

POMERANIA

ECONOMIC & REAL ESTATE INSIGHT



2022/2023



Mieczysław Struk, Marshal of the Pomeranian Voivodeship

Nowadays, foreign direct investment flow has been significantly influenced by the COVID-19 pandemic. In addition, the war in Ukraine has brought us new challenges in terms of the stability of investment processes in our region.

Current circumstances put a lot of pressure on European economies, forcing us to look for new investments and forms of development. However, the present situation does not interrupt the Pomerania region, which continues to develop and is constantly open to foreign direct investments.

Pomeranian region is not only a perfect place to live with scenic landscape and historical heritage, but also an incubator for business development and investment.

Pomerania is one of the most developed regions in Poland, with a perfect location, high-qualified graduates from 25 higher education institutions, innovative seaports in the Baltic Sea, expanding airport, improving road network infrastructure, and an attractive real estate market. The investment attractiveness of Pomerania has been appreciated by many foreign investors. Nevertheless, our mission today is to continue building the future of Pomerania, with international investments as a motor of growth.

I recommend this report to all engaged in building an inclusive and sustainable tomorrow for Pomerania and the world.

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POMERANIA IN A NUTSHELL

1.6

Residents in Tricity Metropolitan Area 18,293 km²

Total area of the region

7th

fDi's Mid-Sized European Region of the Future 2022/23 - FDI Strategy

Pomerania is one of the most economically developed regions in Poland. Its coastal location on the Baltic Sea, combined with an excellent talent pool, has won numerous FDI projects for the region in various industry sectors.

TRICITY

8.6%

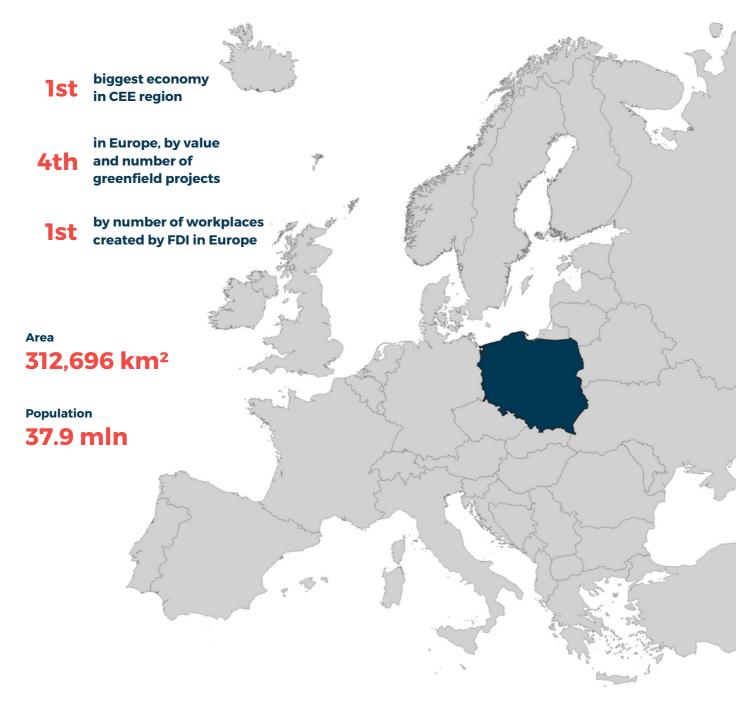
Gdańsk, Gdynia and Sopot create the biggest agglomeration in the Southern Baltic Region, with 2 seaports and 1.6 mln residents

GPP GROWTH IN 2019

CSO - last available date for the region



POLAND IN A NUTSHELL

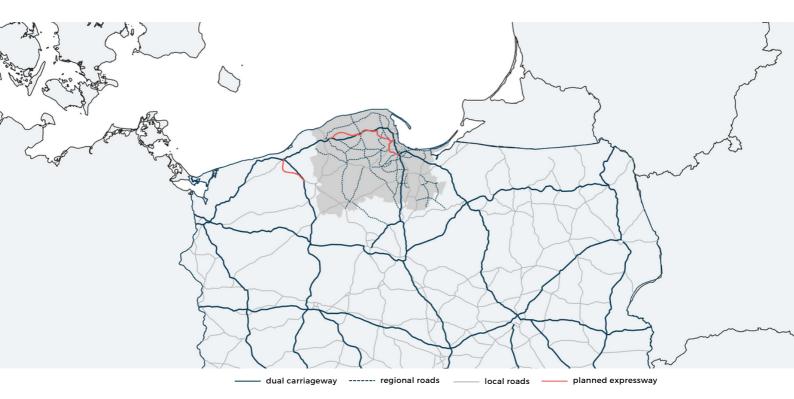


- Poland ranks **2nd** in the world in the Lived Change Index 1990-2019 (The World Bank, conclusions made by Young China Group).
- Poland ranks 5th in Europe in terms of the number of FDI projects (FDI Intelligence Report 2021).
- Poland ranks in 6th in terms of FDI projects (EY Attracivness Survey, June 2021).

