



**North Moravia-Silesia Region  
Regional Actors Map**

**Draft**



**Ostrava Science & Technology Park**

**Ostrava, June 2005**

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## 1. The Region

Region is situated in northeastern part of the Czech republic. It borders with Poland and Slovakia. In the center of the region are Ostravská pánev (Ostrava's basin) and Moravská brána (Moravian gate), which are bordered with Moravskoslezské Beskydy mountains from southeast and Hrubý Jeseník from west.



According to climatic characteristics, the region belongs to mild climate, but there is a cold strip in mountain areas. The highest Beskydy's mountain is Lysá Hora (which is 1323 m high). Annual precipitation is high there (it's 1532 mm).

The whole territory belongs to river Odra basin. From a viewpoint of protecting the environment there are three protected landscape areas: protected landscape area Poodří (established in 1991) having registered office in Studénka, protected landscape area Beskydy (established in 1973) with registered office in Rožnov pod Radhoštěm (district Vsetín) and protected landscape area Jeseníky (established in 1969) with registered office in Malá Morávka.

North Moravia and Silesia have become the most important industry centers during the last century and they still hold this position. The center of this industry area is the agglomeration called Ostravsko-Karvinská. The industry development expansion of this area is connected to using mineral wealth of the area and it's also connected to the development of rail transportation.

Nowadays this industry area is being restructured what directs to extend the industry activities and vitalization of all kinds of services.

The basic transport services and infrastructure are available. Many clearly definite business areas are well equipped (e.g. Ostrava-Karviná). Population is concentrated in northern area of the region, so it defines the region's industry center.

**Ostrava** is the largest city in North Moravia and the administrative centre of the region. The first records of settlement date from the 13th century, when the so-called Amber Route, an important trade artery, led through this region and had been used by traders as a passage from the Baltic to the Mediterranean. In the middle of the

18th century high quality black coal deposits were discovered, and the fastest industrial and population growth occurred in the 20th century. Since 1989 the city's face has changed radically. Ostrava has become an important cultural, trade and sporting centre. Coal mining within the city was stopped in 1994. Ostrava's fiscal stability is attested by the "A" rating granted to the city by Standard & Poor's. The last few years have also seen a rapid growth in tourist potential, helped by the city's favourable location close to the Polish and Slovak borders, its wealth of unique industrial architecture and other sights, the rich historical and cultural heritage of the region and the sporting opportunities offered by the nearby mountains and countryside.

In terms of population, Ostrava is the Czech Republic's third city, and in terms of total area it is the second city. It is an important transport centre, with a highly developed public transport network, five railway stations and an international airport at Mošnov. The city's three universities (the VŠB Technical University and the University of Ostrava) have a combined total of over 29 000 students.

A summary of economic, demographic and social information characterizing the development and condition of the Statutory City of Ostrava is available to those who are interested in doing business in Ostrava.

Ostrava's strong credit ratings (Standard & Poor's A-, Moody's A3) is good news for businesses and investors, underlining the City's dedication to fulfilling its fiscal responsibilities.

Investment opportunities in Ostrava are highlighted at the Investment Forum Ostrava, which provides information about federal investment incentives and special benefits for companies that want to do business in the Moravian-Silesian Region and the City of Ostrava.

## 1.1. Population

**Basic demographical data** (December 31<sup>st</sup> 2003)

Data	Number
Population	1 260 910
Males	615 496
Females	644 781
Marriages	5 655
Births, total	11 586
Deaths, total	13 389
Natural increase	-1 837
Immigrants	6 503
Emigrants	7 049

**Age structure** (December 31<sup>st</sup>, 2003)

Population according to age structure				
	Number of Inhabitants			
		0 - 14	15 - 59	60 +
Moravian-Silesian Region	1 260 910	199 922	900 443	159 912
Rate of an age class	100,00	15,86	71,45	12,69

**Characteristics Data** (Effective as of 1. 1. 2005)

- Population: 1 255 910

## Regional Actors Map

- Population Density: 230,7 inhabitants per sq. km
- Capital of the Region: City of Ostrava 312 254

### 1.2. Workforce

<b>Work force in the region (2003)</b>	
<b>Labor force</b>	<b>Number (thousands persons)</b>
Total	615,0
Females	275,5
Employed persons	524,3
Females	223,8
Second job holders	11,8
Unemployed	90,7

<b>The employed in the national economy (December 31<sup>st</sup>, 2003)</b>	
<b>Branch of economy</b>	<b>Number (thousands persons)</b>
Agriculture, hunting and related service activities	11,2
Forestry, fishing, operation of fish hatcheries and farms	4,8
Mining and quarrying	23,9
Manufacturing	157,8
Electricity, gas and water supply	9,6
Construction	44,7
Trade, repair of motor vehicles and personal and household goods	62,1
Hotels and restaurants	21,2
Transport, storage and communications	36,9
Financial intermediation and insurance	6,1
Real estate, renting and business activities	22,0
Public administration and defence; compulsory social security	35,8
Education	32,4
Health and social work	37,9
Other community, social and personal services	17,7
<b>Total</b>	<b>524,3</b>

