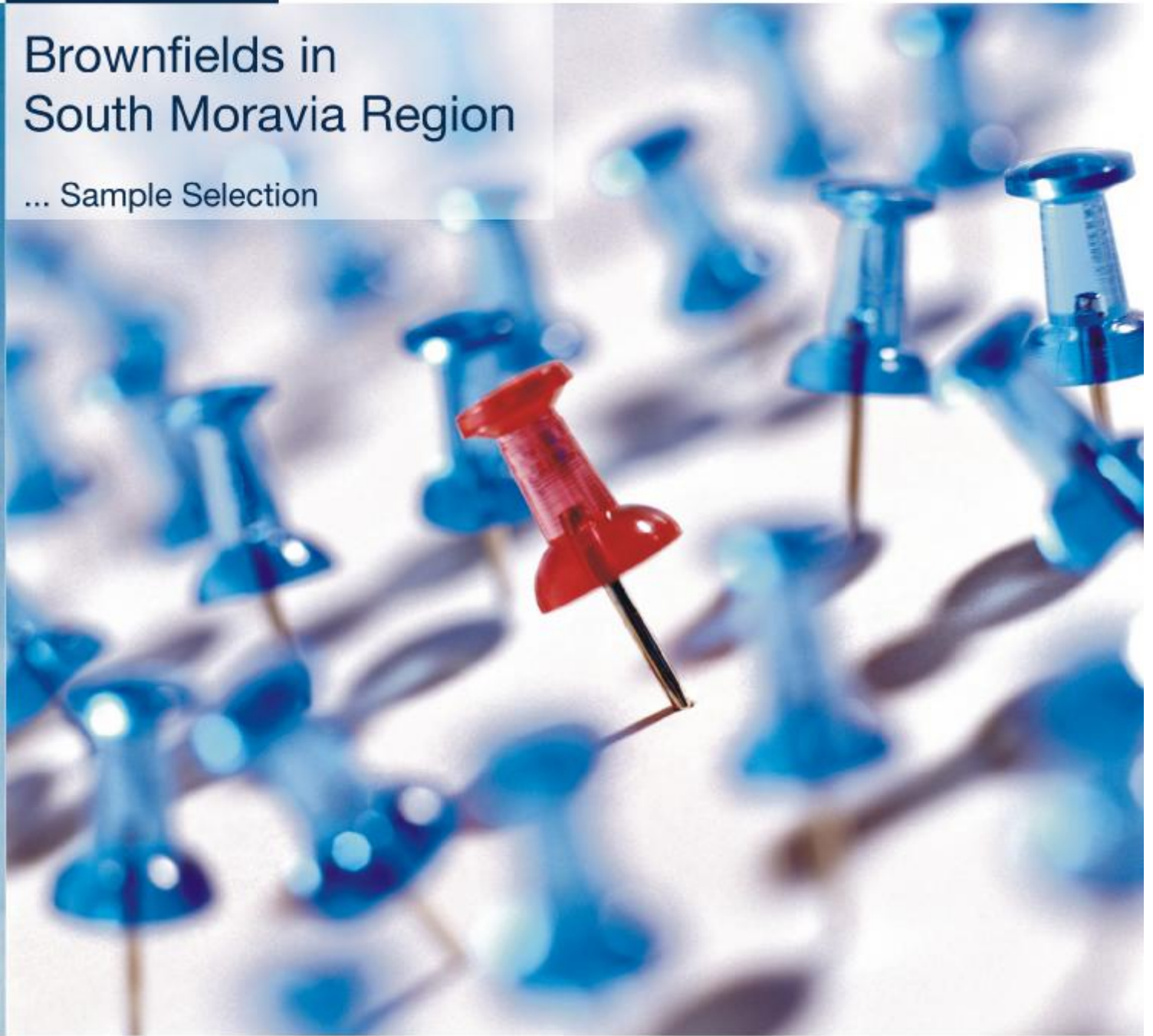


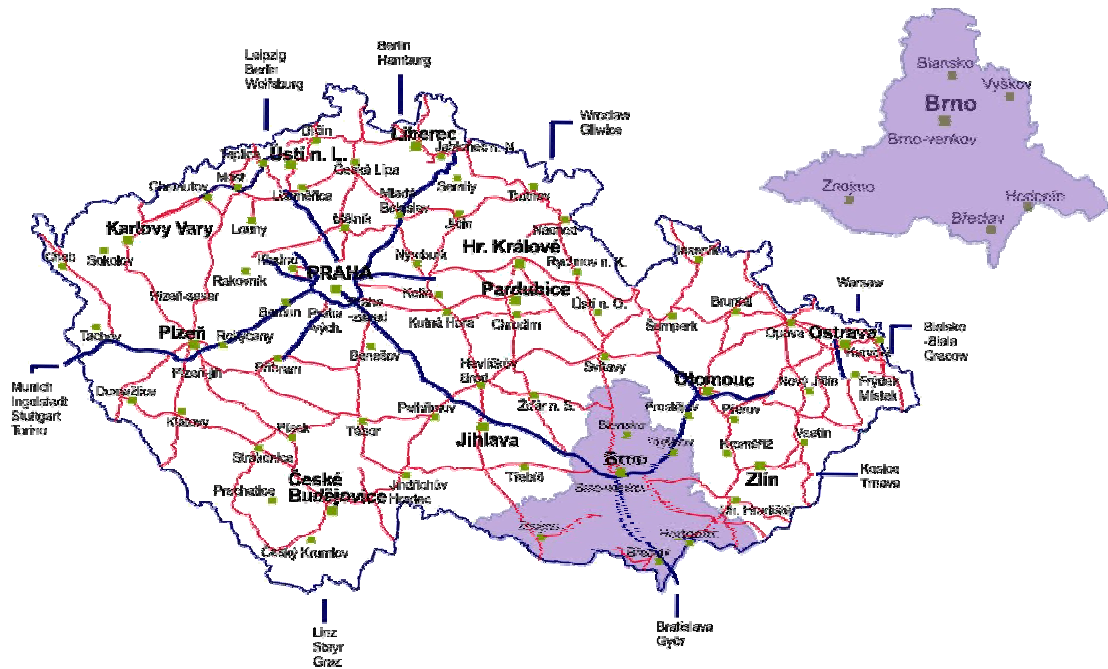
CZECH REPUBLIC

Brownfields in South Moravia Region

... Sample Selection



South Moravia Region



Basic information

The South Moravia region is situated in the southeast part of Moravia. It shares borders with Austria and Slovakia. The region's largest cities are Brno, Blansko, Vyškov, Znojmo and Hodonín.

The South Moravia region is a traditionally important and diversified industrial production area. The major industrial branch is engineering. Textile, food, chemical and pharmaceutical production has a long-established tradition. An increase has been recorded in recent years in electrical engineering, IT industries, pharmaceuticals, biotechnology and medical technology.

General information	
Regional capital	Brno
Area (in km ²)	7 066
Total population*	1 132 350
South Moravia districts:	
• Blansko	108 666
• Brno - město	366 755
• Brno - venkov	174 838
• Břeclav	123 158
• Hodonín	157 114
• Vyškov	87 371
• Znojmo	114 448
Population density (per km ²)*	160

The city of Brno is an important centre of university education. It is home to Masaryk University, the Technical University, Mendel College of Agriculture and Forestry, the Veterinary and Pharmaceutical University, the Janáček Academy of Performing Arts and the Military Academy.

*in January – September 2006

Macroeconomic indicators

Unemployment

Czech Republic		7.7%	South Moravia Districts	