TRANSPORT



Pomerania has a unique logistic potential resulting primarily from its excellent geographic location. The region is situated at the intersection of two pan-European Networks connecting Western Europe with the Baltic States and Scandinavian countries with the Adriatic Sea. The growing network of expressways and motorways at the regional and national levels is of great importance to the local economy.





RAILWAY

One of the most important TEN-T transport corridors, the Baltic-Adriatic Sea, runs through the Pomeranian Voivodeship.

35%

inland terminals of Polish intermodal transport are located in the Port of Gdańsk and Gdynia

more TEU is transported by rail than in 2012 - the great potential and development of combined transport, including transit

PKP Cargo has the largest share in intermodal transport

*of all traffic

Polish ports are an important point for cargo in transit for the purpose, among others, mills, factories, car manufacturers or replacement cargo for the Czech Republic, Slovakia and Hungary.



The Gdansk Lech Walesa airport is the second biggest regional airport in Poland. Gdańsk airport offers direct flights to the most important European economic hubs, and the network of connections is constantly growing.

Until 2019, each year, the airport in Gdańsk recorded a steady increase in the number of passengers served. Although the recent years have been rough, there has been an increase in this field. This indicates that Polish tourism has started to adapt to the new reality.

After the expansion of the western pier of Gdańsk Airport T2 Terminal, Gdańsk Airport can handle **9 million passengers annually**. Higher passenger traffic and an increased number of operations stimulate the Pomeranian economic development.

3.3 mln

passengers in 2014

1.7 mln

passengers in 2020
(COVID-19 outbreak)

5.4 mln

4.5 mln

passengers in 2019

passengers in 2022
(the estimation of future numbers)



SEAPORTS

Pomerania stands out from all the other regions in Poland due to its coastal location and presence of deep-water ports. The two Pomeranian ports (Port Gdańsk and Port of Gdynia) handle all kinds of cargo and unlike Russian Baltic ports, remain tide- and ice-free all year round.



In 2020, Gdynia port's transshipment rose for the fourth year in a row, whereas Gdańsk saw a small increase, which is still considered a great result in times of global pandemic. Container handling is undoubtedly the key driver of growth. The main contributor to this result was DCT Gdańsk (Deepwater Container Terminal). With direct calls from Asia, the terminal has become a port hub for the CEE region inhabited by nearly 100 million citizens. Growing global trade, progressive process of containerization and expected economic growth in CEE (the fastest-growing region in Europe) will definitely enhance the container business in the next decade.



3.1 mln TEUs

transshiped in Tricity ports of Gdańsk and Gdynia in 2021

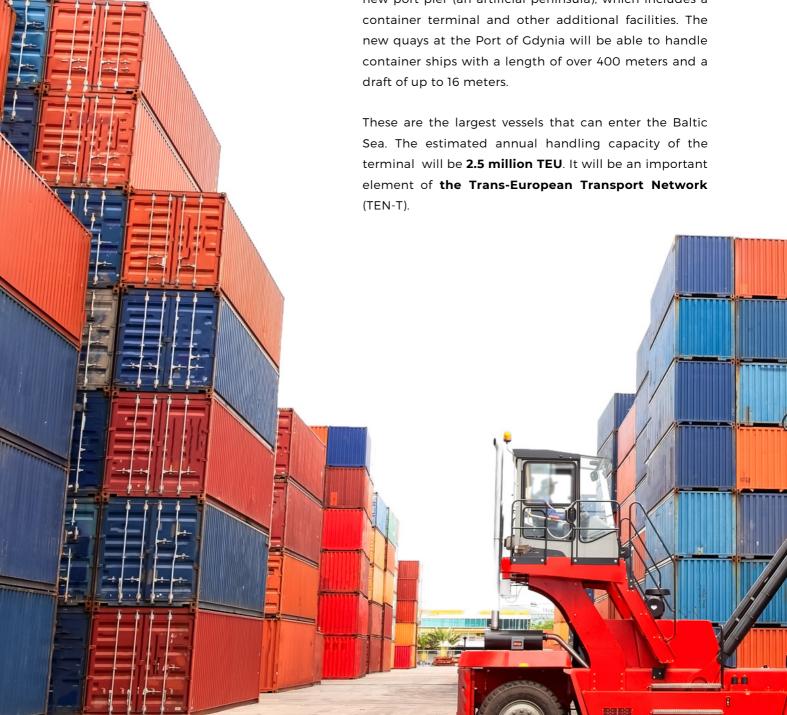
(combined are the biggest container hub in the Baltic Sea)