<b>Rate of unemployment (December 2003)</b>	
Absolute number of unemployed: 106 304	
<b>Unit (former district)</b>	<b>%</b>
Karvina	20,4
Ostrava	18,4
Bruntal	18,2
Frydek-Mistek	15,0
Novy Jicin	15,0
Opava	12,2
<b>Moravian-Silesian Region</b>	<b>16,8</b>
<b>Czech Republic</b>	<b>10,3</b>

<b>Average monthly gross wages of employees (2003)</b>		
<b>Branch</b>	<b>Gross wage in</b>	
	<b>CZK (Kc)</b>	<b>Euro</b>
Agriculture, forestry, fishing	11 310	378
Industry, total	17 154	574
Construction	14 657	490

## Regional Actors Map

Wholesale and retail trade, repair of motor vehicles, motorcycles and personal and household goods	14 388	481
Hotels and restaurants	9 426	315
Transport, storage and communication	15 911	532
Financial intermediation	21 760	728
Real estate and business activities	12 754	426
Public administration and defence, compulsory social security	16 948	567
Education	15 189	507
Health and social work	15 863	530
Other community social and personal service activities	12 041	402
<b>Total (average)</b>	<b>15 837*</b>	<b>494</b>

\* 3rd position in the Czech Republic (Prague the 1st - 21 093 CZK, 705 Euro)

### 1.3. Economy

#### 1.3.1. Long industrial tradition

- Deep roots of industry in the region
- 1763 - opening of coal mining in Ostrava
- 1828 - foundation of the first ironworks in Vitkovice (today the part of City of Ostrava) - Rudolph's Foundry, later Vitkovice Ironworks
- 1839 - foundation of Trinec Ironworks in Trinec
- 1847 - new railway line, so-called Northern Ferdinand Line - linked Ostrava with Vienna and Krakow
- The 2<sup>nd</sup> half of the 19<sup>th</sup> Century - dynamic development of industry in Ostrava surroundings - coal mining, metallurgy, steel industry, engineering
- The turn of the 19<sup>th</sup> and 20<sup>th</sup> Centuries - City of Ostrava was the industrial center of all Austro-Hungarian Empire
- Growth of population, large work immigration from Moravia, Hungary or polish Galician
- Since 1945 - huge development of industry in the region of North Moravia and Silesia, including opening of New Steelworks (Nova hut) in Ostrava in 1951
- 1950s to 1980s - period of enormous population growth (workers from all Czechoslovakia settled there) and construction
- Since 1989 - restructuring and revitalization of industry, closing of many coal mines, inflow of domestic and foreign investments, improving of the environment thanks to many ecological steps in plots and factories and enterprises

Selected economic indicators	
Indicator	Value
Gross domestic product (GDP)	CZK 249,9 billion (2002) *
GDP per a region's inhabitants (per capita)	CZK 197, 650 (2002) **
Total number of economic entities	223 771 (by 31.12. 2003)
Self-employers	190 254
Business entities	17 372
Co-operatives	1116
State enterprises	78
Other	11 402

\* 2<sup>nd</sup> position in the CR (Prague is the 1<sup>st</sup> - CZK 619,9 billion)

\*\* 6<sup>th</sup> position in the CR (Prague is the 1<sup>st</sup> - CZK 534 932), = 83,4 % of the level reached in the Czech Republic

## Regional Actors Map

<b>Number of units by sector in the region (December 31<sup>st</sup>, 2003)</b>		
<b>Sector</b>	<b>Units</b>	<b>%</b>
Retail trade	72 453	32,38
Real estate, renting and business activities	38 801	17,34
Industry	28 672	12,81
Construction	20 723	9,26
Other community, social and personal service activities	18 124	8,09
Agriculture, hunting and forestry, fishing	11 227	5,02
Hotels and restaurants	9 953	4,45
Financial intermediation	8 545	3,82
Transport and communications	7 445	3,33
Health and social work	3 475	1,55
Education	3 671	1,64
Public administration and defence; compulsory social security	672	0,31
<b>Total</b>	<b>223 771*</b>	<b>100</b>

\* 4<sup>th</sup> position in the Czech Republic (Prague the 1<sup>st</sup> - 411 612)

<b>Structure of units in industry (December 31<sup>st</sup>, 2003)</b>	
<b>Industrial branches</b>	<b>Number</b>
<i><b>Mining and quarrying</b></i>	
Mining and quarrying of energy producing materials	27
Mining and quarrying except energy producing materials	48
<b>Total</b>	<b>75</b>
<i><b>Manufacturing</b></i>	
Manufacture of food products, beverages and tobacco	1 412
Manufacture of textiles and textile products	3 978
Manufacture of leather and leather products	134
Manufacture of wood and wood products	4 681
Manufacture of pulp, paper and paper products; publishing and printing	1171
Manufacture of coke, refined petroleum products and nuclear fuel	5
Manufacture of chemicals, chemical products and man-made fibres	627
Manufacture of rubber and plastic products	311
Manufacture of other non-metallic mineral products	693
Manufacture of basic metals and fabricated metal products	7 864
Manufacture of machinery and equipment n.e.c.	777
Manufacture of electrical and optical equipment	4 587
Manufacture of transport equipment	111
Manufacturing n.e.c.	2 137
<b>Total</b>	<b>28 488</b>
<i><b>Electricity, gas and water supply</b></i>	
<b>Total</b>	<b>109</b>
<b>Industry – total</b>	<b>28 672</b>

