

Real Estate for a changing world

RESEARCH



A GLANCEINDUSTRIAL & LOGISTICS REAL ESTATE12021MARKET IN THE CZECH REPUBLIC

• The Czech Republic confirms the resilience of the logistics market

• Demand and occupancy reached record numbers

SUPPLY & VACANCY

In the Czech Republic, **80,300 sq m** of warehouse space was **completed** in the first quarter of 2021. The total area of modern warehouse and industrial areas in the Czech Republic thus increased to 9.29 million sq m.

The largest completed projects in the first quarter included a new logistics hall in **CTPark Bor** (28,700 sq m), a warehouse in **Logistics Park Nošovice** (25,200 sq m) for Hyundai Glovis was completed and **VGP Park Hrádek nad Nisou** (17,500 sq m) was added a hall built to suit for Drylock Technologies. All completed properties were fully leased.

The **vacancy rate** reached an all-time low at the end of March, falling to 3.64%. In Greater Prague, the share of unoccupied areas decreased to 0.9%.



KEY FIGURES



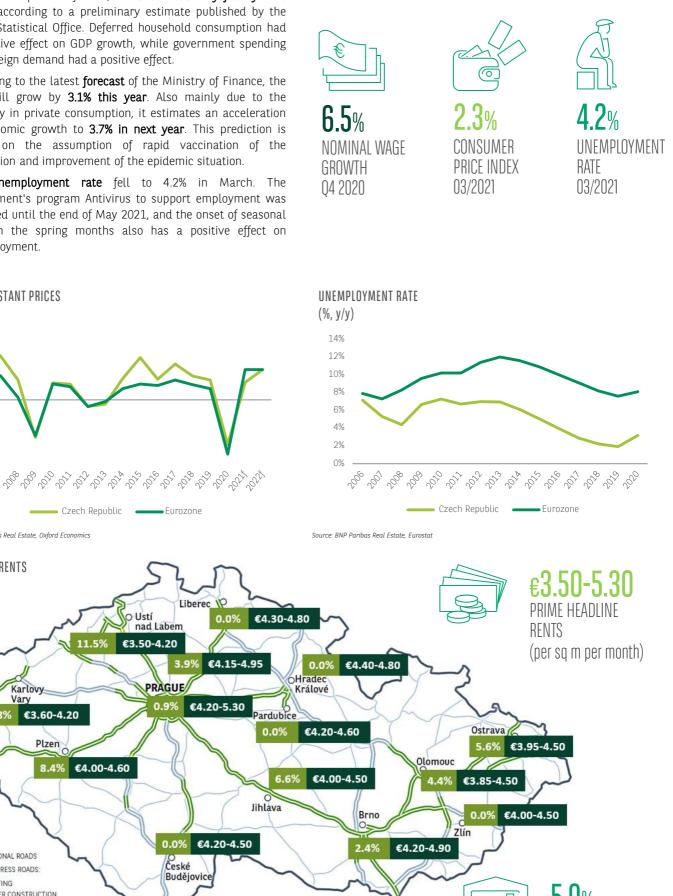


AT A GLANCE 01 2021

ECONOMIC OVERVIEW

- In the first guarter of 2021, the Czech economy fell by 2.1% • y-o-y, according to a preliminary estimate published by the Czech Statistical Office. Deferred household consumption had a negative effect on GDP growth, while government spending and foreign demand had a positive effect.
- According to the latest **forecast** of the Ministry of Finance, the GDP will grow by 3.1% this year. Also mainly due to the recovery in private consumption, it estimates an acceleration in economic growth to 3.7% in next year. This prediction is based on the assumption of rapid vaccination of the population and improvement of the epidemic situation.
- The unemployment rate fell to 4.2% in March. The government's program Antivirus to support employment was extended until the end of May 2021, and the onset of seasonal work in the spring months also has a positive effect on unemployment.

INDUSTRIAL & LOGISTICS REAL ESTATE IN THE CZECH REPUBLIC



Source: BNP Paribas Real Estate, Oxford Economics

GDP AT CONSTANT PRICES

(%, y/y)