4.5 mln TEUs

DCT Gdańsk's handling capacity in 2025

DCT Gdańsk has signed a contract for the construction of the third deep-water terminal known as T3, which is scheduled to open for commercial operations by mid-2024, with full completion of the project planned for the second quarter of 2025. The investment will include a deep-water quay of 717m long and 17.5m deep and a yard area of 36.5 ha. The new terminal will increase DCT Gdańsk's handling capacity by 1.7 million TEUs to a total of 4.5 million TEUs per year. After the completion of T3, DCT Gdansk will be one of the largest container terminal complexes in Europe.

The Outer Port in the Port of Gdynia project will extend the existing Coal Pier and involves the construction of a new port pier (an artificial peninsula), which includes a



EDUCATION

Tricity is the biggest academic hub in northern Poland. There are more than 84 thousand students at Pomeranian universities. The institutions are finely adjusted to the labor market and allow for development and professional career in Pomeranian Voivodeship.

In Pomerania, despite the demographic decline, the number of students is constantly growing. Pomeranian universities are attractive places for international students. Over the last 7 years, the level of internationalization of Pomeranian universities has increased more than twice. Currently, over 4.000 foreigners from 44 countries study in Pomerania (data for the year 2020).

> active students in 2021/2022 (The Central Statistical Office)

> graduates in 2021/2022 (The Central Statistical Office)

> universities operating in 2022 (System POLon)

top 3

Gdańsk Tech University rank among the higher education institutions in Poland ("Perspektywy" Ranking)



BUSINESS SERVICES SECTOR

The Business Services Sector is currently the biggest commercial employer in Poland, with Pomerania having the fastest growth among Polish locations (currently set at 35,000 people in nearly **190** centers).

35,000 employment in the sector 2022

The high number of IT and R&D centers with technologically advanced processes, both among product and service companies, is the dominant characteristic of the Tricity market. The remaining centers operate mainly finance, accounting and HR processes with an important footprint of financial security processes (AML, KYC- over 2500 professionals in Tricity).



TYPES OF CENTERS

Most investments come from the US, the Nordics, Germany and UK/Ireland, but a growing number of projects represent Ukraine, Japan and India. The modern business services sector, which primarily needs IT specialists, is constantly expanding in the region. It is not a coincidence that Tricity was chosen by global giants as one of their preferred locations.





Polish educational system has a rich scientific heritage, especially in mathematics, physics, chemistry and information technology. On top of strong theoretical background, graduates of Polish technical universities are also very curious - they ask questions: "why", "how" and look for answers to these questions. It transforms into true passion. Additional advantage of Pomerania region is its diversity and tolerance which roots back to the history of multicultural free city of Gdansk. It is a very attractive place to live in for many talented engineers, not only from Poland.

says Bartosz Ciepluch, Vice President, Datacenter, Al and Networking Poland General Manager at Intel

IT SECTOR

IT is one of the most dynamically developing industries in Pomerania. As a result, the percentage share of the industry in direct foreign investments is growing every year.



Size of IT centers - FTEs



>3000



>1000



>1000

Lufthansa

500 - 1000



>1000



>1000

IT TALENT POOL

	Tricity Area	Catchment Area
Developers	25 500 *	40 000 *
IT Students	8 650 6 550	
Graduates	1 880 per year 950 per year	
Code Academies	1 000+ per year	

^{*} Own estimates based on national statistics (2020)

TOP PROGRAMMING LANGUAGES

Java SQL Python Javascript C# C++ .Net



MARITIME&OFFSHORE

Tricity has a thriving port and shipbuilding industry that stands out from the rest of Poland. The Tricity shipyard's product portfolio includes highly specialized vessels, such as cable layers, heavy-lift jack-up, LNGpowered vessels, wind towers, arctic container ships and exclusive yachts.