## Regional Actors Map

Most important companies	
Company	Branch
Vitkovice, a.s.	Steel industry, heavy engineering
ISPAT NOVA HUT A.S.	Steel industry
OKD, a.s.	Coal mining, coke production
Trinecke zelezarny, a.s.	Steel industry
Severomoravska energetika, a.s.	Purchase, production, distribution and sale of electricity
Autopal, s.r.o. (VISTEON Group)	Development and production of automotive parts
Tatra, a.s.	Car industry
Siemens elektromotory s.r.o.	Electrical engineering

Inflow of investments into the region		
Investor	Country	Branch
Heyez-Lemmerz	Italy	Automotive sector
Siemens	Germany	Automotive sector
Dalkia	France	Energy
Visteon International Holdings	USA	Automotive sector
Dura	USA	Automotive sector
Ford	USA	Automotive sector
LNM Holdings	The Netherlands	Metallurgy
ASUSTeK Computer	Tchaj-van	Computers technology

- For new investments there are prepared more than 200 hectares of fully equipped developing areas
- Except of these greenfields areas there is a big potential of so-called brownfields - former industrial plots with ecological risks

Foreign investors				
Company	Location	Investor	Number of employees	Branch
ABB Service Ostrava	Ostrava	ABB (Sweden, Switzerland)		Energy
Alpine IPS Ostrava	Ostrava	Alpine Bau GmbH Salzburg (Austria)		Construction
ASUSTek Computer	Ostrava	ASUSTek (Tchaj-van)		Computers technology
Autopal	Novy Jicin	Visteon International Holdings (USA)	4300	Automotive sector
Balakom	Opava	Sefra Ges (Austria)	200	Synthetic dyes
Bekaert Bohumin	Bohumin	A.V. Bekaert (Belgium)		Metallurgy
Befra Electronic	Horni Sucha	Bebro Electronic Bengel und Bross (Germany)	30	Electrotechnics
Biocel Paskov	Paskov	Heinzel Group (Austria)	490	Wood industry
BorsodChem - MCHZ	Ostrava	BorsodChem Rt. (Hungary)	700	Chemistry
Cirex CZ	Koprivnice	Cirex B.V. (The Netherlands)		Metallurgy
Czech Klinipro	Karvina	Monlycke Health Care (Sweden)		Pharmacy
Czech Plastic Production	Karvina	Belfort (Belgium)		Chemistry
Czech Slag - Nova hut	Ostrava	Slag Reductie (The Netherlands)		Wastes
Dakon	Krnov	Unical A.G.S.p.A (Italy)	350	Engineering
Dalkia Morava	Ostrava	Dalkia (France)	1666	Energy
Danzas	Ostrava	Danzas GmbH (Switzerland)		Transport
Den Braven Production	Uvalno	Den Braven (The		Chemistry

## Regional Actors Map

		Netherlands)		
Draftex - Optimit	Odry	Draftex Beteiligungsges (Germany)		Chemistry
Dura Automotive systems CZ	Koprivnice	Dura Automotive Systems (USA)		Automotive sector
Gardena	Trinec	Gardena Kress & Kastner (Germany)	113	Engineering
Gardena Technik	Bruntal	Gardena Kress & Kastner (Germany)	158	Engineering
Hayes Lemmerz Autokola	Ostrava	Hayes-Lemmerz (USA)	434	Automotive sector
HK Konstrukce	Sviadnov	Huisman Special Lifting Equipment (The Netherlands)	200	Engineering
HMZ	Bruntal	ECM Holdings (USA)	150	Rock mining, metallurgy
Ingelectric	Ostrava	Ingelectric (Spain)		Equipment for automatization
International Victor Company	Pribor	Primus (Belgium)		Engineering
IPS Skanska		Skanska Oy (Finland/Sweden)		Construction
ISPAT NOVA HUT	Ostrava	LNM Holdings (The Netherlands, India)	11 300	Metallurgy
IVAX Pharmateuticals	Opava	IVAX International (USA)		Pharmacy
IVG Holding Colbachini	Krnov	IVG Holding Colbachini (Italy)		Rubber hosing
Kone	Ostrava	Kone Elevarors (Finland)		Elevators
Korsnas		Korsnas Packaging Aktiebolag (Sweden)		Paper production
Kovona Lichtgitter	Horni Sucha	Lichtgitter (Germany)		Engineering
Linde Vitkovice	Ostrava	Linde Gas Aktiengesellschaft	47	Industrial gases
Lisovny novych hmot	Vrbno p. P.	PFT GmbH (Germany)	40	Pressing shop of plastics
MG Odra Gas	Vratimov	Messer Griesheim (Germany)		Industrial gases
Model-Obaly	Opava	Model Holding AG (Switzerland)	733	Paper production
Nowaco Opava	Opava	Nowaco Group (Denmark)		Food industry
Opavia - LU	Opava	Groupe Danone		Food industry
Osram Bruntal	Bruntal	Osram (Germany)	309	Chemistry
Ostroj - Hansen Reinders	Opava	Hansen + Reinders (Germany)	850	Engineering
Ostravske vodarny a kanalizace	Ostrava	Ondeo Services (France)	390	Water-supply
Pharmos	Ostrava	Phoenix Pharmahandel AG a Co. (Germany)		Pharmacy
Pivovar Ostravar	Ostrava	Bass International Brewers (The UK)		Food industry
Pivovar Radegast	Nosovice	South Africa Breweries (South Africa)		Food industry
Ringier Print	Ostrava	Ringier AG (Switzerland)		
Saft Ferak		Saft (France)		Electrotechnics
Sandra Textiles Mills	Chlebovice	Sandra Textiles Mills (Pakistan)		Textile industry
Semperflex Optimit	Odry	Semperit (Austria)	400	Chemistry
Severomoravska	Ostrava	EBO Czech Investments	1781	Energy