8%

6%

4%

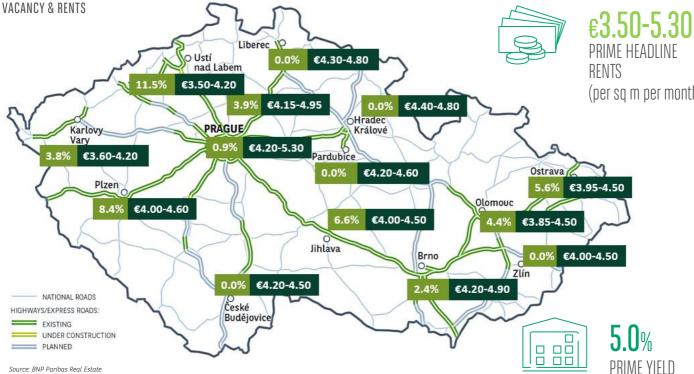
2%

0%

-2%

-4%

-6% -8%





DEMAND

TAKE-UP	Q1 2021	Y/Y	Q/Q
Gross: Net:	759,700 sq m 247,200 sq m	191% 179%	65% -20%
	2020	Y/Y	
Gross:	1,368,800 sq m	-1%	
Net:	731,500 sq m	-22%	

MAJOR NEW LEASES

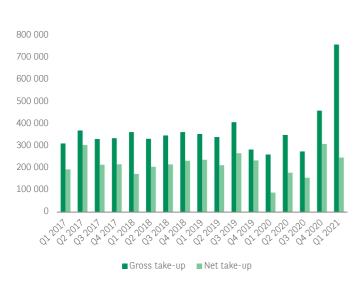
01 2021 NET TAKE-UP BY REGION

(%)

TENANT	PROPERTY	SIZE (sq m)	DEAL TYPE
Tchibo	Panattoni Park Cheb	102,500	Renegotiation, pre-lease
Wistron InfoComm	CTPark Brno	65,300	Renegotiation
Confidential	VGP Park Vyškov	28,200	New lease
Ball Corporation	CTPark Blatnice	28,100	Renegotiation

OUARTERLY TAKE-UP



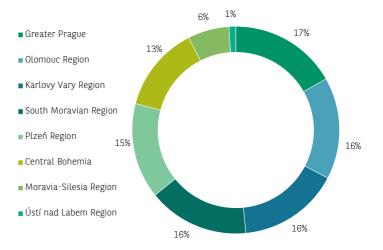


(sq m)



SUMMARY & OUTLOOK

- In Q1 2021, 80,300 sq m of logistics space was completed in six industrial parks, which is 62% less than in the same period last year. In total, there were 9.2 million sq m of modern warehouse space in the Czech Republic, of which more than a third fell on Greater Prague area.
- The highest vacancy rate in Q1 was recorded in the Ústí nad Labem Region (11.5%) and the Plzeň Region (8.4%). Long-term low vacancy is recorded in Greater Prague area (0.9%) and in the South Moravian Region (2.4%). The overall vacancy rate was 3.64%, down 1.12 percentage points from the previous quarter.
- In Q1 2021, total demand reached the historically best result since the beginning of monitoring the modern industrial sector in the Czech Republic. The gross take-up reached 759,700 sq m. Most leases (including renegotiations) were concluded in the South Moravian Region (30%), followed by the Pilsen Region (17%) and Greater Prague area (16%).



Source: BNP Paribas Real Estat

- At the end of March, 605,300 sq m of modern warehouse space was under construction, which is 77% more than in the previous guarter. In addition to the already completed 79,800 sq m, another 580,400 sq m of warehouse space should be added by the end of 2021. Most projects under construction are located in Greater Prague area (126,400 sg m) and in the Moravian-Silesian Region (114,400 sq m). According to data available to BNP Paribas Real Estate, another 900,000 sq m of industrial space is in the planning phase and developers are preparing for construction.
- We recorded a slight increase in rents in regions with insufficient supply, especially in the vicinity of large cities such as Prague and Brno. The prime rent in the Czech Republic ranged from 3.50 to 5.30 EUR/sq m/month.
- Logistics remains relatively resilient compared to other asset types, and the Czech market has clearly confirmed this assertation in statistics for the first quarter.

