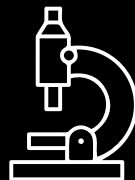




B | R | N | O

SMART CITY BRNO



City of Brno

The current challenges in energy, security and climate change significantly impact places with high concentrations of people in cities. Cities today are not only facing the impact of these crises but are delivering new solutions that open the door to a safer, greener and more sustainable future. **New solutions emerge from systematically promoting R&D and innovations and the courage to experiment and try new ways.** Cities today serve as living laboratories of our shared future. This short publication illustrates the approach of Brno to meet these challenges. How it encourages new solutions and strategies and the courage to experiment. In other words, what makes Brno a Smart City.



Vienna ● ● Bratislava

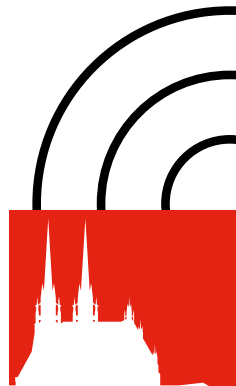
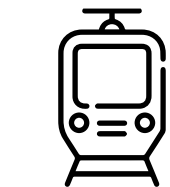
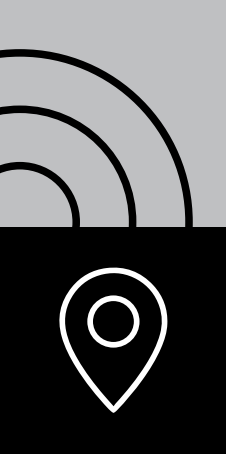
Brno in Numbers

Brno is the second largest city in the Czech Republic and the main commercial centre of the South Moravian Region. It is a university city focused on innovation, research & development.

■ Population	400,000
■ Brno Metropolitan Area	700,000
■ Number of students	65,000
■ Average monthly wage	1,875 EUR
■ Unemployment rate	5,2 %
■ GDP per capita (EU28=100 %)	155 %
■ Number of passengers at Brno airport per year	472,000
■ Green area per inhabitant of Brno	110 m ²
■ For research and development from the Brno city budget	1.7 mil. EUR

data.brno.cz


 data.Brno





Regional Innovation Strategy

The **Regional Innovation Strategy** (RIS) is the basic policy of the **City of Brno** and the **South Moravian Region** for developing economic competitiveness and added value through innovation. It is addressed to all actors of the innovation ecosystem interested in improving the standard of living – to share and make coordinated decisions.



A **partnership approach** is crucial for the RIS – both for achieving its objectives and for successful implementation. **The RIS intends to stimulate good conditions for innovative entrepreneurship in Brno.** Mainly by improving the quality of education, encouraging researchers to engage more with businesses and the local environment, strengthening the region's image, or directly supporting entrepreneurial activities in places where the market has failed.

risjmk.cz/en



RIS JMK

IN.BRNO

Brno invests in its future

The city **supports innovative entrepreneurship with high-added value** as part of the Regional Innovation Strategy. It prevents brain drain, attracts talented students and scientists, and looks after foreign expats. It **promotes science and technology** to the general public as attractive, world-changing fields and promising careers. It **works closely with research centres** to transfer knowledge and insight into the everyday functioning of the city.

Last but not least, it **digitises city services** and invests in caring for newcomers to make them feel at home in Brno. It is fearless to experiment with new solutions that emerge in the municipality and use them in the daily running of the city.

Brno simply remains IN! And national and international awards prove it.

in.brno.cz

IN



Strategy #brno2050

Brno is developing systematically according to Strategy #**brno2050**. It defines strategic values and goals that the city wants to achieve in **5 thematic** areas:

- Environment
- Prosperity
- Services
- Resources
- Governance

For easier implementation, Strategy #brno2050 is divided into 3 parts: **Vision 2050**, **Plan 2030**, and **Projects 2021+**.

We are currently working on Projects 2021+, which contains activities for the coming years. The implementation of these activities is ensured by the Action Plan, which collects projects not only of the city, but also of other stakeholders operating in Brno.

brno2050.cz/en

#brno2050

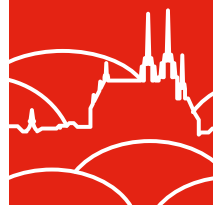
Strategic planning at metropolitan level

The City of Brno does not see itself as unit enclosed in its functional and administrative boundaries, but as a part of a **wider metropolitan area**.