Among the completed projects, the heavy-lift jack-up Innovation vessel (built by the Crist shipyard) should be mentioned. Cable layer Siem Aimery (built by the Remontowa Shipyard) is another example of advanced projects delivered in recent years. Siem Aimery alone is one of the most expensive and technologically advanced projects ever undertaken by the Polish shipbuilding industry.



Being at Pomerania, generates for us plentiful of potentials as a shipyard to construct, erect and deliver modern ships. CRIST S.A. is famous for building ships using innovate methods, especially taking care of the environment. So we endeavour to implement innovative technologies and advanced applications shipbuilding with focus on the environment protection by promoting electric or hybrid vessels designed with zero emission at harbour and reduced emission while steaming. To succeed with the market demand, CRIST S.A. is already geared up and ready for the challenges expecting us in key offshore wind farm development trends. Thus our creativity, know-how and the foremost our experience allows us also to stay in competition on global market for EPC construction of modern heavy lift jack-up vessels designated to install wind farms with most demanding windmills of the sizes yet to come.

says Daniel Okruciński, Deputy Commercial Director at Crist S. A.

COMPANIES IN THE REGION



ship repairs and construction of specialized vessels (arctic container ships, heavy-lift jack-up, or LNGpowered vessels, hybrid-powered ferries)



construction of heavy-lift jack-up units



steel structures for the offshore sector and other energy related industry



wind towers



construction of steel structures for the maritime industry



deck winches and engine service

ship repairs



CURRENT OFFSHORE PROJECTS

There are seven wind offshore projects under development on the Polish coast. All the projects have received grid connection agreements and contracts for difference. Almost all the developers have also received the environmental decisions. The tendering process has already started. In February 2022 Polenergia announced that Siemens Gamesa will deliver turbines for Bałtyk projects.

11 GW

93 GW

current wind offshore projects on the Polish coasts by 2040 the potential for the whole Baltic Sea by 2050 (balticwind.eu)

YACHT MANUFACTURING







The Polish yacht industry is the world leader in the most popular segment for 6-9 meters long motor boats (Poland ranks 2, after the USA, in this category). Pomerania region has become one of the EU's top yacht suppliers.

8th

place in the world in the export of yachts and other recreational and sports vessels 5th

place in Europe in the export of yachts 2nd

place in the world in the construction of motor yachts up to 9 meters long

22,000

annual production of motor and sailing yachts in Poland

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AUTOMOTIVE





We have chosen Gdańsk city, located in Pomeranian Voivodeship, for operation of Northvolt's production plant in Poland. Many analyses highlighted the advantages of this location, including logistics aspects and access to qualified workforce.

Support for the investment process provided by the local authorities and organisations like Invest in Pomerania was crucial. We appreciated also access to renewable energy (more than 50% of energy production in Pomeranian region comes from renewable sources) and introduction of pro ecological solutions, like electric public transport.

says Anna Sobolewska, Communications and Public Affairs Director in Northvolt Poland Sp. z o.o.

Poland has for years been one of the largest European manufacturers in the automotive industry. The Pomeranian Voivodeship due to its coastal location and dynamically developing port infrastructure has huge development potential in the automotive sector.

PRODUCTION IN THE SECTOR







Lithium batteries for e-cars



Semi-trailers









Garbage trucks



for e-cars









• APTIV •























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ELECTRONICS



Flextronics International Poland Sp. z o.o. is a world-class manufacturing partner in the electronic industry which executes orders for the top companies from the telecommunication, consumer and industrial electronics sector, as well as other related industries. Within excellent transportation location possibilities by air, land and sea we becomes an attractive area for international investments. By close cooperation with the research centers and local universities, like for example Gdansk University of Technology and University of Gdansk, allows us to hire educated workers with good qualifications in terms of technical abilities and knowledge.

Our industrial park has currently 4 buildings with the total area of 80,000 m² with employment rate exceeding 4,000 workers. Support for entrepreneurs, creates Pomerania Voivodeship a place with variety of diverse economy, which is the foundation of new and advanced technology. All of the above makes it a perfect place for investments and development.

says Stanisław Motylski, General Manager at Flex Poland

The electronics sector is one of the key economic sectors in Pomerania. Pomerania's dynamic development is indicated by the presence of international companies:











10001

















KEY SECTORS













Telecom

Automotive

Defence

Security

Smart Home

Other Industry 4.0 sectors

Products include cameras, lightening systems, control panels, telecom devices, circuit boards, data centre infrastructure, and firmware development.