South Moravia Region			Blansko	6.7%
• rate		8.8%	Brno - město	7.9%
• figure		55 230	Brno - venkov	5.7%
			Břeclav	9.6%
			Hodonín	13.3%
			Vyškov	6.8%
			Znojmo	13.6%
Gross monthly wages (in EUR*) (without social and health contributions of 35%)				
Czech Republic			690 EUR	
South Moravia Region			623 EUR	

Q1 – Q3 2006; Source: Ministry of Labour and Social Affairs, Czech Statistical Office

* 1 EUR = 28,441 CZK (Q1 – Q3 2006, Czech National Bank)

Companies in the region

Selected companies in the region

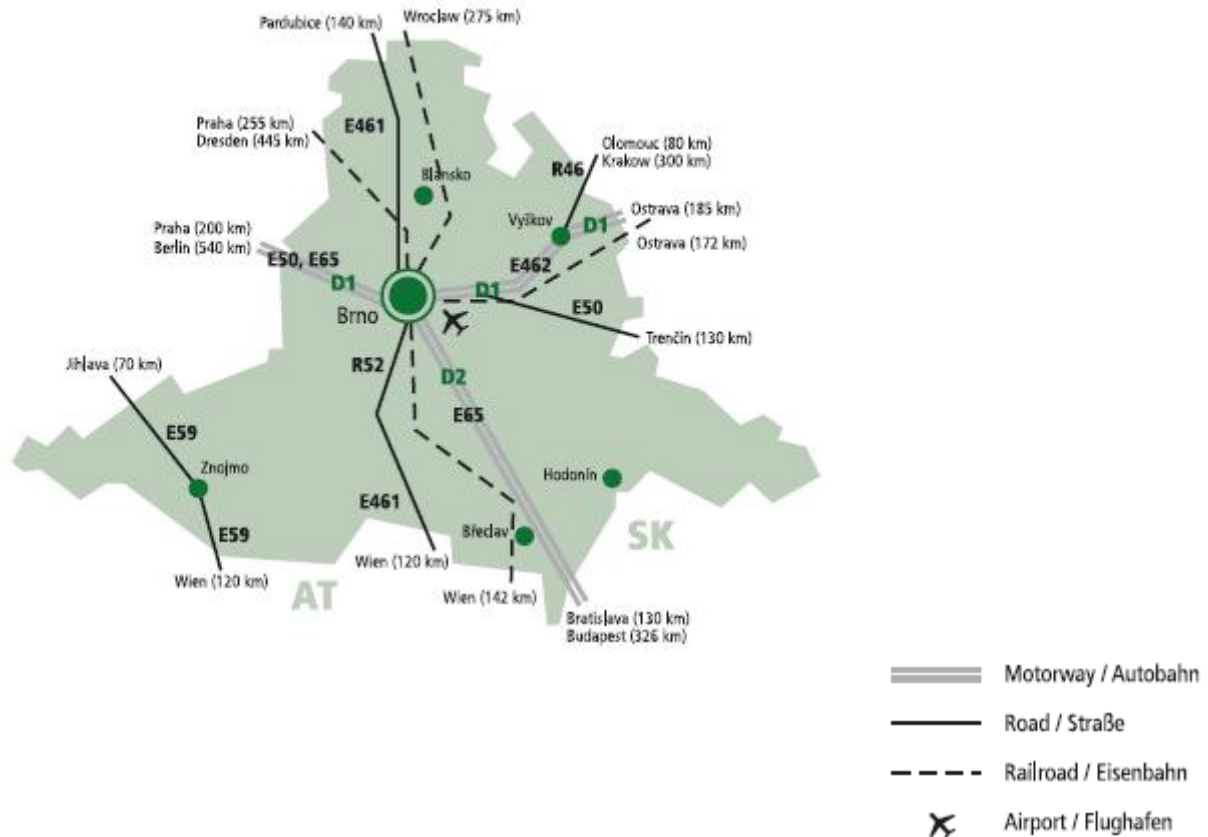
Name of company	Country of origin	Sector	Location	CzechInvest project
Acer Computer	Taiwan	IT	Brno	CzechInvest project
Aguna	Switzerland	Precision engineering	Brno	CzechInvest project
Alstom Power	Czech Republic	Electrical engineering	Brno	
BenQ	Taiwan	Electronics		CzechInvest project
Blata	Czech Republic	Automotive industry	Blansko	CzechInvest project
Celestica	Canada	Electronics	Ráječko	CzechInvest project
Daikin Industries	Japan	Precision engineering	Brno	CzechInvest project
Flextronics	USA	Electronics	Brno	CzechInvest project
GigaByte Technology	Taiwan	Electronics	Brno	CzechInvest project
Hartmann – Rico	Germany	Pharmaceutical industry	Veverská Bítýška	CzechInvest project
Honeywell	USA	Precision engineering	Brno	CzechInvest project
I.Q.A.	Czech Republic	Pharmaceutical industry	Modřice	CzechInvest project
IBM	USA	Other	Brno	CzechInvest project