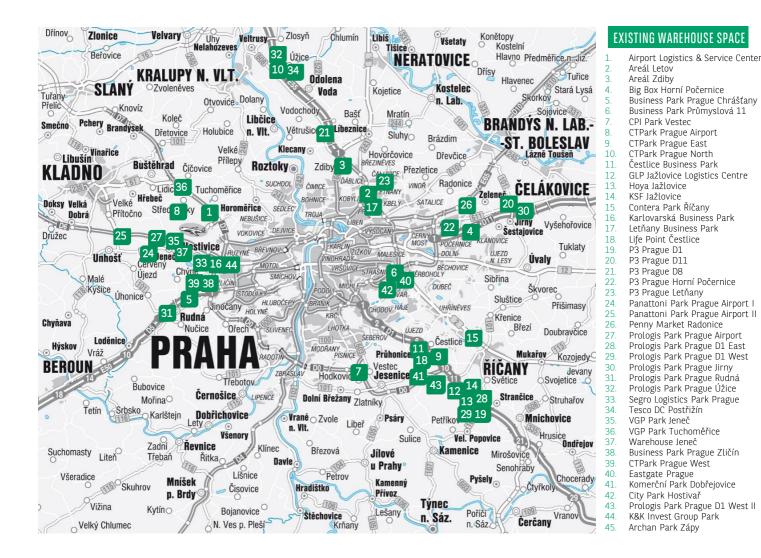


GREATER PRAGUE

- The Capital City of Prague is the economic centre of the country and as for economy, has a unique position within the Czech Republic. Its economic output consistently contributes roughly a quarter of the national GDP. Prague is the largest regional labour market in the Czech Republic and influences also the rest of the country, especially Central Bohemian Region, where the unemployment rate continuously drops.
- At the end of Q1 2021, the unemployment rate was 3.7%.
- Prague is a central point of all highway routes and is also an important international railway junction. Air transport including freight is provided particularly by the Václav Havel Airport Prague.
- Greater Prague is the largest warehouse market in the Czech Republic. It accounts for 35% of the country's total stock.
- Only one logistics hall with a total area of 4 850 sq m was completed in the Areál Archan Park Zápy in Q1 2021.
- In Q1 2021, the **total demand** amounted to **121,000 sq m**, out of which net take-up represented 34%. About 16% of the total national demand was concluded in Greater Prague.

KEY INDICATORS





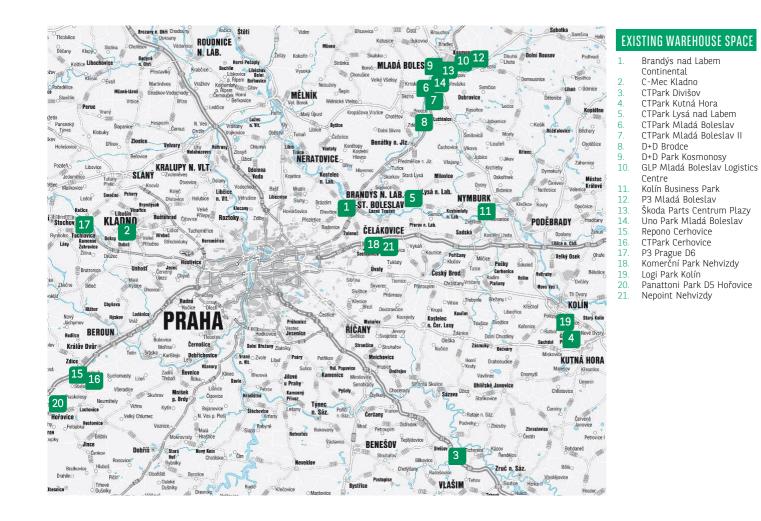
BNP PARIBAS REAL ESTATE

CENTRAL BOHEMIAN REGION

- The Central Bohemian Region is the area that surrounds the Capital City of Prague. Its area, number of municipalities, and population make it the largest region of the Czech Republic. The Region is an important source of labour force for Prague.
- At the end of Q1 2021, the **unemployment rate** was 3.7%.
- The Central Bohemian Region has the second densest (after Prague), but also the most overloaded, transport network in the Czech Republic. Main railway and road transit networks lead over the territory of the region to the Capital City. The region benefits also from river transportation.
- The biggest car manufacturer in the country, Škoda Auto, is also the biggest company in the region. It is based in Mladá Boleslav. This is one of the reasons almost 69% of all warehouses in the Central Bohemian Region are located in Mladá Boleslav and its surroundings.
- During the first quarter of 2021, no new logistics hall was completed in the Central Bohemian Region.
- Total demand amounted to 33,100 sq m in Q1 2021.