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CHEMISTRY & BIOTECHNOLOGY

The good condition of the chemistry and biotechnology in Pomerania stems from three reasons: combination of favorable location factors with developed transport infrastructure, availability of higher specialized personnel and research and development infrastructure.

KEY COMPANIES



Biggest Polish cosmetics producer, offering products for face, body and hair care.



Biggest Polish pharmaceutical manufacturer, with around 2,200 employees in Pomerania. It produces drugs used in cardiology, gastroenterology and neurology, as well as over-the-counter drugs.



Polish company, offering antiallergic cosmetics, products for sensitive skin, dermocosmetics, as well as drugs and medical products.

INNOVATIVE MEDTECH COMPANIES IN POMERANIA





Enzyme producer, with laboratories in Gdynia and Gdańsk. From 2021 the company set up 5-years long investment for 10 mln PLN in order to develop their laboratories.



Producer of assistive devices and patient handling equipment. The company has been operating in Pomerania since 2020, with target employment of 250 people.



Company works on innovative diabities treatment, and was created by scientists from the Medical University of Gdańsk.



The clinic carries out research and development projects, being a precursor of new solutions in the field of infertility treatment and diagnostics.

HEAVY CHEMISTRY COMPANIES



Lotos Lab provides services in the field of sampling and laboratory testing of petroleum products, water and sewage. It conducts research and development activities in the area of processing and use of petroleum products.



Company processes more than 10 mln tonnes of crude oil per year. It is also the producer of unleaded gasoline, diesel oil, gas oil and aviation fuel.



Lotos extracts around 28 thousands barrels of oil per day. Company is present in Poland, Norway and Lithuania. At the moment it has 24 active oil extraction concessions.



The company employs more than 5,000 workers what makes it 7th biggest company in Poland and the biggest company in Pomerania.



REAL ESTATE



A CHAPTER WRITTEN IN COOPERATION WITH:









OFFICE MARKET



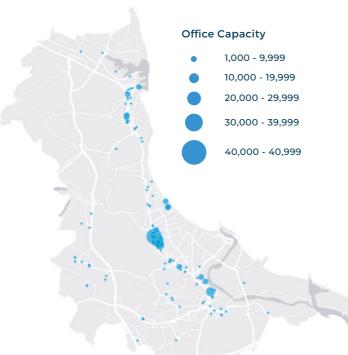
1 mln

the total stock in Tricity in the end of the first half 2022

In 2021, approximately 73,200 m² of modern office space was delivered to the market in four projects, which is 21% more than in 2020. This was the largest volume of new supply among all regional cities.

In July 2022 approximately 70,000 m² of office space was under construction, the completion of which is scheduled for year 2022-2024. A further 150,000 m² remains in the planning phase.

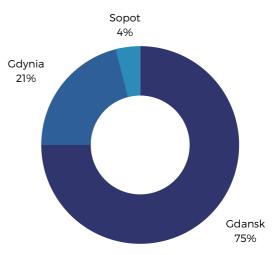
Concentration of the existing modern office space in Tricity



3rd

regional market that offers such a wide range of modern office projects

Modern office stock in Tricity



(Colliers based on PORF data, H1 2022)

office projects have been granted a usage permit in the first half of 2022

Format (16,000 m²) developed by Torus in Gdańsk and K2 (10,900 m²) delivered by Vastint in Gdynia as the largest ones.

In 2021, gross demand for office space in Tricity increased by 23% compared to the previous year and amounted to 108,000 m². The first half of 2022 has finished with 50,100 m² leased by tenants. Majority of this was attributable to new transactions – 59%, while renegotiations have dropped by 29% and expansions accounted for 12%.

Business Services sector was the dominating one – **30%** of leased space, followed by **IT** sector – **20%**.