Infosys Technologies	India	Other	Brno	CzechInvest project
Linde + Wiemann	Germany	Automotive industry	Břeclav	CzechInvest project
Logica	Netherlands, UK	Software	Brno	CzechInvest project
Lohmann & Rauscher International	Austria	Health care	Slavkov u Brna	CzechInvest project
Lufthansa	Germany	Call center	Brno	CzechInvest project
MERGON GROUP	Ireland	Plastics industry	Brno	CzechInvest project
Pliva - Lachema	Czech Republic	Pharmaceutical industry	Brno	
PPG Industries	USA	Financial and accounting operations	Modřice	CzechInvest project
Saint-Gobain Vertex	Germany	Construction materials	Znojmo	CzechInvest project
Tyco	USA	Electro-technology, other	Brno, Kuřim	CzechInvest project
Zetor Trade	Czech Republic	Engineering	Brno	

Source: CzechInvest, Dun & Bradstreet, 2006

Transportation

The South Moravia region has the second largest highway and first-class road network in the country. The east-west D1 highway (Prague – Vyškov) bisects the region and links up with the R46 dual-carriage way to Olomouc. The southbound D2 highway extends from Brno to Bratislava. Both the 1st and 2nd international rail corridors (Berlin – Prague – Brno – Budapest and Vienna – Ostrava – Warsaw) pass through the South Moravia region, intersecting in Břeclav. There is also an international airport – The Brno - Tuřany Airport – near Brno and the Vienna international airport is approximately 120 km away.



Source: Ministry of Transport, www.mdcr.cz

Human resources

School system			
Type of school	Number of schools	Number of students	Number of graduates
Secondary schools	171	66 969	15 988
• Technical fields	57	20 509	5 517
• Economic fields	69	15 409	4 076
• ICT fields	26	6 155	1 627
Higher schools	16	3 668	1 043
• Technical fields	4	274	88
• Economic fields	4	501	159
• ICT fields	1	149	53
Universities	14	62 644	10 263
• Technical oriented	2	19 291	2 616
• Economic oriented	9	9 212	1 838
• ICT oriented	3	6 178	1 050

Source: Institute for Information on Education (ÚIV)

Methodology:

Number of schools – total number of school subjects (possible duplicity in combination of some subject)

Number of students – for 2005/2006 school year (high schools, higher schools – as of 30. 9. 2005, universities – as of 31. 10. 2005)

Number of graduates – for 2004/2005 school year, all university graduates for calendar year 2005 (from 1 January 2005 – 31 December 2005)

Secondary schools – number of high schools, skilled and apprentice high schools (e. g. Vocational training centres, Secondary specialised schools, Grammar schools)

Higher professional schools (colleges)

Universities

Representation of professional classes	
Selected professional classes	Regional representation in %
Legislators, senior officials and managers	4.6
Professionals	12.0
Clerks	8.2
Service workers and shop and market sales workers	11.4
Skilled agricultural and forestry workers	1.7
Craft and related trades workers	18.9
Plant and machine operators and assemblers	11.9
Elementary occupations	6.2
Armed forces	0.3
Technicians and associate professionals	25.0
of which:	
• Physical and engineering science assoc. professionals	29.4
• Life science and health associate professionals	16.2
• Teaching associate professionals	5.8
• Other associate professionals	48.7