The Brno Metropolitan Area (Functional urban area) consists of **184 municipalities** with about **700 thousand inhabitants**. Brno cooperates with the municipalities in its hinterland for the purpose of the **coordinated and interrelated development of the entire territory**.

The metropolitan area has ensured funding through the **Integrated Territorial Investments (ITI)** tool, and it has developed the **Integrated Strategy for the Brno Metropolitan Area**. The City of Brno also leads the current **national discourse on metropolitan development**.

metropolitni.brno.cz/en



data.Brno

Since 2018 Brno has been operating the data portal data.brno.cz, where it provides its data to the public and thus improves the quality of its services. Anyone can use the city data for their own innovative projects, research, management or to inform themselves about the current state of affairs in Brno.

Thanks to the interactive statistics „**Brno in Numbers**“, a lot of basic information about the city has been brought to the public's attention.

The data portal is widely used by developers or students, for whom the website offers a technologically advanced catalogue with **open data sets**. Enthusiasts will enjoy many long-term interactive statistics about the city and various applications or dashboards.

data.brno.cz



URBIS SMART CITY FAIR

URBIS SMART CITY FAIR presents a clever combination of the fair with an exclusive URBIS conference programme, which will introduce leaders in the field of smart cities.

It takes place on the famous functionalist premises of the **Brno Exhibition Centre**.

Over the course of three days, dozens of representatives of Central European cities and municipalities, and leaders in innovation meet with a single goal – to share experiences, ideas, and examples of practical solutions on how to properly develop the concept of the smart city. So that the citizens can live better in them.

bvv.cz/en/urbis





Brno iD

City services online

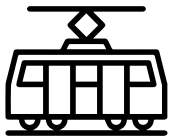
Since 2017, the City of Brno has been developing **an e-shop of city services brnoid.cz**.

It offers **13 standard modules** – public transport, municipal waste, tourist card, library, zoo, sports, observatory, museum, resident parking, municipal cemeteries, participatory budget, support for trees in the city or gift vouchers.

The Brno iD electronic account has over **382,000 users** – residents and visitors of Brno. More than 60% are in the verified „full“ version.

brnoid.cz/en

Brno *iD*



Spitalka

Smart District

Innovations close to the city's heart

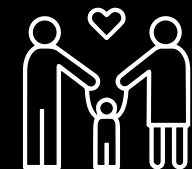
The first smart neighbourhood in Brno will be created with the help of modern technologies and innovative approaches. The attractiveness of the Spitalka Smart District stems from its location near the city centre. The City of Brno has created a development plan that aims to transform the western part of the Brno heating plant, a total **area of 2.5 hectares**, into a lively, modern, and smart district.

PROJECT OBJECTIVES

- To prepare an investment plan and to develop an innovative district called RE:Spitalka.
- To verify the use of smart technologies and approaches for their possible expansion all over the city.
- To create a modern neighbourhood where people can comfortably live, work, and spend their leisure time.

respitalka.brno.cz/en

re:ŠPITÁLKA





MUNISS

Interuniversity student competition



The main aim of MUNISS is to strengthen cooperation between the City of Brno and talented students and to get their opinions and ideas on the city's challenges.

The competition started in **2011** and includes students from Masaryk University, Mendel University and Brno University of Technology. In total, more than **530 students** have passed through the competition, creating over 100 student teams.

They have focused on more than **40 topics**, including a proposal of the Spitalka Smart District, the Creative Centre in Brno's former penitentiary or development of the city identity – Brno iD.

in.brno.cz/projekty/muniss



Brno PhD Talent

Scientific scholarships from the city

The Brno PhD Talent scholarship programme motivates and supports talented students for doctoral studies, supports the development of their strategic research management skills and strengthens their ties with the city.

The Brno PhD Talent project has already had **12 competition seasons**, during which it has provided support for more than **250 talented students**.

Scientific scholarships also help local research team leaders attract talented students from abroad. Since **2009**, the City of Brno has contributed more than **EUR 3,8 million to the programme**.

in.brno.cz/projekty/brnophdtalent



Brno Expat Centre

Free service supported by the City of Brno, helping skilled foreign professionals and their families living (or planning to live) in Brno.