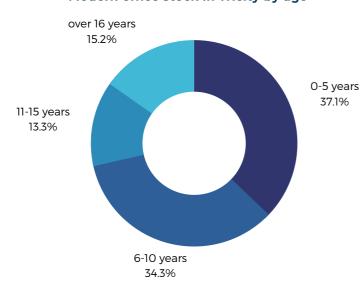
Rental rates in class A buildings

€13.5 - €15.5 m²/month

Rental rates in class B/B+ buildings

€8.5 - €13 m²/month

Modern office stock in Tricity by age



(Colliers based on PORF data, H1 2022)

The vacancy rate

12.7% 23.7%

Gdańsk Gdynia

Selected occupiers in Tricity

Tenant	Building
Airhelp	Olivia Star
Amazon	Alchemia
Arla Foods	Centrum Biurowe Neptun
IHS Global	C200
Intel	Tryton Business House
Nordea	Olivia Star, Tensor
PwC	Olivia Star
Sii	Olivia Prime
SK Hynix	Airport City Gdańsk Alpha
Spaces	Wave A
State Street	Alchemia

The vacancy rate increased by 3 p.p. compared to end of 2021 and in H1 2022 amounted to 15.3%, which translates into 155,000 m² of available office space.

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WAREHOUSING MARKET



Key figures in Tricity (H1 2022)

212,000

the gross demand

182,000

new demand

1,175,000

total stock

0.4%

vacancy rate

137,500

under construction

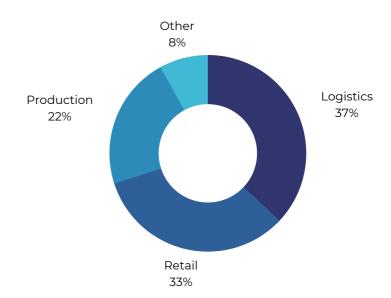
As of Q2 2022 total logistics and industrial stock summed up to 1,175,000 m². Tricity is one of the most dynamically growing markets in Poland, almost doubling its size during the last 3 years. Most of the logistics stock offered in Tricity is concentrated in Gdańsk - Kowale, Airport, Refinery and Port being the most meaningful subzones. The planned extension of the S7 expressway, being a new road ring of Gdańsk will undoubtedly trigger new developments in the western part of the agglomeration next to the new road. In the meantime, destinations out of the agglomeration have also gained significance with Tczew being an example.

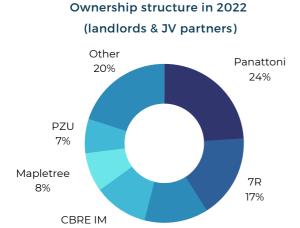


- 99

New demand in Tricity is strongly driven by logistics operators, retail chains and e-commerce players, summing up to almost 70% share in net take-up. Production and manufacturing companies account for a healthy 22% of the demand.

With increasing transhipment of the Gdańsk DCT terminal, the market observes the entry of new players benefiting from proximity to the maritime port. These are both logistics operators and retailers, especially ones exporting from Asia.





GLP

13%

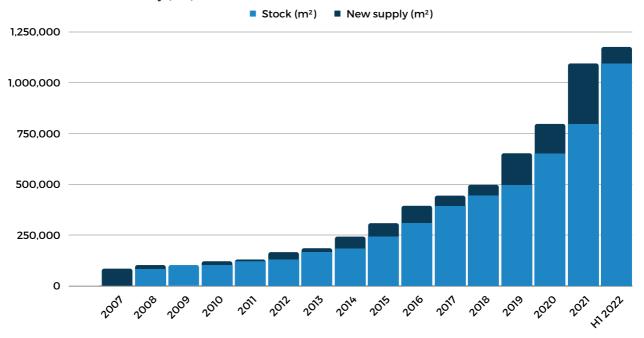
Over 50% of existing stock is concentrated in the hands of the three largest landlords. The presence of multiple top market players reflects the maturity of the logistics market in Tricity.

Logistics market in Gdańsk is thriving, Tri-City being one of the most dynamically developing markets in the country. Strong local consumer market and increasing significance of Baltic Hub, the Gdańsk Deepwater Container Terminal (DCT) are among strongest drivers boosting logistics activity in the region.

says Maciej Kotowski, JLL

Stock evolution in Tricity (m²)

11%



66 -

RESIDENTIAL MARKET



Similar to other main residential markets in Poland, the supply of new housing in Tricity has seen a remarkable growth trend over the years. In the case of multi-family construction, developers had the lion's share of the production - between 85 and even 99%.

The number of completed dwellings



10,000

2021

Residential units (flats or homes) completed in Tricity from 2000 - H1 2022



The Tricity consists of three residential markets of a slightly different nature.

Gdańsk

The largest of them is Gdańsk, where the share in terms of the number of completed units has been around 80% in recent years. This means that during the boom period, developers have been completing annually in Gdansk about 6,000 - 7,000 residential units. A very important element of the city is the old town put on the UNESCO list, in the vicinity of which luxury apartments are being built, often purchased for short-term rental.