Source: ČSÚ; annual average 2005; according to CSU

List of useful contacts

Useful contacts		
Schools		
International schools (foreign-language speaking)		
Pony	Pre-elementary school (English)	Křídlovická ul., Brno
Tomket	Pre-elementary school (English)	Dunajevského, Brno
MŠ – Staňkova 8	Pre-elementary school (English)	Staňkova, Brno
Mateřídouška	Pre-elementary school (English)	Jiráskova, Brno
European Basic School in Brno	Elementary school (English)	www.ebsbrno.com
Zweisprachiges Gymnasium Znojmo	Secondary school (German)	Znojmo
Lycée Matyáš Lerch	Secondary school (French)	Brno
Filière d'administration publique de Brno (Université Masaryk)	University (French)	Brno
Universities		
Academy Sting Brno	Economics, taxes	www.sting.cz
B.I.B.S., a. s. Brno International Business School	Economics	www.bibs.cz
Masaryk University in Brno	Various programs	www.muni.cz
Mendel University of Agriculture and Forestry in Brno	Agriculture, forestry	www.mendelu.cz
Newton College	Management, economics	www.newtoncollege.cz
Rašín University in Brno	Economics, law	www.ravys.cz
University of Veterinary and Pharmaceutical Sciences Brno	Veterinary, pharmacy	www.vfu.cz
University of Karel Engliš	Economics	www.vske.cz
Technical University Brno	Technical fields	www.vutbr.cz
Utility providers		
Gas	Jihomoravská plynárenská, a. s.	www.jcp.cz
Electricity	E.ON Česká republika, a. s.	www.eon.cz
Water and sewage	Brněnské vodárny a kanalizace, a. s.	www.bvk.cz
	Vodovody a kanalizace Vyškov, a. s.	www.vak.vyskov.cz
Heat	Vodovody a kanalizace Hodonín, a. s.	www.vak-hod.cz
	STOS – TZ Brno, s. r. o.	
	Teplárna Kyjov, a. s.	
	Teplárny Brno, a. s.	www.teplarny.cz
	Tepelné zásobování Brno, a. s.	www.tezabrno.cz
	VUSTERM, a. s.	www.vuste.cz
	Zásobování teplem, s. r. o.	www.zt-blansko.cz
Regional contacts		
Town Hall – Brno		www.brno.cz
Regional Council		www.kr-jihomoravsky.cz
Regional Chamber of Commerce South Moravia		www.ohkbrno.cz

Aggregate statistics of brownfield sites in the South Moravia region

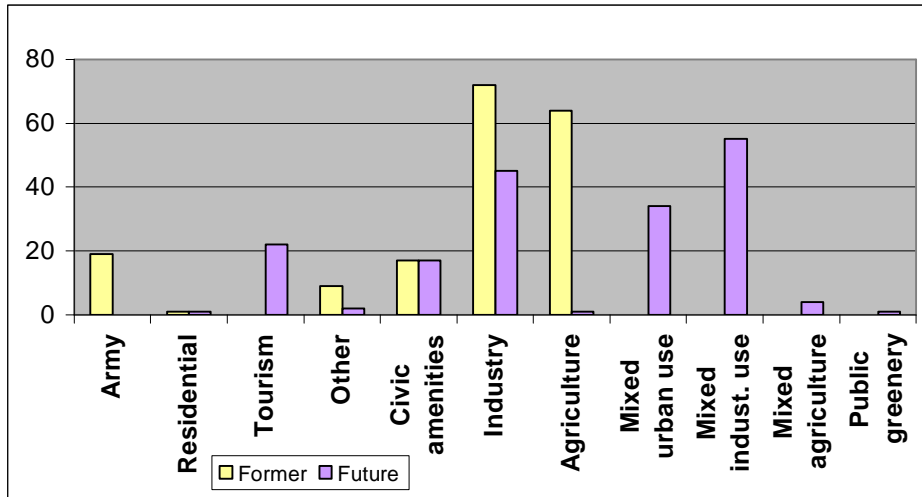
Structure of their original use

Former prevailing use of locality	Frequency	%	Area (ha)	%
Industry	72	39,6	619,8	52,5
Agriculture	64	35,2	273,0	23,1
Army, military spaces	19	10,4	228,3	19,3
Civic amenities	17	9,3	39,8	3,4
Other	9	4,9	18,4	1,6
Residential	1	0,5	2,0	0,2
TOTAL	182	100	1181,1	100

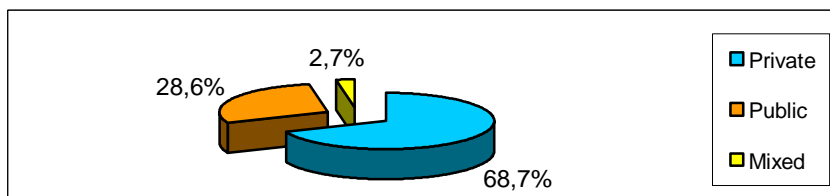
Structure of their future use

Most suitable future use of locality	Frequency	%
Mixed industrial use	55	30,2
Industry	45	24,7
Mixed urban use	34	18,7
Tourism, spa, hotels	22	12,1
Civic amenities	17	9,3
Mixed agriculture	4	2,2
Other	2	1,1
Residential	1	0,5
Agriculture	1	0,5
Public greenery	1	0,5
TOTAL	182	100

