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SUSTAINABLE MOBILITY IN KRANJ

Kranj has been promoting itself in the context of sustainable mobility as a green, sustainable, digital and environmentally oriented municipality. For several years now, it has been working hard to put in place systems to promote sustainable mobility, encouraging citizens to change their travel habits by increasing their awareness. However, since there are still not enough users of sustainable forms of mobility, the city is seeking to introduce changes.

Together, we can change the statistic showing that transport emissions in Slovenia come almost exclusively from road transport. According to an opinion poll carried out as part of the ReMobil project, the main reasons for not using public transport are the length of journeys, poor connections and inadequate timetables. Other reasons respondents give for not using public transport include the excessive distances between stations and destinations, the enjoyment of driving, the fact that their trip is usually made by foot, bicycle or scooter, and the fact that public transport is less convenient than travelling by car. At the same time, more than three quarters of respondents understand that sustainable mobility can only be achieved if we begin with manageable distances.

- **KRANJ – mobility, demographics, altitude difference**
 - Kranj's location makes it well integrated into regional transport networks, which provide good mobility conditions for residents and good logistical conditions for companies. Most of citizens' mobility needs are met through the use of the extensive road network, which, due to mass use, has some negative effects on the quality of life. The strong traffic flows generated by commuting, economic activities and tourism development have created a growing need to invest in infrastructure. As, given the existing travel behaviour, the development of most activities is linked to road transport, infrastructure costs and environmental impacts are expected to increase. The long-standing focus on the needs of private motorised traffic alone has often resulted in other road users (pedestrians, cyclists, etc.) being neglected.
 - One of the most important factors contributing to mobility challenges is the location of Kranj's old city centre, namely on a rocky pier 30 meters above the canyon confluence of the Kokra and Sava Rivers.
 - More information on Kranj's Sustainable Urban Strategy is provided in Enclosure 2 at: https://www.kranj.si/files/01_kranj_moje_mesto/tus2030/priloga-2-tus-kranj-2030_analiza.pdf

- **KRANJ JOINS THE EU MISSION: 100 CLIMATE-NEUTRAL AND SMART CITIES BY 2030**
 - Cities have a central role to play in achieving climate neutrality by 2050, which is the goal of the European Green Deal. They cover only 4% of the EU's territory, but 75% of the population lives in them. In addition, cities consume 65% of the world's energy



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and emit 70% of the world's CO2 emissions. The mission will bring together local, regional and national decision-makers, citizens, businesses and investors to:

- achieve the objective of 100 climate-neutral and smart cities by 2030 and
 - ensure that these cities act as experimentation and innovation hubs for other European cities to reach this objective by 2050.
- Kranj has started drawing up its Climate City Contract together with an action plan, a process which will take about one year.

- **PPT**

- To achieve the objectives of Kranj's Integrated Transport Strategy to step up sustainable mobility efforts in the city's surrounding, Kranj is working to increase the use of urban passenger transport to alleviate the pressures of daily commutes, which result in heavy traffic and congestion, especially at peak hours.
- On the basis of selected criteria, the study on public passenger transport stops in Kranj analysed the public passenger transport network and provided suggestions for their better arrangement. Within the municipality, 193 bus stops were considered, which are located on 13 different bus routes. The main disadvantages are the lack of urban furniture, dangerous sections, and the lack of use of public transport by the working population. The opportunities include, in particular, developing and improving public passenger transport to help improve the transport network as a whole (increasing the availability and accessibility of bike rental stations, making the park & ride available at start stops, greening the roofs of bus stops in the city centre, installation of uniform urban furniture, installation of digital bus arrival time displays at major interchanges, implementing a mobility plan for major traffic generators (large companies), safe school routes, installation of new bus stops in more remote areas, possibility of intermodality, more up-to-date access to information, etc.). (SOURCE: The study on public passenger transport stops in Kranj)
- The Municipality of Kranj will purchase eight e-buses for urban transport through the Eco Fund, to be delivered next year at the latest, with four by the end of this year. In addition, e-charging stations for the buses will be installed at three locations.
- Learn more = the link to the document THE STUDY ON PUBLIC PASSENGER TRANSPORT STOPS IN KRANJ)

- **E-MOBILITY**



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- The project, which is expected to be completed in 2035, is based on three pillars. Under the first pillar, 130 vehicles of the municipal administration and public institutions will be replaced with electric ones and charging stations for these vehicles will be installed. Under the second pillar, the concessionaire will install 15 public charging stations or 30 charging points in five locations. The third pillar involves the installation of three solar power plants on the roofs of public buildings. The energy generated will be used to charge electric vehicles, while surplus energy will be stored in local battery storage facilities and will be available to consumers during periods of low or no electricity production.
- The City Administration of Kranj's existing fleet of vehicles will be replaced with electric vehicles. By 2025, the fleets of all institutions and services operating within the Municipality of Kranj will also be replaced with electric vehicles.