Expats come to the centre to solve a variety of issues connected with their new life in Brno. They can either find their solution in an online library of guides, or contact an expert directly, for a consultation or assistance on the spot.

The centre also organises several events a month, for networking and education. Subscribe to their monthly newsletter to stay posted about expat-relevant happenings across Brno.

Helping with:

residence permits, medical services, housing, family, taxes, business, driving, schools, leisure.

brnoexpatcentre.eu



Popularization of science

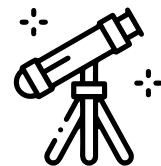
Brno invests in future generations

Curiosity, love for science and technology and the desire to improve the world are awakening in the youngest generation. The unconventional activities of the **Brno Observatory and Planetarium** are helping to make this happen.

The **space and electron microscopy industries** have their own festivals in the city for the general public so that people can be proud to live in a city that produces 30 % of the world's electron microscopes.

The **VIDA! science centre**, stretched over an area of 6200 m², and **FabLab Brno**, which offers an open prototyping workshop and a truck with a mobile workshop equipped with an electron microscope for primary and secondary schools, are also dedicated to the popularization of science.

in.brno.cz



Innovative business

We help put good ideas into practice

Brno is a place where innovative ideas with a positive impact are implemented and turned into services and products with high added value. Thanks to the **Prototype and Verify project**, we can help to do this at an early stage of development.

Collaboration is a key role, so we facilitate connecting actors from the private, academic and public sectors. An example is the new **Life Sciences 4.0 platform** which brings together stakeholders from the life sciences industry.

It is important to share the results of our work, which is why we support cross-border networking and external partnerships of institutions from our region through the **International Trade Centre**.

in.brno.cz/projekty



JIC

Cultural and Creative Industries

The City of Brno supports creative industries to encourage the growth and entrepreneurship of **talented creatives** and involve them in the development of the city.

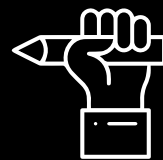
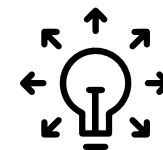
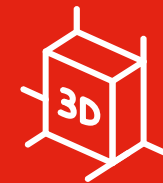
Creative Brno helps **creatives both informatively and financially**. It also presents Brno as a city of creativity and innovation.

The development of creatives will be helped by the launch of the **Brno Creative Centre**, which will provide facilities for creativity.

The conversion of the former prison into a creative centre will save the abandoned building, build **space for creative entrepreneurs**, and revitalise the area close to the city centre.

kreativnibrno.cz/en

CREATIVE BRNO





Prepare Brno

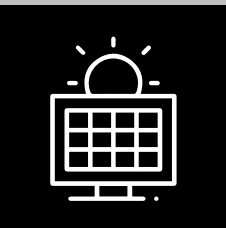
Brno has signed **the Covenant of Mayors** and since 2019 has a **Sustainable Energy and Climate Action Plan SECAP**. It is doing its best to lead by example in its implementation. We want Brno to be greener and healthier.

Reducing CO² emissions by 40% by 2030 is a big commitment, so citizens are informed about **10 simple steps to follow**. They can also take advantage of subsidy programmes with an allocation of almost 3 million €.

A lot of Brno companies and organisations have also joined in. The aim is to reduce greenhouse gases in energy consumption, production and operation, building use or construction activities. **Brno also has a specific memorandum for the occasion, which already has more than 80 signatories and 10 steps on how a specific company can contribute.**

priprav.brno.cz

#PripravBrno



Other smart projects

Brno is a laboratory of the future

Dáme na vás! (We give it to you!) Since 2017, the citizens of Brno have proposed 35 projects that have changed the face of the city. These ranged from support for parents of children with cancer to new library branches or a city gallery on the outer wall of buildings.

The **C-ROADS project** utilises cooperative intelligent transport systems for citizens' safety on the streets and at intersections. Smoother and safer transport is vital to the quality of life in cities.

The **Brno Technology Park** is where the lab of the future pilot project began. It allows startups to implement their first contracts in a place that aspires to be the green, technological heart of Brno's digital industry.

damenavas.cz
bkom.cz/smart-city
technologypark.cz/en

Dáme na vás



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