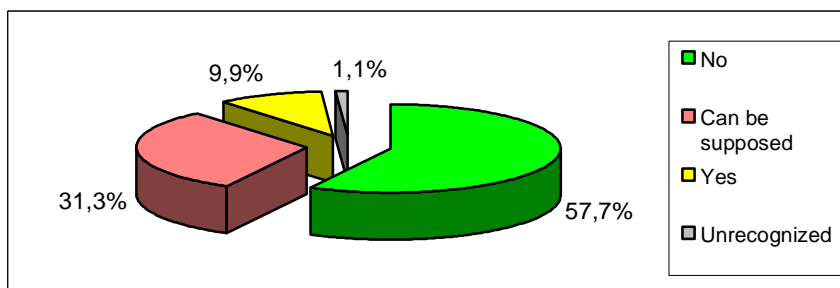
Comparison of their original and future use



Ownership

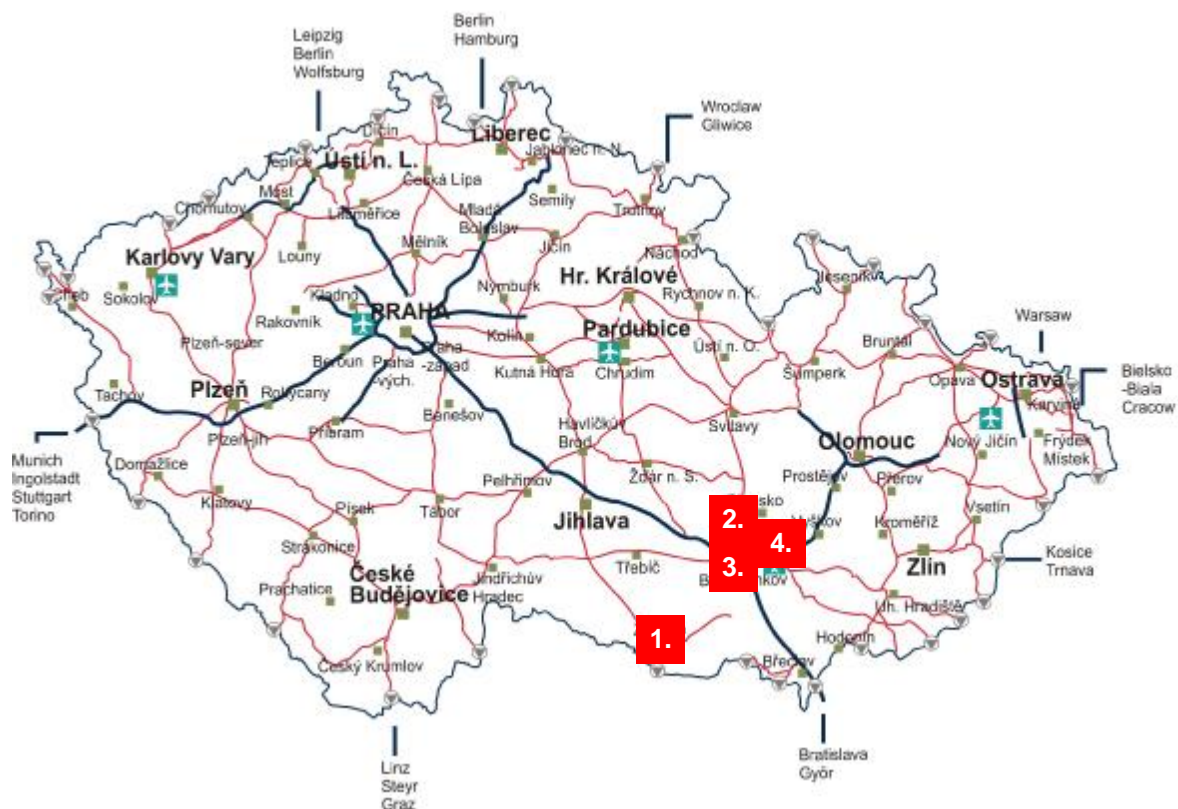


Ecological burdens



Sites

1. Znojmo – Fruta
2. Kurim – TOS
3. Zastavka u Brna
4. Brno – Zetor



1. Znojmo - Fruta

General Information		
Total area of brownfield (in m ²)	100 772	
Location	Region	South Moravia
	District	Znojmo
	Town	Znojmo
	Address	Znojmo, Dobsicka Street
Land ownership	<input checked="" type="checkbox"/> private <input type="checkbox"/> public 1 private owner – VHS plus, s.r.o.	
Zoning	<input checked="" type="checkbox"/> industry <input type="checkbox"/> logistic <input type="checkbox"/> service <input type="checkbox"/> commerce	

Site specification

The company Fruta Znojmo was traditional producer of sterilized fruit and vegetable (especially cucumbers). The whole area dates back to fifties of 20th century and since nineties has been abandoned and is continuously dilapidating. Current owner of this very favourably located site plans to renovate it and offer it for light industry and logistics.