## Regional Actors Map

energetika		Limited (The UK)		
Severomoravska plynarenska	Ostrava	RWE AG (Germany)	991	Gas industry
Severomoravske vodovody a kanalizace Ostrava	Ostrava	Anglian Water (The UK)	1020	Water-supply
Shimano Czech Republic	Karvina	Shimano (Japan)		Engineering
Siemens Automobilove systemy	Frenstat p. R.	Siemens Automotive Beteiligungs (Germany)	1187	Automotive sector
Tatra	Kopřivnice	Terex Corporation (USA)	2950	Automotive sector
Thrall Vagonka Studenka	Studenka	Thrall Car (USA)	820	Engineering
Veha	Frydek-Mistek	Saint Gobain Group (France)		Glass
Vesuvius Ceska republika	Trinec	Vesuvius Solar Crucible (Belgium)	120	Metallurgy

### Sites for new investments

#### ***Prepared industrial zones - greenfields (June 2003)***

- Over 300 hectares of industrial zones are prepared for investment into region.
- 200 hectares is available now.

## Regional Actors Map

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Site name (web address)	Area in ha	Available now	Price per m <sup>2</sup>	Electricity	Drinking Water	Service Water	Telecom.	Nearest Highway	Nearest Airport	Nearest Railway	Railway siding
<b>Karvina - Nove Pole</b> ( <a href="http://www.muka.cz/npole/">www.muka.cz/npole/</a> )	45	7	100	Yes	Yes	Yes	Yes	10	40	1	No
<b>Koprivnice Industrial Park</b> ( <a href="http://www.koprivnice.cz">www.koprivnice.cz</a> )	82	70	200	Yes	Yes	Yes	Yes	8	12	1	No
<b>Krnov - Cerveny Dvur</b> ( <a href="http://www.krnov.cz/_programs/Article.asp?sid=10">http://www.krnov.cz/_programs/Article.asp?sid=10</a> )	18	4	100	Yes	Yes	Yes	Yes	70	70	4	No
<b>Ostrava - Hrabova</b> (either <a href="http://www.mmo.cz/ekonrozv/hrabovax.html">www.mmo.cz/ekonrozv/hrabovax.html</a> or <a href="http://www.mmo.cz/nabidka/pzony.html">www.mmo.cz/nabidka/pzony.html</a> )	29	29	300	Yes	Yes	Yes	Yes	1	20	3	No
<b>Ostrava - Mosnov</b> (either <a href="http://www.mmo.cz/ekonrozv/mosnov.html">www.mmo.cz/ekonrozv/mosnov.html</a> or <a href="http://www.mmo.cz/nabidka/pzony.html">http://www.mmo.cz/nabidka/pzony.html</a> )	32	32	NA	Yes	Yes	Yes	Yes	6	1	3	Yes
<b>Ostrava - Science-technology Park</b> ( <a href="http://www.vtpo.cz">www.vtpo.cz</a> )	10	8	600	Yes	Yes	Yes	Yes	3	25	7	No
<b>Trinec - Baliny</b> ( <a href="http://www.trinec-mesto.cz/prumzona/plany.htm">www.trinec-mesto.cz/prumzona/plany.htm</a> )	20	12	80	Yes	Yes	Yes	Yes	25	50	1	Yes
<b>Frydek-Mistek - Chlebovice</b>	13	3	NA	Yes	Yes	Yes	Yes	1	15	7	No
<b>Frydek-Mistek - Liskovec</b>	7	4	NA	Yes	Yes	Yes	Yes	2	22	2	No
<b>Tranovice Business Park</b>	29	16	NA	Yes	Yes	Yes	Yes	18	37	4	No
<b>Bolatice</b>	16	8	NA	Yes	Yes	Yes	Yes	24	40	2	No
<b>Cesky Tesin Pod Zelenou</b> ( <a href="http://www.tesin.cz/rkrm/001/">www.tesin.cz/rkrm/001/</a> )	12	12	NA	Yes	Yes	Yes	Yes	25	45	2	No
<b>TOTAL</b>	<b>313</b>	<b>205</b>									

### **Brownfields**

As a result of large industrial tradition there is a lot of areas of former production - so-called brownfields. These sites are also suitable for further industrial use. Mostly the former mines are brownfields now. The biggest brownfielded localities are mentioned below:

## Regional Actors Map

Site name	Location	Area in ha
Lower Vitkovice Area	Ostrava	152,3
Industrial park Bruntal	Bruntal	13,9
Mine Frantisek	Horni Sucha	24,9
Martinska District	Frenstat pod Radhostem	8,5
Mine Hermanice	Ostrava	22,1
Hrusov Area	Ostrava	45,5
Mine Odra	Ostrava	6,9
Mine Pokrok	Petrvald u Karvine	26,3
Svinov	Ostrava	8,2
VKK 1	Rychvald	5,3
Drevokombinat Vrbno Area (wood factory)	Vrbno pod Pradedem	22,6
Mine Zarubek	Ostrava	3,5
Mine Zofie	Orlova	18,1

Housing construction	
Housing construction in 2003	Number of new flats
Completed flats	2078
Started housing construction - flats	2101
Flats under construction (31. 12. 2003)	11 089
From that: family houses	5 359
Majority of flats under construction - former Frydek-Mistek District	3250 (in 2003)

### 1.4. Transport Infrastructure

Moravian-Silesian Region is located on historical transport road in north-south direction (from Baltic area to the Mediterranean) - The part of the VI European Multimodal Corridor

#### Road Transport

- Main road line - road E 462 (I/48) Novy Jicin - Frydek-Mistek - Cesky Tesin (crossing on Poland)
- Road I/11 Bruntal - Opava - Ostrava - Cesky Tesin - border on Slovakia
- Road I/57 Opava - Krnov - Bartultovice (crossing on Poland)
- Road R56 Ostrava - Frydlant nad Ostravici - direct line to the Beskydy Mts.
- Highway D47 - Lipnik - Ostrava, to be opened on November 2008
- Main border crossings:
  - On Poland: Cesky Tesin, Bohumin, Bartultovice
  - On Slovakia: Mosty u Jablunkova, Bumbalka

#### Railway transport

- Main line - No. 270, part of 2nd corridor, Breclav - Prerov - Ostrava - Bohumin
- No. 320 - Bohumin - Cesky Tesin - Slovak border - Kosice (Slovakia)
- No. 316 and 310 - Ostrava - Opava - Bruntal - Olomouc
- Main border crossings:
  - On Slovakia: Mosty u Jablunkova
  - On Poland: Petrovice u Karvine

#### Air transport

- The Ostrava-Mosnov International Airport - biggest regional airport in the Czech Republic, 3,600 m of runway for all aircraft categories

#### Waterway transport

- Now there is not any waterway in the region, but there is a project of water connection of Odra and Danube River which would come through the region

### 1.5. Incentives

Companies that come to the Moravian-Silesian Region qualify for the best local and federal investment incentives in the Czech Republic.

**Federal Incentives** are managed and disbursed through CzechInvest. These include corporate tax relief, job creation grants, training and retraining grants, as well as site support for land and infrastructure costs. The Moravian-Silesian Region qualifies as a priority development region which means that your company can qualify for fast track access and the Czech Republic's most generous incentives:

**Local and Regional Incentives** are also available for companies that do not qualify for CzechInvest incentives. These include job creation grants, employment grants, training and retraining grants, and site support for land and infrastructure costs. Although generally similar, these incentives vary from site to site and city to city. Our regional partners can help you find out more about the incentives you qualify for.

### 1.6. Research and development

Moravia-Silesia has become a growth region in the area of Research & Development. With the establishment of the Ostrava Science & Technology Park, and the long tradition of the region's universities and R&D institutions, Moravia-Silesia has a number of organizations ready to help you meet your R&D needs:



#### **The Ostrava Science & Technology Park**

Located on the campus of the Ostrava Technical University, the Ostrava Science & Technology Park has become a focal point for R&D research and cooperation between academia and the private sector.



#### **The VSB - Technical University of Ostrava**

Ostrava's Technical University has 7 faculties involved in a wide variety of research and development activities. Especially active are the faculty of Electrical Engineering and IT, as well as the Mechanical Engineering faculty.



**The Business and Innovation Centre (BIC) Ostrava**

Helping new companies to get financial support for Research and Development activities since 1996.



**Union for the Development of the Moravian-Silesian Region**

The MS Union is a regional contact organisation for the 6FP EU Programme.



**Vitkovice Research and Development**

As one of the top suppliers of steel in the automotive branch, Vitkovice Research and Development has to keep abreast of the latest developments.



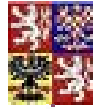
**Vitkovice Testing and Laboratories, Ltd.**

The company is certified to carry out physical and chemical testing, metallographic testing, mechanical properties testing, and non-destructive testing.



**The Czech Research and Development Council**

For General Information by the Czech government concerning Research & Development policy and legislation in the Czech Republic. Includes registries, a search engine and annual reports.



**The Czech Ministry of Education, Youth and Sport  
Department of R&D**

**1.7. Education & Training**

Scale of educational facilities (2003)	
Grade	Number
Nursery schools	476
Elementary schools	427
Secondary technical schools	87
Secondary vocational schools	54
Grammar schools	37
Higher professional schools	11
Universities	4
Faculties	14

**1.7.1. Primary and Secondary Schools**



**The 1st International School of Ostrava**

The 1st International School of Ostrava Project consists of a kindergarten, primary school and secondary school located in a single facility in the centre of Ostrava. The curriculum is taught predominantly in English and is open to foreign nationals and Czechs.