KEY INDICATORS





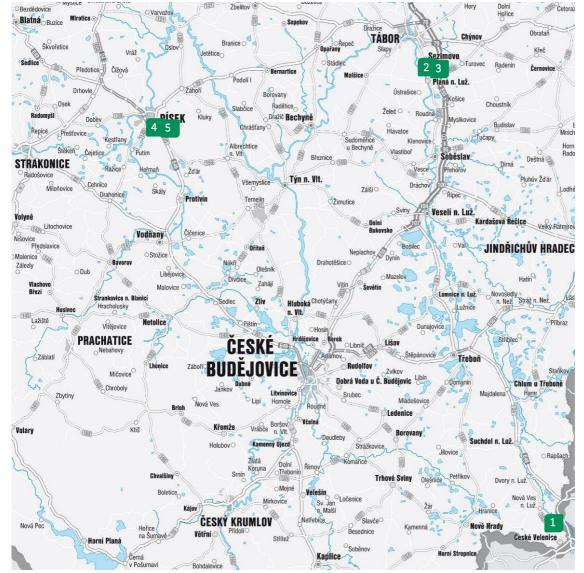
BNP PARIBAS REAL ESTATE

SOUTH BOHEMIAN REGION

- The South Bohemian Region has a rather recreational character, industrial production is concentrated mainly in the agglomeration of České Budějovice.
- At the end of Q1 2021, the unemployment rate was 3.5%.
- The Region has been reporting an ever-increasing volume of traffic, particularly on the roads. However, the Region's territory is not connected to the network of highways within the Czech Republic. The planned and partly under construction D3 highway will connect Prague with the South Bohemian Region and further will join the highway network to neighbouring Austria. The South Bohemian Region - Austrian Border section should be completed by 2024 and the Central Bohemian Region by 2028.
- Due to poor transport accessibility, the offer of logistics schemes in the South Bohemian Region is limited, located mainly around Tábor.
- No new warehouse space was delivered to the market in Q1 2021, nor was there any space taken-up.

KEY INDICATORS





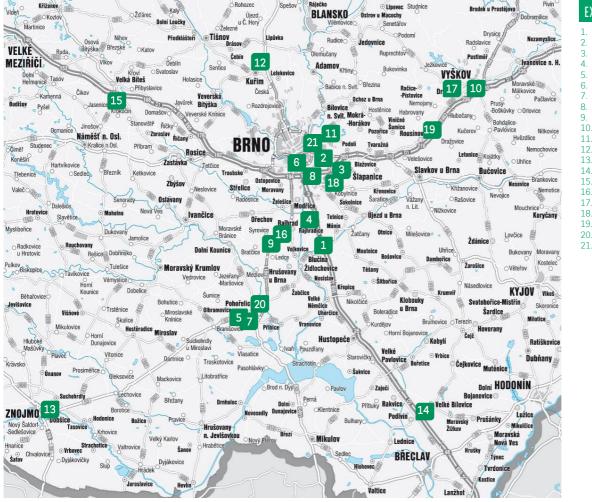
- CTPark České Velenice CTPark Planá nad Lužnicí Průmyslová zóna Tábor
- Průmyslová zóna Tábor
 Arete Park Písek I.
 - Arete Park Písek II.

SOUTH MORAVIAN REGION

- The South Moravian Region is one of the regions with significant economic potential. The gross domestic product of the Region represents one tenth of the national GDP.
- At the end of Q1 2021, the unemployment rate was 4.6%.
- In terms of transport, the South Moravian Region has a significant transit function. An important regional transport hub for road, motorway, railway and air transport is the regional city Brno, which is situated at the highway intersection in the direction of Prague (D1), Bratislava (D2), Olomouc (D46) and Vienna (D52). However, the D52 motorway is still incomplete, with only 17 km in operation and should be fully finished by 2028.
- The South Moravian Region is the third largest logistics market in the Czech Republic, after the Prague and Plzeň regions.
- In Q1 2021, 2,400 sq m of modern warehouse space was delivered to the market in Business Park Ponávka in Brno.
- Gross take-up amounted to 225,200 sq m, out of which net takeup represented 38 900 sq m in Q1 2021.

KEY INDICATORS





- CTPark Blučina
- CTPark Brno
- CTPark Brno South CTPark Modřice
- CTPark Pohořelice
- Ponávka
- Flexi Hall Pohořelice
- LTC Brno Kaštanová
- Prologis Park Brno SyrovicePrůmyslový areál Vyškov
- 11. RD Park Brno Líšeň
- 12. Smart Zone Kuřim
- Technopark Znojmo
 Velbi Park Velké Bílovice
- 4. Velbi Park Velké Bílov 5. – Velká Bíteš
- velka Bites
 VGP Park Brno
- 17. Vyškov Rompa
- 8. Panattoni Park Brno Airport
 - Industry Park Rousínov IOG Pohořelice
- CTPark Brno Líšeň