Transport infrastructure

	Distance from site (in km)	Name
Highway	62 km	D1 (Prague – Brno)
Express way	37 km	R52 (Brno – Mikulov – Austria/Wien)
Intern. Airport	68 km	Brno Turany
Railway	2 km	Znojmo
Railway siding	<input checked="" type="checkbox"/> on site <input type="checkbox"/> possible to build <input type="checkbox"/> not possible	



Infrastructure

	Distance from site (in m)	Voltage / Pressure	Pipe diameter	Capacity
Electricity	on site	600 – 1 000 kW		
Drinking water	on site		125 mm	70 m ³ /hour
Service water	on site		150 mm	100 m ³ /hour
Well	-			
Sewage	on site		300 – 500 mm	2 000 m ³ /hour
Gas	on site	0,1 MPa	100 mm	

Ecological studies

Hydrogeological survey	<input type="checkbox"/> has been conducted
Environmental audit	<input checked="" type="checkbox"/> has been conducted
Eventual limitation of utilization	There should not be any ecological burdens.



2. Kuřim - TOS

General Information		
Total area of brownfield (in m ²)	76 000	
Location	Region	South Moravia
	District	Brno - suburban
	Town	Kurim
	Address	Kurim, Blanenska Street
Land ownership	<input checked="" type="checkbox"/> private <input type="checkbox"/> public 4 private owners	
Zoning	<input checked="" type="checkbox"/> industry <input checked="" type="checkbox"/> logistic <input type="checkbox"/> service <input type="checkbox"/> commerce	

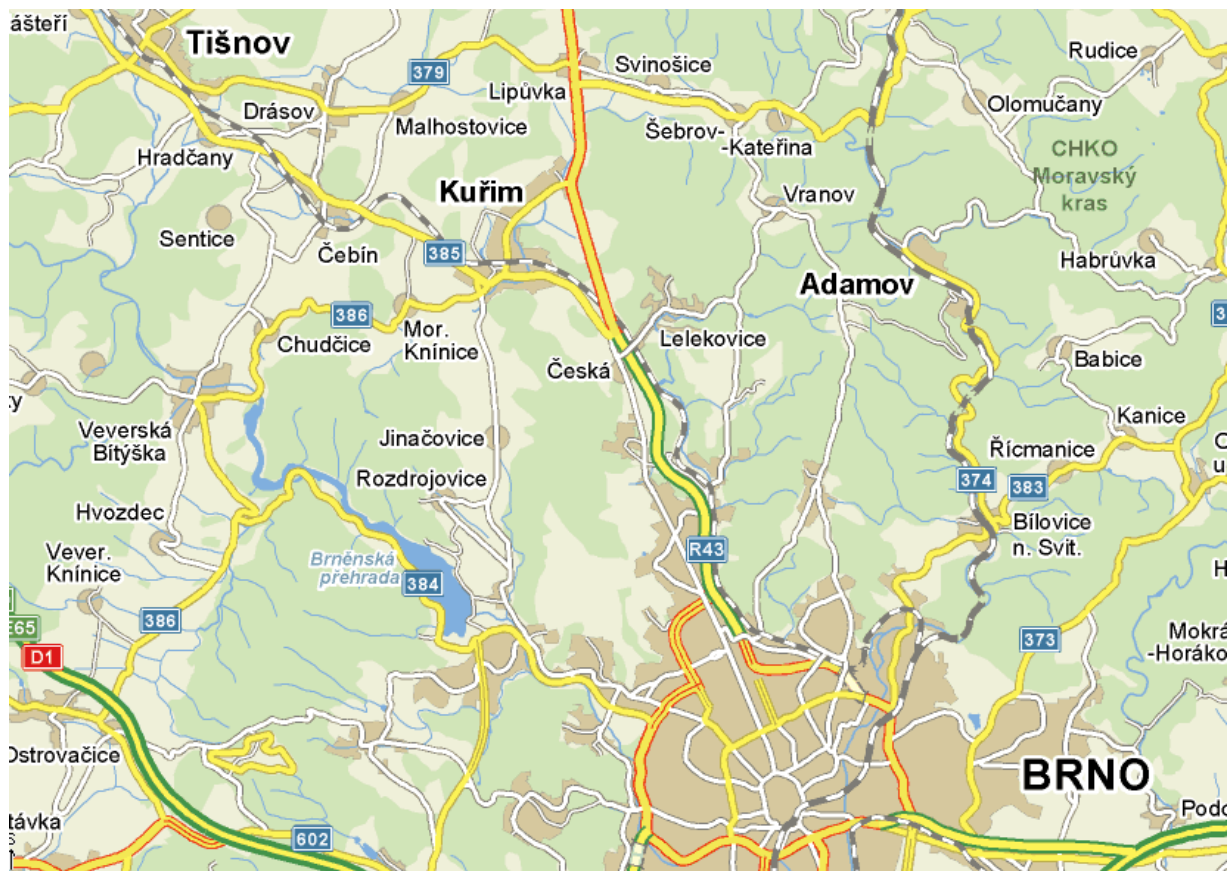
Site specification

The company TOS Kurim, a.s. belongs to the oldest manufacturers of milling machines, special machines, and automatic machining transfer lines in the Czech Republic. The site lies on the northern outskirts of the city and was built in 1942. The land is mostly vacant with the exception of an extensive hardening shop and other small buildings.