**The International School in Olomouc (TISOL)**

TISOL was established in August 2001 by the International School of Prague (ISP) and Philips in response to a need for an International School for expatriate children in the Olomouc area (90km south of Ostrava). TISOL is a satellite campus of ISP, which is accredited by the European Council of International Schools.



**Townshend International School**

TIS is a co-educational, English medium, high school accredited by the Ministry of Education. Located in the beautiful village of Hluboka nad Vltavou (380km from

Ostrava), Townshend has been providing top rank international education since 1992.

Two secondary schools in Ostrava have opened enhanced foreign language classes from September 2004:

**The Hladnov Secondary School**, specialising in Spanish, is launching a class with subjects such as history, geography, mathematics and physics taught fully in Spanish in.

**The G. Kliment Secondary School** focuses on “Living Languages” classes, such as English, German and French.

### 1.7.2. Training and retraining

If your company is in need of training and re-qualification for workers, there are a number of organisations in the region providing the services you need:



#### **Regional Employment Agency**

Regional Employment Agency operated RPIC-ViP offers a complete list of training courses available to workers in a wide variety of fields.



#### **LAROS**

LAROS provides advanced language school courses in cooperation with local Labour Departments in the Moravian-Silesian Region.



#### **The Pygmalion Language and Educational Centre**

The Pygmalion Language and Educational Centre is a renowned centre of English language teaching in the Moravian-Silesian Region. Pygmalion offers a wide variety of other language training as well.

### 1.7.3. Universities

For students and companies interested in University-level education, the Moravian-Silesian Region has numerous options. Capacity of 4 universities attended by 30 000 students offer a wide studying opportunities for young people



### **The VSB - Technical University of Ostrava**

is one of the leading educational facilities of its kind in the Czech Republic. With seven faculties (listed below) accommodating more than 19 000 students, and tightly integrated with the Ostrava Science and Technology Park, the Technical University is a great source of motivated and educated workers of the future.

- Faculty of Economics
- Faculty of Electrical Engineering and Computer Science
- Faculty of Mining and Geology
- Faculty of Metallurgy and Material Engineering
- Faculty of Mechanical Engineering
- Faculty of Civil Engineering
- Faculty of Safety Engineering



### **The Business School Ostrava**

has been a natural centre for business education, innovation and integration since its beginnings in the early 1990's. The School (private university) works with businesses and educational organisations from the Moravian-Silesian Region, the Czech Republic and Europe, actually accommodates more than 1200 students.



### **The University of Ostrava**

was established in 1991. It currently has more than 6800 students enrolled in 4 faculties (including the Faculty of Philosophy, the Pedagogical Faculty, the Faculty of Natural Science, and the Medico-Social Faculty), and 3 research institutes (The Institute for Research and Application of Fuzzy Modelling, The Institute for Regional Studies, and The Institute for Arts Studies).



### **The Silesian University in Opava**

consists of the Faculty of Philosophy and Science, the School of Business Administration in Karvina, the Mathematical Institute in Opava, and the Extramural centre in Krnov. The University has about 3,800 students of Bachelor, Master and doctoral programmes, and plans to build up to 4,000 students.

## 2. Regional Actors

### 2.1. The Regional Council

is an executive regional body acting within the province of regional autonomy; prepares proposals and documents to be discussed by the Assembly. Council powers: to manage and audit regional finance under the approved budget, to appoint and dismiss heads of departments, to establish Council committees, to issue statutes on behalf of the Region, to decide on property right matters, etc. Council of the Moravian-Silesian Region - consists of 11 members, convenes in closed meetings under the Law. Regional Authority director attends Council meetings having one advisory vote.

More information  
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Regional Authority  
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Ostrava 702 18  
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fax: +420 595 622 126  
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[posta@kr-moravskoslezsky.cz](mailto:posta@kr-moravskoslezsky.cz)

### 2.2. The Statutory City of Ostrava

#### 2.2.1. City Authority

The City Authority consists of the Mayor, Deputy Mayors, the City Authority Secretary and the employees of the City Authority. The various Divisions which make up the City Authority are constituted by the City Council to deal with specialist areas of activity. Within the Authority other specialist units with titles other than Division (e.g. Section, Department, Office, Archive) also have the status of Divisions. Legally the City Secretary performs the role of the employer of all City employees except those of the City Police Force. The Secretary is responsible for managing employment law issues and human resources, managing and reviewing the performance of employees, and coordinating the activities of individual Divisions. The Divisions, managed by their Heads, are entrusted with carrying out tasks of state administration and local government. The Centre for Social Services is a separate organizational unit of the City and carries out the tasks entrusted to it in its specialist area of activity.