- **KRANVAJ + PROSTOFER**

- Kranvaj – a free on-call shuttle is a mini electric bus (accommodates up to 6 people and a wheelchair) that runs free of charge in the pedestrian area, i.e. through the old city centre.
- In 2018, Kranvaj carried 42,023 passengers in 364 days.
- Use: passengers can use Kranvaj by waiting for it at the marked stops. The stops are in Huje, in front of the Kranj City Library, and at Pungert. The passenger can order transport with Kranvaj by phone (+386 31 383 700), or raise their hand and thus instruct the driver to stop. The passenger may pre-order or book transport on the public mobile phone number +386 31 383 700. Reservations are accepted by the driver in person or by phone every day from 8:00 to 19:30. Outside the pedestrian area, users can get on or off Kranvaj at the car park (Huje along Likozarjeva cesta) and at the city passenger transport stop (the Planina-Novi dom stop along Likozarjeva cesta) at the edge of the pedestrian area. Kranvaj is friendly to the elderly, passengers with reduced mobility, and anyone who needs help getting in and out of a vehicle.
- Prostofer – a sustainable all-Slovenian volunteer mobility project for the elderly and persons with disabilities – is aimed at citizens over 65, younger pensioners and persons with disabilities who do not drive themselves, have poor connections to public transport, are recipients of social assistance, have low pensions and have no relatives to provide transport. The communication centre receives calls from citizens on the free phone number +386 80 10 10 every working day between 8:00 and 18:00. It records the caller's details and the location of the transport and informs the driver. Transport must be ordered at least three days before the desired service. Transport



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is provided every working day between 7:00 and 18:00. More at <https://www.kranj.si/kranj-moje-mesto/sociala/starejsi-obcani/prostofer>

- **CAR PARKS and Park & Ride**

- The analysis of the situation in the Municipality of Kranj has identified a shortage of parking spaces, which was determined by taking into account the existing parking standards in Kranj's municipal spatial plan. The analysis identified a shortage of 6,933 parking spaces for private vehicles at the level of the whole city, with the shortage of parking spaces being most pronounced in areas of multi-residential construction (residential neighbourhoods). The analysis identified a shortage of parking spaces for private vehicles in 19 parking zones out of a total of 29 parking zones defined in the area of Kranj.
- Car parks owned by the Municipality of Kranj are managed by Komunala Kranj, javno podjetje, d. o. o. In car parks where parking is payable, users can use cash, credit cards, mobile phones (SMS or EasyPark app), and the Municipality of Kranj parking card, which can be used only in the Brioni car park in front of the municipal building and in the car park of the Community Health Centre.
- More at: <https://www.kranj.si/kranj-moje-mesto/promet/parkirisca>

- **CYCLING INFRASTRUCTURE**

- Kranj's cycling infrastructure measures 76 km.
- Residents and visitors to Kranj can also help improve the municipality's cycling routes. At <https://www.krskolesom.si/crne-tocke>, they can report a black spot, which is then registered and addressed by the city.
- As part of the study, the Municipality of Kranj has already looked into the possibility of creating new one-way links, which would enable the provision of additional cycle links. As a general measure, all one-way roads should allow cyclists to ride in both directions. (SOURCE: The Municipality of Kranj Mobility Study – Integrated study of cycle links, stationary traffic and one-way connections with proposals for sustainable mobility measures in the Municipality of Kranj; see Chapter 3.3.4).
- Kranj is also planning investments in bridges for cyclists and pedestrians over the Sava and Kokra Rivers.



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- **KRsKOLESOM**

- The Kranj bike rental system, which with 75 e-bikes and 95 regular bikes is the largest electrified bike rental system in Slovenia, currently has e-bike and regular bike rental stations at 28 locations. Two tricycles are also available at the stations before the entrance to the city centre, which the city hopes will make the city centre more accessible to people with reduced mobility and facilitate the delivery of small parcels to tenants or building owners, thus further reducing traffic downtown. As part of the construction of the Park and Ride car park in Zlato Polje, a new bike station with space for 20 bikes is also planned.
- Users can rent a bike with their identification card, username and password and via the MOBILN.SI mobile app.
- Municipal employees can use the bikes in the KRsKOLESOM system free of charge, which is a way for the municipality to promote sustainable mobility among its employees.
- The subscription fee for a regular bike is €10/month or €25/year, and for an electric bike €20/month or €50/year.
- KRsKOLESOM is part of the **Gorenjska.bike** system, which now includes eight Gorenjska municipalities.