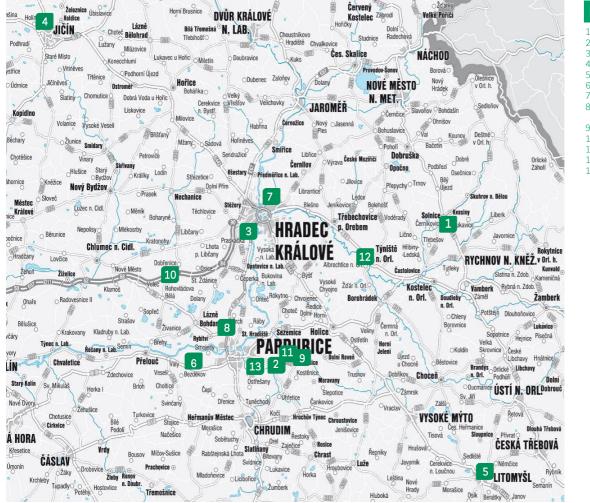


HRADEC KRÁLOVÉ, PARDUBICE

- The Hradec Králové Region, together with the neighbouring Pardubice and Liberec Regions, form the Northeast Region, which is one of the three largest areas in the Czech Republic in terms of area and population.
- The Hradec Králové Region can be characterized as an agroindustrial area with highly developed tourism, whereas the Pardubice Region is a predominantly industrial (engineering) area.
- At the end of Q1 2021, the **unemployment rate** was 3.2% in the Hradec Králové Region and 3.0% in the Pardubice Region.
- The Hradec Králové Region is connected to Prague by the unfinished D11 highway, which, after its completion in 2024, will connect the region with Poland. The Pardubice and Hradec Králové Regions are also located at the cross section of two European long-distance roads E67 (Prague-Warsaw) and E442 (Liberec-Olomouc). The planned and now partially under construction D35 highway will also pass through the regions.
- No new warehouses were delivered to the market in this quarter.
- Total **demand in Hradec Králové Region** amounted to **41,600 sq m** in Q1 2021.

KEY INDICATORS





- . CTPark Kvasiny
- CTPark Pardubice II
 Greenhouse Hradec Králové
- Investika Jičín
- 5. Investika Litomyšl
- 6. LC Opočinek
- LiNK Hradec Králové
 Logistické Centrum Zelená Louka
- 9. Starzone Pardubice
- 10. P3 Hradec Králové
- Pardubice Černá za Bory
 Cataler Týniště
- Logistika Park Pardubice

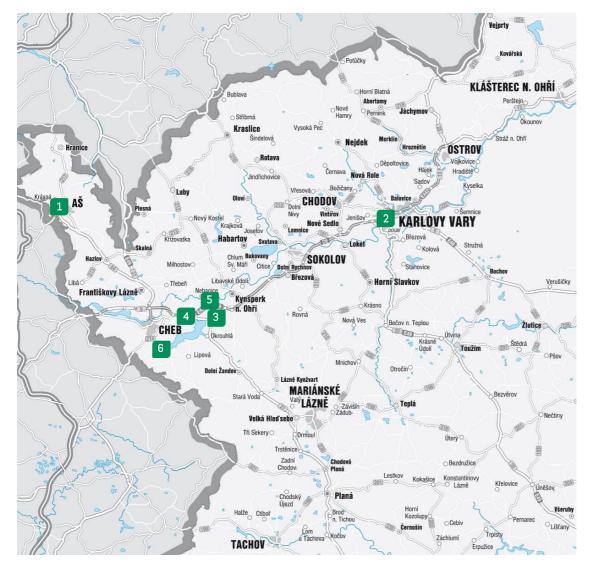


KARLOVY VARY REGION

- **The Karlovy Vary Region** is famous for its SPA's. Tourism is one of the most important industries in this area.
- At the end of Q1 2021, the **unemployment rate** was 6.1%.
- The main road of the Karlovy Vary Region is the D6 highway (Cheb - Sokolov - Karlovy Vary). At present there are three sections of this highway in operation and the whole highway should be completed in 2026. Currently the highway is now connected to Germany by road I/6.
- Due to the availability of land and proximity to Germany, the Karlovy Vary Region is in the growing spotlight of developers and tenants. Most of the existing warehouse space is located in the vicinity of Cheb, near the D2 motorway.
- No warehouse was completed in the Karlovy Vary Region this quarter.
- In Q1 2021, the **gross take-up** reached **112,100 sq m**, of which the net take-up accounted for 39,000 sq m.