#### 2.2.2. Facts and Figures

Population	315 009
Area (hectares)	21 423,60
Number of municipal districts	23
Rating - Moody's Investors Service	A3
Rating - Standard & Poor's	A- /stabilní/A-2
Actual receipts to City budget per head of population (CZK) (including municipal districts)	30 224
Actual expenditure from City budget per head of population (CZK)	31 530

(including municipal districts)	
Overall City income / loss (CZK thousands)	-377 154
Assets – metropolitan area total (CZK thousands)	43 163 798
Long-term liabilities – metropolitan area total (CZK thousands)	122 167
Bonds issued (CZK thousands)	0
Debt per head of population (CZK)	5 261
No. of organizational units constituted by City	2
No. of contributory organizations constituted by City	23
No. of commercial organizations owned 100% by City	11
No. of public services organizations established by City	3

### 2.2.3. Rating

The City's credit rating was raised as of 16. 9. 2003 by Moody's Investors Service from Baa1 to A3. The City's Standard & Poor's rating remained unchanged from the previous year at A-/stable/A-2.

### 2.2.4. Industry and Investment

Ostrava's industrial history has given its citizens a rich and increasingly valuable heritage. The OKD Mining Museum, now well-known across Europe, and the exhibition at the Michal colliery national heritage site, map the history of coal-mining in the city. The mining museum contains a large collection of mining lamps and other equipment, and visitors can go down into a reconstructed coal seam or see the remains of the settlement of mammoth-hunters who once lived on the spot. The exhibition of mine rescue equipment is among the most extensive and valuable in Europe.

In addition to an insight into industrial history, the site of the mining museum now offers many opportunities for sport, relaxation and entertainment. Ostrava's iron and steel industry can provide visitors with fascinating excursions, and the city's brewery organises guided tours of the brewing process.

The City has prepared several industrial zones and development areas during last few years. These include the Hrabová Industrial Zone, the Ostrava-Mošnov Airport Industrial Zone, the Ostrava Science & Technology Park, the Karolina City Centre Development Area, The Ostrava-Hrušov Development Area and the Ostrava - Svinov Railway Station, Shopping and Leisure Centre, Combined Occupancy Block Project in the Ostrava City Centre.

More information

The Statutory City of Ostrava

Magistrat

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### **2.3. Regional Development Agency in Ostrava**

The ARR - Regional Development Agency, a.s. was established as the pilot project of the European Union in 1993 with the objective of assisting with the restructuring of the North Moravian and Silesian region.

ARR mission is to contribute to the co-ordination of projects for the economic and social transformation of the region to regional development by way of the following:

- To act as a developer for some regional projects
- To support the development of various forms of entrepreneurship
- To provide information services for municipalities and institutions
- To act as a regional centre for international co-operation purposes,
- To participate in the establishment and development of regional policy.
- To be able to provide the above services, the ARR uses the resources of the European Union international assistance funds (Phare, bilateral assistance), public national sources, those of districts and communities and some private funding.

#### **2.3.1. RDA strategic objectives**

Based on its mission, the ARR has defined its long-term strategic objectives:

- To support the effective co-operation and co-ordination of economic development initiatives, of practical activities and to allocate investments to communities, institutions and other organizations within the region and in some cases, where it is feasible, also outside the region.
- To initiate and manage projects and/or to provide financial support to some pilot projects and projects of strategic importance within the region, both directly and in co-operation with regional and foreign partners.
- To promote the region and its strengths and capacities to potential investors and business partners and to visitors from other parts of the Czech Republic and from abroad, both directly and in co-operation with other regional institutions.

By its activities it should help the region to prepare for the CR entry into the European Union and to secure the EU financial assistance for the development of the region.

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[arr@rdaova.cz](mailto:arr@rdaova.cz)

### **2.4. Regional Advisory & Information Centre (RPIC-ViP)**

Offers professional services in the Human Resources, Business Counselling, Quality Management and Public Sector Development Projects area.

#### **2.4.1. RPIC-ViP s.r.o. is:**

- an enterprise and economic development consultancy for start-ups, small and medium sized enterprises and public sector.

- a member of a net formed by 30 Regional Advisory and Information Centres for SMEs (RPIC), which was established under the PHARE Programme.
- was assessed and registered against quality assurance standard BS EN ISO 9002 (1994) by Moody International Certification (UKAS) under the number 0010793 in consulting and training to the small and medium-sized enterprises and development projects for public sector.
- is a registered consultancy for EU – PHARE.

#### **2.4.2. Services**

- Business consultancy  
RPIC-ViP s.r.o. provides counselling, advice and support to businesses - mostly to start-ups and SMEs located in the Moravian Silesian Region (NE of the Czech republic). Consultancy services range from initial thinking of starting in business, through establishing the company, business planning, raising the finance and accountancy services.
- Fund rising  
RPIC-ViP s.r.o. helps its clients to apply and secure funding from banks and business support schemes available for enterprises the Czech republic. RPIC-ViP s.r.o. also carries out financial analysis and project assessment on demand of financing authorities.  
RPIC-ViP s.r.o. designs new financial tools to help Czech companies to find suitable funding, (e.g. Regional Employment and Business Support Fund) and looks for financial partners to start these schemes.  
RPIC-ViP s.r.o. designed Employment and Business Support Programme which is financially supported by the city of Karvina. The aim of the programme is to enhance creation of new jobs and business development in the city of Karvina.

#### **2.4.3. Business training**

RPIC-ViP s.r.o. provides two types of business training for those wishing to set up a business. Both courses are accredited by the Czech Ministry of education.