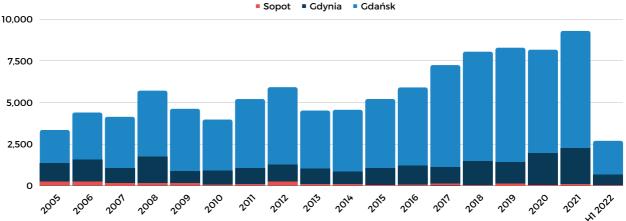
Sopot

Sopot is the smallest market, where only several dozen apartments are delivered every year. This is mainly due to the small size of the city and unique character of it (as a tourist and health resort), as well as the limited possibility of building larger multi-family projects.

Gdynia

Annual housing completions in last years in Gdynia varied from 700 to over 2,000 units. In Gdynia, as in Gdańsk, developers build flats representing all market segments: from popular affordable apartments through centrally located infill buildings to luxury marina types apartments. The seaport is also an important element of the city's landscape.

Residential units (flats or homes) completed in Gdansk, Gdynia and Sopot by developers

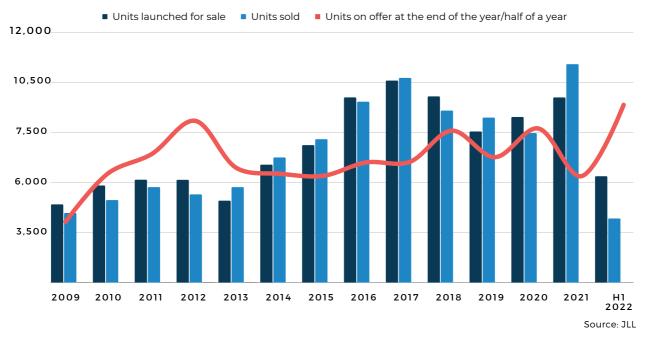


The current state of the new residential market

The Tricity market competes with Kraków and Wroclaw for the second position in the country in terms of the number of units sold annually on the primary market.

In the case of the Tricity, the growing popularity of **short-term rental** was also of great importance due to the tourist nature of the region. All mentioned factors caused that in the Tricity years 2016-2021 were the best period on the market in terms of sales. A record result was recorded in the last year -**almost 11,000 units were sold.**

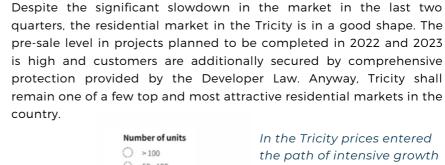


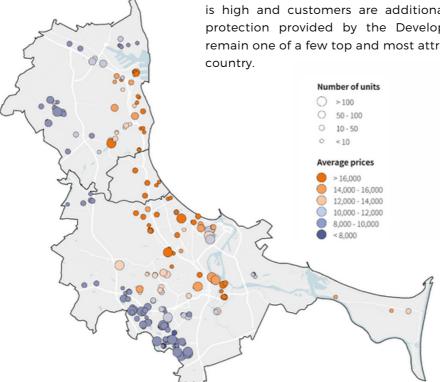


Geography of the offer

Due to its tourist attractiveness, several areas can be distinguished in the region, mainly the seaside area, city center projects and investments located in the south of Gdańsk.

the share of high standard apartments in the offer Located in the most attractive areas of the Tricity, mainly in the coastal strip, investments in the vicinity of the historic Old Town in Gdańsk, Sopot, as well as on the SKM railway axis, which provide excellent transport connections throughout the Tricity and with nearby towns, are also highly valued.





the path of intensive growth in mid-2017. It was the second market, after Warsaw, in which in mid-2020 the threshold of PLN 10,000 / sam was exceeded. At the end of June 2022, the average gross asking price of a residential unit in the Tricity was PLN 12,300 / sqm. The Tricity, just behind Krakow, came third in terms of the average price per square meter in Poland.

TOURISM & HOTEL MARKET



The Pomeranian Voivodeship has been one of the most frequently visited regions in Poland for many years. Before the outbreak of the pandemic, over 3 million people annually used the offer of accommodation facilities, including 0.5 million foreign tourists. These data come from the Central Statistical Office and do not include short-term rental facilities, so the actual number of guests is several times higher. Travel restrictions related to the COVID-19 epidemic have had a significant impact on the number of tourists. In 2020, there was a decrease by 40% to 2 million people. However, in the following year - 2021 - the number of overnight guests in accommodation facilities increased to 2.4 million.