Transport infrastructure

	Distance from site (in km)	Name
Highway	18 km	D1 (Prague – Brno)
Express way	1 km	R43 (Brno – Svitavy)
Intern. Airport	25 km	Brno Turany
Railway	3 km	Kurim
Railway siding	<input checked="" type="checkbox"/> on site <input type="checkbox"/> possible to build <input type="checkbox"/> not possible	



Infrastructure

	Distance from site (in m)	Voltage / Pressure	Pipe diameter	Capacity
Electricity	on site	7 800 kW		
Drinking water	on site		80 mm	72 m ³ /hour
Service water	on site		150 – 250 mm	400 m ³ /hour
Well	-			
Sewage	on site		300 mm	250 m ³ /hour
Gas	on site	2 MPa	80 mm	

Ecological studies

Hydrogeological survey	<input type="checkbox"/> has been conducted
Environmental audit	<input checked="" type="checkbox"/> has been conducted



3. Zastávka u Brna

General Information		
Total area of brownfield (in m ²)	89 380	
Location	Region	South Moravia
	District	Brno - suburban
	Town	Zastavka u Brna
	Address	Zastavka u Brna, Lipova street
Land ownership	<input checked="" type="checkbox"/> private <input type="checkbox"/> public 1 private owner	
Zoning	<input checked="" type="checkbox"/> industry <input type="checkbox"/> logistic <input type="checkbox"/> service <input type="checkbox"/> commerce	

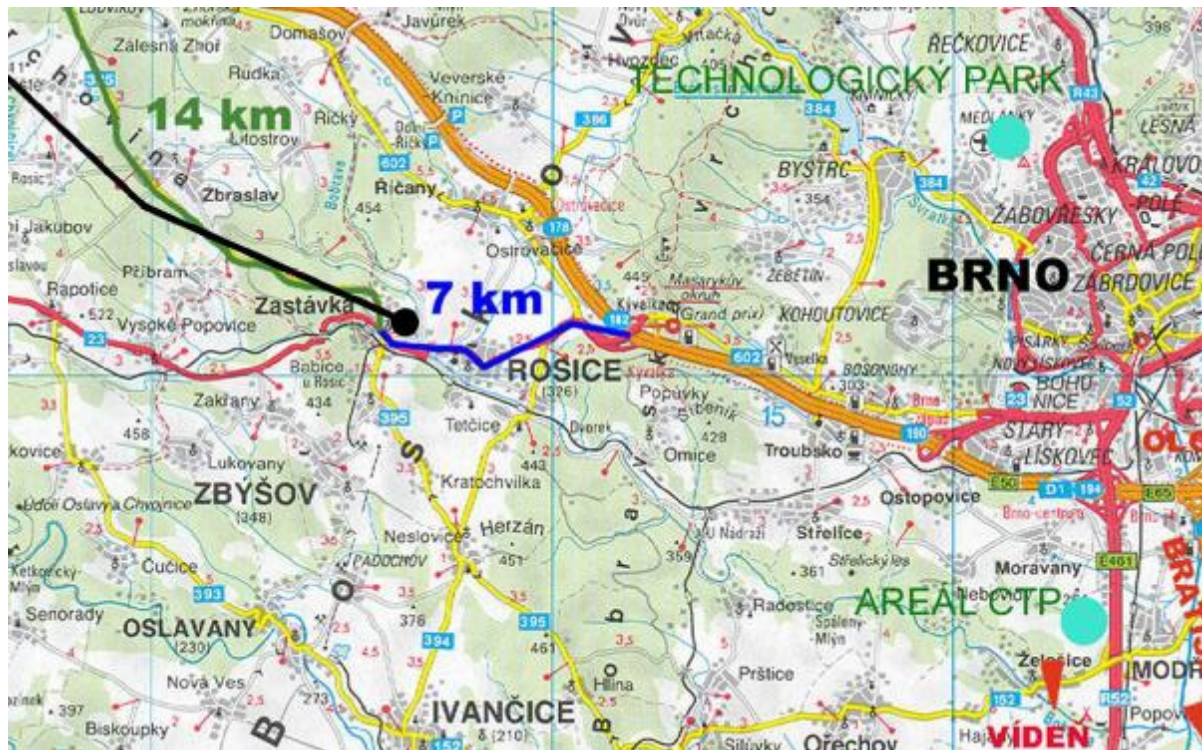
Site specification

It is a location to the west of Brno in the municipality in the existing industrial premises, where construction of new production halls is assumed. Connection to the motorway network – motorway D1 – possible either in the direction to the east, which is in the distance of 7 km (slip road Kývka) or in the western direction in the distance of 14 km (slip road Velká Bíteš).



Transport infrastructure

	Distance from site (in km)	Name
Highway	8,0 km	D1 (Prague – Brno)
Express way	-	-
Intern. Airport	22,0 km	Brno Turany
Railway	0,5 km	Zastavka u Brna
Railway siding	<input type="checkbox"/> on site <input checked="" type="checkbox"/> possible to build <input type="checkbox"/> not possible	



Infrastructure

	Distance from site (in m)	Voltage / Pressure	Pipe diameter	Capacity
Electricity	on site	170 kW		
Drinking water	on site		150 mm	
Service water	on site			
Well	-			
Sewage	on site		200 mm	
Gas	on site		100 mm	

Ecological studies

Hydrogeological survey	<input type="checkbox"/> has been conducted
Environmental audit	<input type="checkbox"/> has been conducted
Eventual limitation of utilization	Locality is undermined.