KEY INDICATORS





EXISTING WAREHOUSE SPACE

CTPark Aš
 Kanov Indi

4

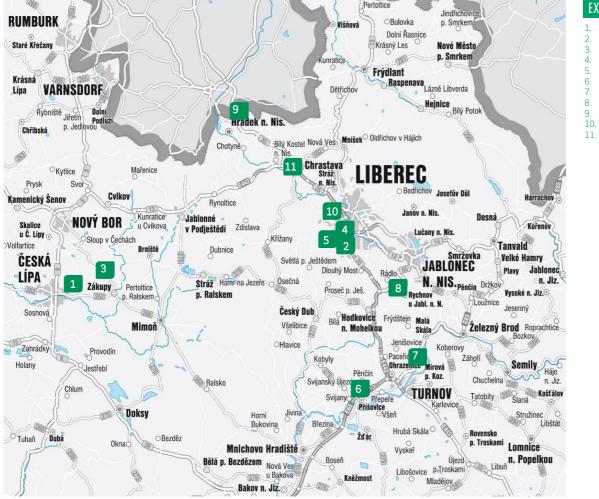
- Kanov Industrial Park
 Maman Euro Logistic Cheb
 - Panattoni Park Cheb
- 5. CTPark Cheb 6. Panattoni Par
 - Panattoni Park Cheb South

LIBEREC REGION

- The predominantly mountainous **Liberec Region** has an industrial character however tourism also forms a significant part of the economy.
- At the end of Q1 2021, the **unemployment rate** was 4.4%.
- The Region is connected to Prague via the D10 highway, which leads from Prague to Turnov, where it terminates and connects to the I / 35 expressway, which continues to the regional city of Liberec. Passing through the region is the European route E65 running in the direction, Prague, Harrachov, Poland. There are other first-class roads which connect the region with Germany. The Liberec Region is the only region in the Czech Republic that has no electrified rail line.
- In Q1 2021, the logistics park VGP Park Hrádek nad Nisou was extended by a production hall with a total area of 17,500 sq m.
- No new warehouse space was delivered to the market in Q1 2021, nor was there any space taken-up.

KEY INDICATORS





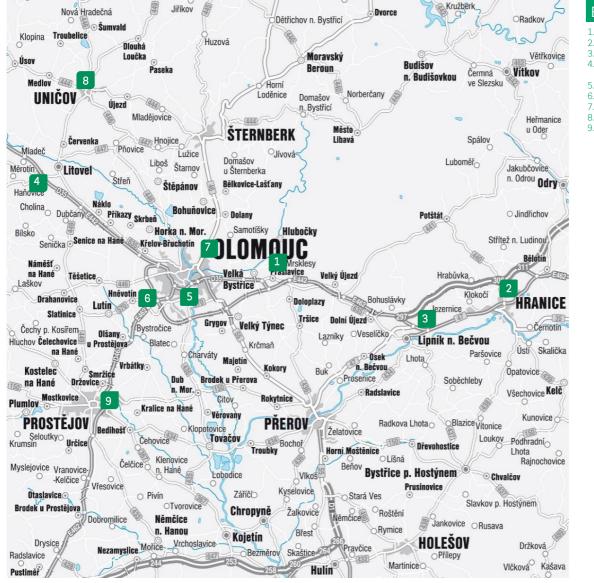
- .. CTPark Česká Lípa 2. CTPark Liberec
- . CTPark Liberec
- Investika Liberec
- 5. P3 Liberec
- P3 Příšovice
- 7. P3 Turnov
- Rychnov u Jablonce
 VGP Park Hrádek nad Nisou
- . VGP Park Hradek nad Nisou VGP Park Liberec
- Renwon Business Park

OLOMOUC REGION

- From the economic point of view, the **Olomouc Region** is an industrial area with a well developed service industry.
- At the end of Q1 2021, the unemployment rate was 4.4%.
- The unfinished D1 highway passes through the region but is connected to the regional city of Olomouc by the fully completed D46 highway and the unfinished D35 highway (the so called northern backbone route, which will connect Bohemia with Moravia). Therefore, there is a comfortable transport connection to Brno and Prague as well as to Ostrava and Poland.
- No new modern warehouse space was completed in Q1 2021.
- The largest projects under construction are the extension of VGP Park Olomouc by a new hall with a total area of 14,700 sq m and a new hall in VGP Park Prostějov with total area of 14,500 sq m with planned completion in Q2 2021.
- In Q1 2021, the **gross take-up** reached **70,000 sq m**, of which the net take-up accounted for 39,200 sq m.

KEY INDICATORS





- . CTPark Hlubočky
- 2. CTPark Hranice
- CTPark Lipník nad Bečvou
 Industrial Park Olomouc
- Litovel
- 5. P3 Olomouc
- VGP Park Olomouc Chválkovické skladv
- Accolade Uničov
- VGP Park Prostějov