On the other hand, the traffic structure changed - the share of domestic guests in relation to foreign guests increased.

Situation before and after the Pandemic

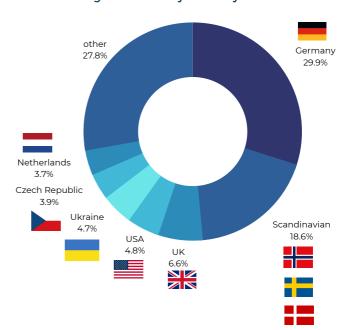




For many years, the largest group of foreign visitors came from Germany - in 2021 they accounted for 29.9% of foreign tourists. The share of Scandinavian residents is also systematically growing, in 2021 it was 18.6%. The next positions were taken by the United Kingdom, the United States of America and Ukraine.

The importance of tourism for the development and condition of the region is evidenced by the expansion of the accommodation base. Over the last 10 years, the number of hotels has increased by 26%, while the number of 5* and 4* facilities have more than doubled - from 22 to 51.

Foreign tourists by country in 2021



Today, guests visiting Pomerania have at their disposal **over 26,000 bed places in hotels, including over 10 thousand in 5* and 4* hotels.**

OUR SUPPORT

INFORMATION

Comprehensive information on the region's economy, key industries, real estate, HR and legal regulations

INVESTMENT OFFERS

Information on currently available investment plots and warehouses

INCENTIVES

Comprehensive information on the currently available financial and operational incentive

LOCATION VISITS

Organized and planned location visits, including reference visits with strategic HR and RE agencies and visits to the actual investment locations

PR & MARKETING

Media announcement of the new investment via a press release or a media event

INVESTMENT SUPPORT

Support in all matters related to setup and construction

EMPLOYER BRANDING

Creating bespoke campaigns to brand the company as an attractive employer via our Live more. Pomerania initiative

TALENT ATTRACTION

Access to Poland's first-ever market-driven, profile-led recruitment platform, for free

BUSINESS DEVELOPMENT

Introduction to local business community, matchmaking and joint marketing efforts at conferences



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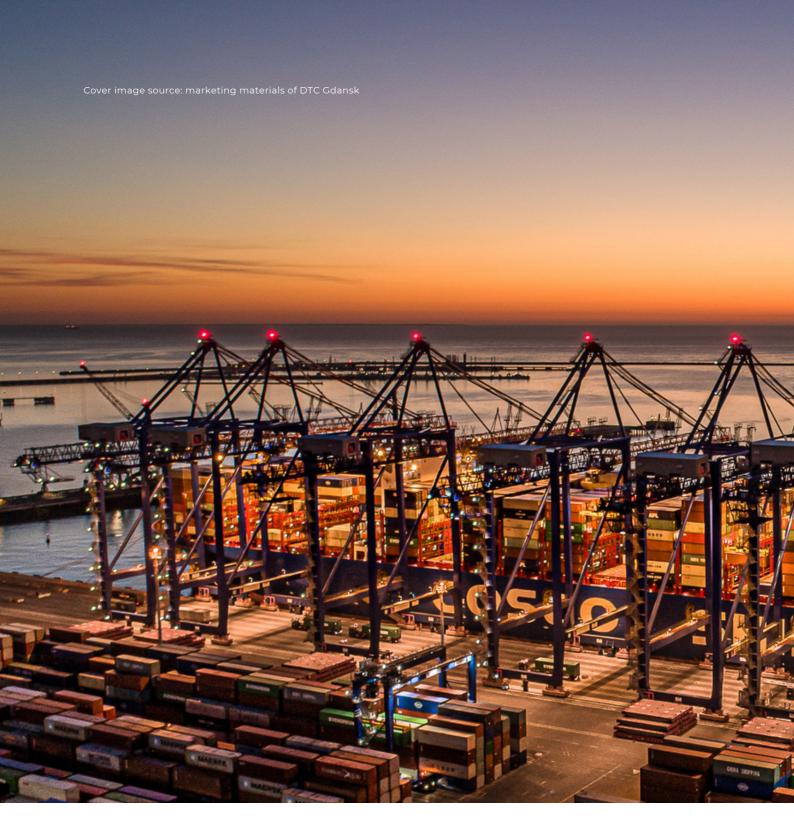
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