 13.58% monthly, and 36.08% annually compared December 2020. Leading contributors to CPI on a monthly and annual basis were transportation. Cost of transportation increased by 28.49% between November and December 2021, on an annual basis cost increased by 53.66%.

Policy Rate

CBRT decreased the rate by 200 basis points in October, 100 basis points in November and 100 basis points in December MPC meetings, so decided to decrease the one-week repo auction interest rate, which is Turkey's Policy Rate, to 14.00%.



Source: TURKSTAT



Istanbul Office Market

Demand and Supply

In the 4th quarter of 2021, cumulative supply of **grade A office space in Istanbul supply increased to 5.27 million sq m**. During the 4th quarter of 2021, **47,648 sq m take-up** was recorded, comprising 75% of overall transactions recorded in Istanbul primary office areas. 39% of the transactions were recorded in Kozyatağı, 37% in Ümraniye, 12% in Sisli-Zincirlikuyu-Besiktas and 7% in Kağıthane.

Vacancy and Rental Level

In the 4th quarter of 2021, average rents in Istanbul grade A office market slightly increased compared to the previous quarter. **Vacancy rate** in Istanbul Grade A Office Spaces fall to **23.6% in total**, decreased from 23.4% to 22.6% in European Side, and 26.6% to 25.5% in Asian Side of İstanbul. Vacancy rates occurred as 28.4% in Maslak, 28.3% in Umraniye, 23.3% in Kozyatağı, 22.9% in Sisli-Zincirlikuyu-Besiktas and 14.4% in Levent-Etiler. Prime rent recorded in Levent-Etiler increased from 220 TL/sqm/month to **240 TL/sqm/month**.

350 TL /sq. m/month 6.000.000 (sq. m) 28.6% 300 TL 5.000.000 25.0% 25.3% 23.6% 250 TL 4.000.000 240 TL 16.7% 200 TL 15.4% 3.000.000 150 TL TL 39 TL 45 TL 145 TL 2.000.000 45 TL 100 TI 1.000.000 50 TL 0 0 TL 2016 2017 2018* 2021 2019 2020 European Side (GLA) ──Asian Side (GLA) ──Prime Rent ──Vacancy % (*) Kağıthane, Kavacık and Maltepe-Kartal sub-office areas were added to the stock.

Figure 3. Istanbul grade A office GLA, prime rent

Source: Pamir & Soyuer



Turkish Retail Market

Demand

Based on data released by the Turkish Council of Shopping Centers (AYD) and Akademetre Research, compared to December 2020 the shopping centers sales index increased by 164% to 655 points. During the 4th quarter of 2021, footfall index in December, increased by 142% compared to the same period of last year. In December 2021, shopping centers' sales per leasable area (sq. m.) occurred as 3,434 TL in Istanbul, 1,873 TL in Anatolia, and 2,497 TL in Turkey.

Supply

During the 4th quarter of 2021, Turkey's shopping center supply reached at 13.62 million sq. m., and GLA/1,000 inhabitants increased to 162.90 sq. m in Turkey. Total shopping centers supply is unlikely to increase in the next few years due to the repurposing of retail space.

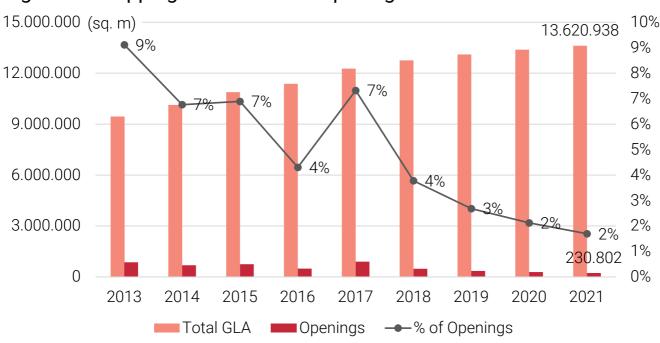


Figure 4. Shopping centers GLA & openings

Source: Pamir & Soyuer



Retail Repurposing

E-Commerce vs Brick-and-Mortar Retail

Covid-19 has dramatically disrupted the retail sector, with the shock differing massively between brick-and-mortar versus e-commerce. When the Covid 19 is over, retailers will face a difficult reality. E-commerce adoption is likely to accelerate, across a wide range of categories. Covid -19 changes in consumer behavior create unprecedented revenues challenges for the traditional brick and mortal retail.

4.000.000 (billions of USD) 60% 31,80% 3.500.000 50% 3.000.000 14,20% 40% 2.500.000 2.000.000 30% 1.500.000 9% 20% 6% 1.000.000 3% 0% 10% 500.000 0% 2013 2017 2018 2019 2020 2021 2015 2014 2016 E-Commerce Retail — % of Total Retail Spend — E-Commerce Growth YoY

Figure 5. US E-Commerce Penetration

Source: U.S. Department of Commerce Retail Data

According to the U.S. Department of Commerce retail data online spending in 2020 significantly increased by 31.8% and growth was bound to slow down in 2021. And when online spending in 2021 is compared with 2019, it was increased by 50.5%.

Consumers seem to be devoted to their new online shopping habits; the e-commerce share of total retail sales remained at 19.1% in 2021.



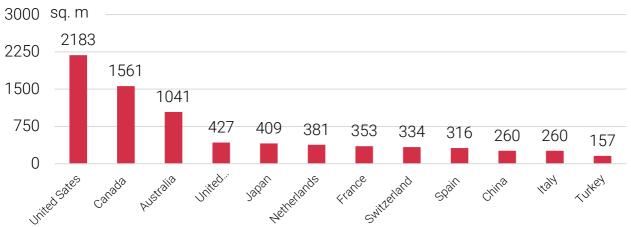


Retail Repurposing

Redundant Retail Space

Rates of e-commerce is in a strong growth trend which suggests that the issue of redundant retail space is likely to get worse and could become an issue in any location where the internet is taking an increasing share of consumer spend.