- **CAR SHARING**

- 100% electric car sharing in Kranj – Avant2Go has 4 locations and 10 cars in Kranj – more at <https://avant2go.si/car-sharing/cities/kranj>

- **KRANJ SUSTAINABLE MOBILITY CENTRE**

- The sustainable mobility centre is a modern cycling rest area with a bike storage and an info point to encourage the use of sustainable ways of everyday travel in Kranj and the surrounding area. It is intended for all public transport users, cyclists, pedestrians, persons with disabilities and car-sharing users and also provides parking and tourist information to visitors.
- The modern one-storey building with a green roof and a total area of 173 m² is located between the Planina 1 and Planina 2 neighbourhoods, on the cycling link 1 Planina Neighbourhood – Primskovo Shopping Centre, next to the public transport bus stop and the KRsKOLESOM/Gorenjska Bike public bike rental system. There are a public car park and e-car sharing parking facilities nearby.



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- The centre also offers workshops on safe cycling and proper bicycle handling, as well as demonstrations on the use of the KRskOLESOM/Gorenjska Bike system and education on road safety and sustainable mobility, and takes proposals and suggestions from citizens in this area.

- **DIGITAL PLATFORM**

- Together with T-2, Kranj is setting up a modern solution that will eventually radically change the way the city is run and open up new possibilities for using data to create a better and healthier life in the municipality. We will actively involve citizens in the process to find out how to improve the quality of their everyday lives with this kind of platform. We are launching the digital platform at the right time, as the European Commission has selected Kranj as one of the 100 climate-neutral and smart cities by 2030, which also commits us to reducing carbon dioxide emissions, increasing mobility, constructing more energy-efficient buildings, and introducing green spaces. We will collect and analyse all these elements to get as close to the European Commission's target as possible.
- This makes the Municipality of Kranj the first municipality in Slovenia to introduce a digital platform at the broadest scale. The platform will support the city's digital services, collecting, processing and presenting key data for better management and improved quality of life in the municipality.
- The concept of the T-2 solution for smart cities is based on the systematic collection and processing of all available data and information (such as existing IoT sensors, databases of existing ICT systems in the municipality and other institutions managed or co-managed by the municipality) relevant for more efficient city management and public service provision, as well as citizens' involvement in providing opinions that are considered by municipal leadership as relevant for decision-making on important challenges and development projects. The communication module is very important in the context of the platform as it allows citizens to log in to the platform with the appropriate identity level via a mobile application. Through this platform and the mobile application, the municipality can interactively communicate with citizens and provide them with information on important events in the local community in order to keep them better informed.

- **CITY CARD**

- With the introduction of the city card system, Kranj will become the first city in Slovenia to offer the most advanced methods of charging for transport services based on the principle of "fair pricing". Users will be charged the best fare, as is already the case in cities such as London, while tourists and visitors will be able to



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use their existing payment card to pay for their travel. In this way, the Municipality of Kranj aims to increase the use of public transport, which is another important step towards a carbon-free or carbon-neutral Kranj by 2030.

- With the launch of the city card system, Kranj becomes the first municipality in Slovenia to introduce the city card at the broadest scale, as the system will introduce a single identification and payment network with both physical and, above all, digitised and virtual cards. The long period of prepaid city cards in Kranj is thus slowly coming to an end.
- With the city card project, the Municipality of Kranj has proved that it belongs to the top European progressive cities. When the system is launched, which is to happen in less than a year, Kranj will become one of the first three cities in the European Union with a tool that connects both public and private providers, citizens and visitors. It is logical, of course, to extend the system to the whole of Gorenjska, as modern digital platform solutions and municipal cards make it possible to connect municipalities.
- The Municipality of Kranj will thus offer its citizens a means of payment and identification that will be the top choice in the user's wallet; the city is also not hiding its ambitions that, in time, the card will become the most used means of payment in the municipality, and most probably even more widely. Citizens or card users will also be able to use this means of payment elsewhere in the world.
- The city card system of the Municipality of Kranj is a system for managing and issuing a contactless identification and prepaid payment card, using the globally established Visa payment scheme; the Visa card is a partner card in this project with NLB Bank.
- Payment through the two largest payment schemes, namely Visa and MasterCard (e.g. bank cards), will also be possible at the city card system's payment points. This kind of payment will be possible when paying for parking, using the city bus, the KRskOLESOM system, and car sharing (identification and payment); the card will also be used as an identification card in the Kranj City Library and for access to restricted areas (the city centre); it is hoped that the card will also be used in the IPPT system (Integrated Public Passenger Transport).