BNP PARIBAS

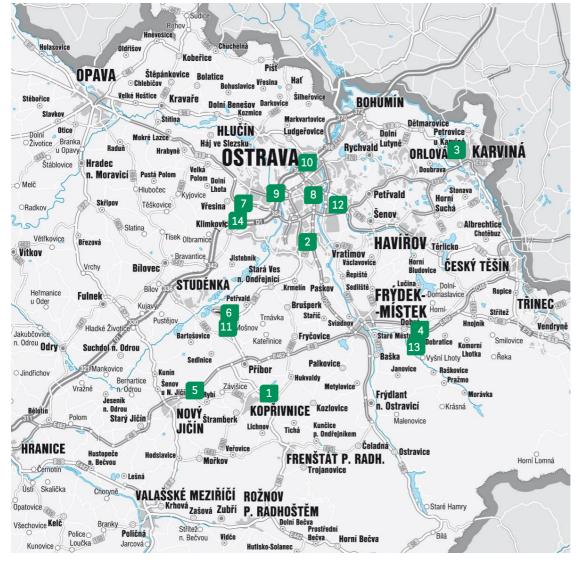
REAL ESTATE

MORAVIA-SILESIA REGION

- The Moravia-Silesia Region lies in the northeast of the Czech Republic and forms one of the most peripheral parts. In the north and east it borders with Poland, in the southeast with Slovakia.
- At the end of Q1 2021, the unemployment rate was 5.9%.
- The Region is historically associated with heavy industry, but in connection with its current decline there is a significant increase in unemployment.
- The already completed D1 highway provides the connection of the region with the whole Republic and also a direct connection with Poland.
- One new pruduction hall with a total area of 25,200 sq m in Logistics Park Nošovice was completed in Q1 2021.
- In Q1 2021, the gross take-up reached 22,900 sq m, of which the net take-up accounted for 15,900 sq m.

KEY INDICATORS





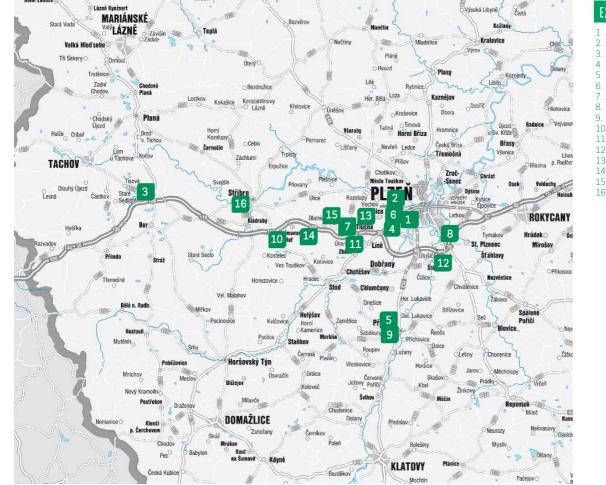
- Bang & Olufsen Kopřivnice
- CTPark Ostrava
 CTPark Karviná
- 4. CTPark Nošovice
- 5. CTPark Nový Jičín
- Ostrava Airport Multimodal Park
- 7. Ostrava Logistics Park
- 8. Ostrava Výstavní
- 9. Hoya Ostrava Svinov
- 10. Tulipán Park Ostrava
- Contera Park Mošnov
 Contera Park Ostrava City
- 13. Logistics Park Nošovice
- 14. CTPark Ostrava Poruba

PLZEŇ REGION

- **The Plzeň Region** lies in the south-west of the Czech Republic, on the western side of the region is the state border with Germany.
- The Region is one of the moderately economically developed regions. There are many important companies in the field of engineering and alcoholic beverages.
- At the end of Q1 2021, the unemployment rate was 3.5%.
- An important D5 highway passes through the region. It leads from Prague bypassing Plzeň city to Germany. The city of Plzeň is also an important railway junction hub.
- The Plzeň Region is the second largest logistics market in the Czech Republic after Prague, with the largest warehouse space located in the vicinity of the regional city of Plzeň.
- During Q1 2021, only one project was completed in the Pilsen Region. In CTPark Bor, a logistics hall with a total area of 28,700 sq m was completed and fully leased to retail tenant Primark.
- In Q1 2021, the **gross take-up** reached **131,200 sq m**, of which the net take-up accounted for 36,800 sq m.