Figure 6. Retail Space Per 1000 Capita in 2018



Source: Statista - Pamir&Soyuer

The United States had the highest square footage of retail space worldwide at 2,183 sgm per 1000 capita. Canada and Australia followed behind with 1,561 and 1,041 sqm, respectively. The USA has twice as much square footage in shopping centers per capita than the rest of the world, and six times as much as countries in Europe. According to the Savills Research, more than a third of malls in the USA are expected to have to close and the UK may be 'over spaced' for retail by as much as 40%.

Figure 7. US National Retail Vacancy Rate & Net Absorption



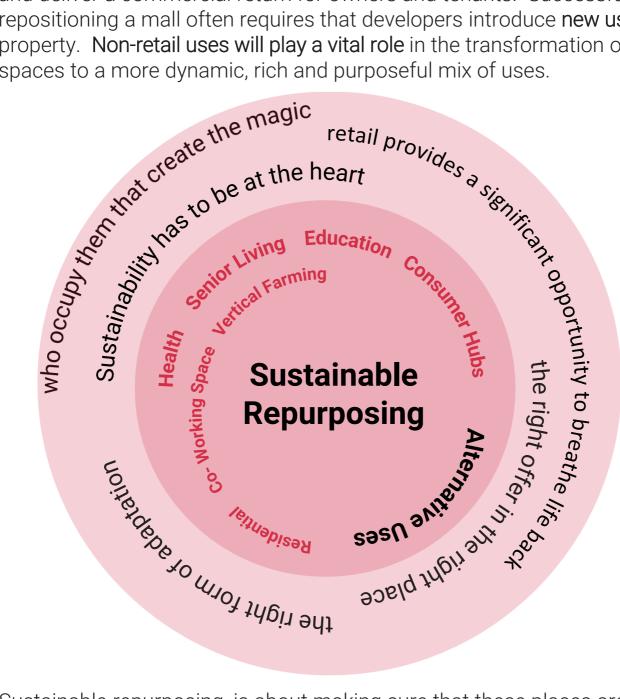
Source: Colliers Retail Outlook



Retail Repurposing

What is Retail Repurposing?

With increasing redundant retail space, retail stakeholders need to consider ways existing buildings can be repurposed to revitalise their shopping centres and deliver a commercial return for owners and tenants. Successfully repositioning a mall often requires that developers introduce **new uses** to the property. Non-retail uses will play a vital role in the transformation of shopping spaces to a more dynamic, rich and purposeful mix of uses.



Sustainable repurposing, is about making sure that these places are future proof, green, offer solid investment opportunities and provide what communities need. Three key elements of successful retail repurposing are viability, lettability and sustainability.

Source: Re-Imagining Retail Issue#2, Savills



Definitions

Office

Istanbul Primary Office Regions: Pamir & Soyuer office database covers only Grade A office buildings which have total floor area larger than 3,500 sq m and located in the primary office areas (Maslak, Levent-Etiler, Şişli – Zincirlikuyu - Beşiktaş in the European side and Kozyatağı, Ümraniye and Ataşehir in the Asian side).

Net Absorption: The amount occupied at the end of a period minus the amount occupied at the beginning of a period and takes into consideration space vacated during the period.

New supply: Total level of new office space to be built or under construction, with construction permit.

Average rent: Expressed in TL/sq m/month excluding tax and charges. The average rent represents the average rents of all deals, weighted by their total surface area.

Prime rent: Expressed in TL/sq m/month excluding tax and charges. The prime rent represents the average value in the first quartile of all deals and excludes extreme values.

Prime yields: Expressed as a percentage, between rents and the capital value of assets. The prime yield represents the lowest yield observed in a given period of time and excludes extreme values.

Vacancy rate: Represents the immediately available supply over the existing office stock.

Retail

Definition and Classification of Retail Centres: Retail centres are defined as purpose built, shopping developments with over 5,000 sq. m gross leasable area (GLA) excluding supermarket area and comprising of 30 or more retail units. Database covers all operating retail centres. The additional or expanded space is considered as a new retail centre floor space.

Principal types of retail centres are classified using British Council of Shopping Centre (BCSC) definitions as follows:

Town Centre Malls: are shopping centres located in a town centre or the central business district of a city.

District Shopping Centres: are located outside of the town centre proper but still within the urban area.

Outlet Centres: are defined as centres where the majority of retailers sell branded merchandise at a substantial discount to the recommended retail price.

Retail Parks: are purpose-built centres solely comprised of at least three retail warehouses of not less than 1,000 sq. m and have common parking.

Average retail rents are calculated taking into consideration small to medium-size units' (MSU) rents, excluding anchor tenants.

Disclaimer

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Who We Are

Pamir & Soyuer was established in 1993 by Ali Pamir and Firuz Soyuer to provide real estate advisory services to corporate clients and HNWI.

Mr. Pamir and Mr. Soyuer both started their careers in investment banking and have been active in Turkish real estate since 1986 primarily through Pamir & Soyuer or related entities. Collectively they have over 50 years of residential and commercial real estate experience, and have transacted over USD 1 billion in real estate investment sales.

Headquarters of Pamir & Soyuer is located in Istanbul with a liason office in Bodrum.

What We Do

Pamir & Soyuer is active in both residential and commercial real estate, and provides the following services:

- Investment Advisory & Sales
- · Development Advisory & Management
- Project Marketing
- Tenant Representation
- Agency/Owner Representation
- · Marketing & Feasibility Studies
- Valuation

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