4. Brno - Zetor

General Information		
Total area of brownfield (in m ²)	240 000	
Location	Region	South Moravia
	District	Brno – city
	Town	Brno
	Address	Brno
Land ownership	<input checked="" type="checkbox"/> private <input checked="" type="checkbox"/> public City of Brno is purchasing the site from different private owners.	
Zoning	<input checked="" type="checkbox"/> industry <input type="checkbox"/> logistic <input type="checkbox"/> service <input type="checkbox"/> commerce	

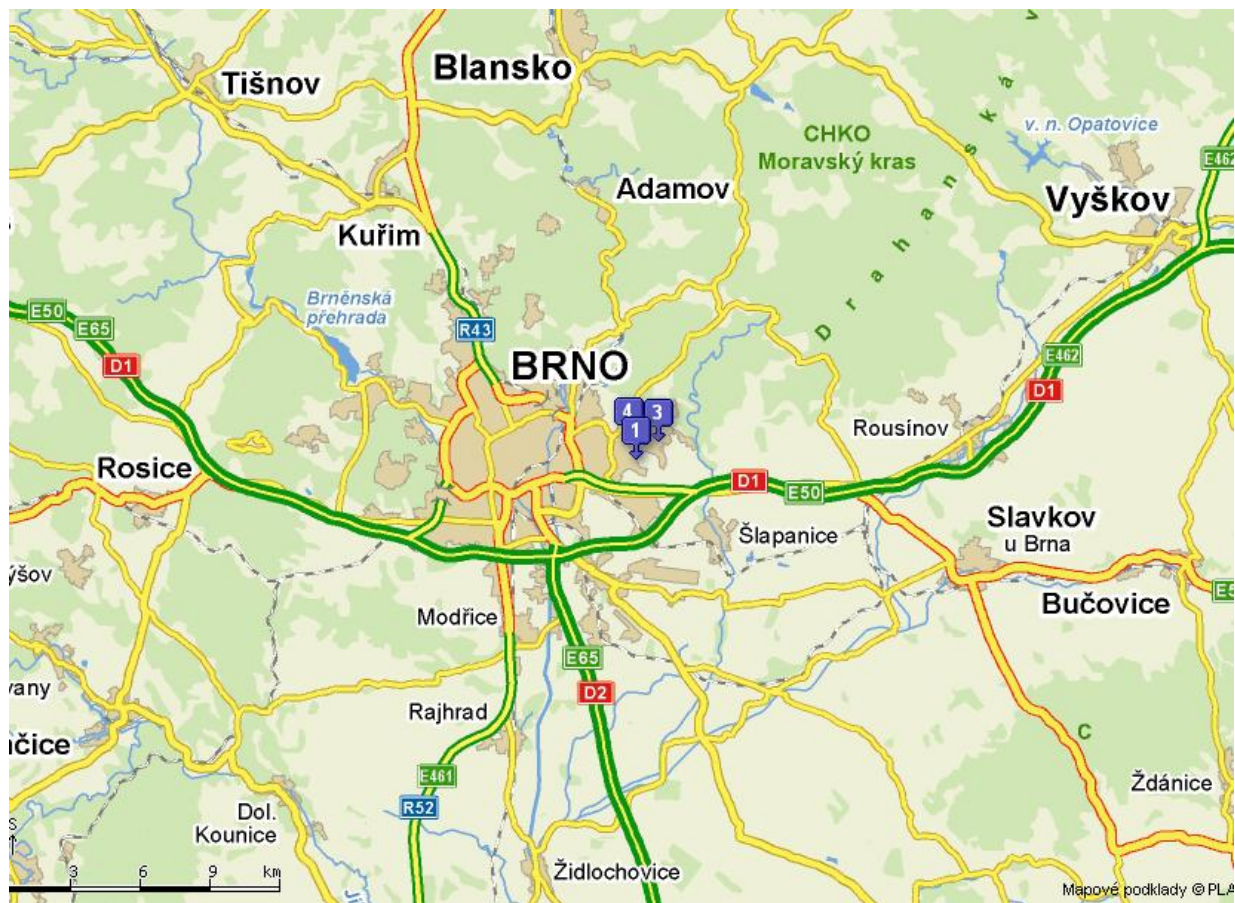
Site specification

The area used to be a production plant of tractors since 1950. Nowadays company Zetor, a.s. plans to concentrate production to northeast edge of the whole industrial zone and propose vacated western part to city of Brno for future optimal use (Science and Technology Park).



Transport infrastructure

	Distance from site (in km)	Name
Highway	5 km	D1 (Prague – Brno – Ostrava)
Express way	-	-
Intern. Airport	5 km	Brno Turany
Railway	3 km	Brno – Maloměřice
Railway siding	<input checked="" type="checkbox"/> on site <input type="checkbox"/> possible to build <input type="checkbox"/> not possible	



Infrastructure

	Distance from site (in m)	Voltage / Pressure	Pipe diameter	Capacity
Electricity	on site	40 MW		
Drinking water	on site		250 – 400 mm	
Service water	-			
Well	-			
Sewage	on site		1 000 mm	
Gas	on site		300 – 500 mm	

Ecological studies

Hydrogeological survey	<input type="checkbox"/> has been conducted
Environmental audit	<input checked="" type="checkbox"/> has been conducted
Eventual limitation of utilization	Ecological burdens are on site – oil, BTX and chlorinated hydrocarbon