KEY INDICATORS





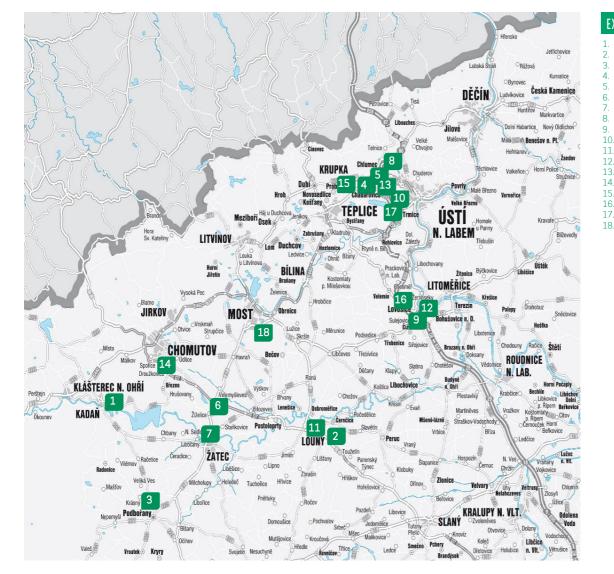
- Adelardis Park Pilsen
- Business Park Plzeň Křimice
- . CTPark Bor CTPark Plzeň
- CIPark Plzeň CTPark Přeštice
- Flexis Business Park
- P3 Plzeň
- . VGP Park Plzeň
- Panattoni Park Přeštice). Panattoni Park Stříbro
- L. Panattoni Pilsen Park West
- Prologis Park Pilsen Štěnovice
 Business Park Plzeň Vejprnice
 - Business Park Plzeň V Prologis Park Pilsen II
 - CTPark Blatnice
 - CTPark Stříbro

ÚSTÍ NAD LABEM REGION

- The Ústí nad Labem Region lies in the northwest of the Czech Republic. The northwest border of the region is also a state border with Germany.
- At the end of Q1 2021, the unemployment rate was 6.0%.
- The Region has an important transport position providing a link to the European Union. The D8 highway passes through the region. It leads from Prague to the state border with Germany, where it links to the German A17 highway. The Labe (Elbe) River is an important artery of shipping that connects the inland Czech Republic with the North Sea.
- No new logistics building was completed in Q1 2021.
- The largest project under construction is the logistics hall with a total area of 11,800 sq m in CTPark Žatec. The project is to be completed in the next quarter.
- No new modern warehouse space was completed in Q1 2021.
- Total demand amounted to 2,600 sq m.

KEY INDICATORS





- CTPark Kadaň CTPark Louny
- CTPark Podbořany
- CTPark Teplice
- CTPark Teplice II
- CTPark Žatec CTPark Žatec II
- Contera Park Teplice
- Logistic Center Lovosice
- P3 Předlice
- Průmyslový park Louny
- P3 Lovosice VGP Park Český Újezd
- VGP Park Chomutov
- VGP Park Ústí nad Labem
 - Arete Park Lovosice
- CTPark Ústí nad Labem
- CTPark Most



VYSOČINA REGION

- **The Vysočina Region** is situated in the center of the Czech Republic. Economic performance of the region is below the national average. The dominant sector in this region is agriculture.
- At the end of Q1 2021, the unemployment rate was 3.4%.
- The road and railway network in the region is strategic from the national as well as European perspective. The territory is a part of Central-European urbanised axis (Berlin-Prague-Vienna/ Bratislava-Budapest). The D1 highway thus serves both the national and European transport. Recently, the good strategic location of the Region has attracted plenty of foreign investors who deploy not only production plants but also research and development units there.
- In addition, 109,700 sq m of modern warehouse space is owner occupied.
- No new warehouse space was delivered to the market in Q1 2021, nor was there any space taken-up.

KEY INDICATORS





- 1. CTPark Humpolec
- 2. CTPark Humpolec II
- 3. CTPark Jihlava
 - Logistics Centre D1 Jihlava CTPark Okříšky

AT A GLANCE **Q1 2021**

INDUSTRIAL & LOGISTICS REAL ESTATE IN THE CZECH REPUBLIC

DEFINITIONS

Stock: Modern developer led warehouse and industrial production space of A class quality, owned by a developer or investor for lease excluding owner-occupied stock.

New supply: Completed newly built buildings that obtained a use permit in the given period.

Take-up: A gross figure representing the total floor space known to have been let or pre-let, sold or presold to tenants or owner-occupiers over a specified period of time. It does not include space that is under offer. A property is taken up when the future lease contract is signed. Total gross take-up includes renegotiations and lease extensions, net take-up excludes these.

Prime headline rents: Achieved rents that relate to new prime, high specification units of 4,000-5,000 sq m in prime locations. Effective rents represent the achievable average rents including rent free period.



About BNP Paribas Real Estate

BNP Paribas Real Estate, one of the leading international real estate providers, offers its clients a comprehensive range of services that span the entire real estate lifecycle: property development, transaction, consulting, valuation, property management and investment management.

BNP Paribas Real Estate has local expertise on a global scale through its presence in 32 countries and 5,400 employees. BNP Paribas Real Estate is a subsidiary of BNP Paribas.

For more information visit our microsite www.checkestates.cz or our website www.realestate.bnpparibas.cz.

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