Attendees of the training are delivered skills needed to establish business, accountancy, business planning, marketing, etc. Graduates have to prepare a business plan of their business idea, which is being assessed by independent committee and might then help entrepreneur to rise funding

#### **2.4.4. Business co-operation with Czech companies**

Thanks to a deep knowledge of local market, RPIC-ViP s.r.o. can help to set business links with regional enterprises in many ways of business co-operation ranging from the marketing of product, work on demand, licensing and acquisitions. RPIC-ViP s.r.o. is able to distribute business demands, find suitable partner and assist to conclude the deal.

Through our tight co-operation with Karvina Chamber of Commerce we can organize business missions, business links and trade fairs.

#### **2.4.5. Industrial locations and regional information**

RPIC-ViP s.r.o. assists foreign companies which plan to expand their business activities and to locate in Moravian Silesian Region. RPIC-ViP s.r.o. has detailed information on industrial zones and vacant premises in the region. We

can also provide our clients with information on regional economy, human resources, financial incentives, business climate etc.

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## **2.5. The Union for the Development of the Moravian-Silesian Region**

is an association of legal entities. It has existed since 1990 when it was established as the North Moravian Economic Union. Vision with the Economic and Social Council of Ostrava-Karvina Conurbation and definition of present Union bodies and activities was accomplished in 1995. The Union consisting of around 80 important members is a non-profit organization which through its activities creates the specific conditions for economic prosperity and the social development of the Region.

Mission

The mission of the Union for the Development of the Moravian-Silesian Region is to promote the interests of its members, especially those interests which are common and which are in agreement with the regional development strategy. A part of the mission also lies in participation in the realization of the strategy and promotion of development projects under EU conditions.

The Union actively supports internal regional discussion and the unification of regional activities and participates in the preparation of regional programme documents and the setting of priorities. In line with this, cooperation with other regions in the Czech Republic and with foreign partners is developing successfully. The accession of the Czech Republic to the EU also means an increase in Union participation in the preparation of projects financed from EU Structural Funds and its wider involvement in international activities supporting European cooperation and regional development.

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## **2.6. Ostrava Science and Technology Park**

The main objective of the project is to build within the framework of the region and in cooperation with universities and scientific-research institutes, a very satisfying working environment. It will serve to coordinate scientific and technological research and the transfer of advanced technology with the aim of attracting native and multinational investors active in the field of advanced technology. And at the same

time to use the Science & Technology Park as a means of commercializing results of scientific research on universities.

The Ostrava Science & Technology Park has the background and political will to help get new projects up and running. This regional investment is largely supported under the auspices of the PHARE program and by the Statutory City of Ostrava.

The mission of the company is to create conditions and working environment for:

- commercially oriented science and technology research
- industrial integration of university research
- support for business innovation

The Ostrava Science & Technology Park was created to help businesses become established in the Czech market and internationally. Company was established by several institutions, who are current share holders:

- The City of Ostrava 59,1 %
- The Ostrava Regional Development Agency Inc. 9,1%
- The Mining University - Technical University of Ostrava 13.6 %
- Ostrava University 9.1 %
- The Silesian University of Opava 9,1 %

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[info@vtpo.cz](mailto:info@vtpo.cz)

## **2.7. CzechInvest**

The main objective of CzechInvest, the Investment and Business Development Agency, is to advise and support existing and new entrepreneurs and foreign investors in the Czech Republic.

CzechInvest, the Investment and Business Development Agency, is an agency of the Ministry of Industry and Trade. Established in 1992, the agency contributes to attracting foreign investment and developing domestic companies through its services and development programmes. CzechInvest also promotes the Czech Republic abroad and acts as an intermediary between the EU and small and medium-sized enterprises in implementing structural funds in the Czech Republic. CzechInvest is exclusively authorized to file applications for investment incentives at the competent governing bodies and prepares draft offers to grant investment incentives. Its task is also to provide potential investors current data and information on business climate, investment environment and investment opportunities in the Czech Republic.

### **2.7.1. CzechInvest's services**

(all services are free of charge):

- comprehensive services for investors
- handling of investment incentives
- business properties identification

- supplier identification
- aftercare services
- business infrastructure development
- access to structural funds

### **2.7.2. Strategy**

#### **Priority I: Dynamic Business Environment**

Aim: To ensure that the Czech Republic is a location where high value added businesses of all sizes and nationalities can grow and prosper through provision of:

- Infrastructure for Innovation, Research and Development: development of physical infrastructure (science and technology parks and incubators) and services to intensify co-operation between universities, scientific and research institutions and industry, and to facilitate the commercialisation of R&D activities;
- Business Real Estate: provision of sites and buildings that meet business needs in regions and sectors where property market failure has been identified.
- Human Resources Development: to focus resources on the creation of appropriate infrastructure for the development of modern skills at all levels of the workforce.
- Services for growing companies: access to quality and cost-effective expert consulting services;
- Business Information: use of up-to-date information technology to provide a single contact point (one-stop-shop) for the provision of information and services to entrepreneurs;
- Improved business environment: co-operation with Government and businesses to identify and remove bureaucratic and legal obstacles to the development of competitive companies in the Czech Republic.

#### **Priority II: Successful and growing businesses**

Aim: Czech based companies and entrepreneurs have the skills and resources with which to compete in the global economy. Under this priority we will:

- Create high growth start-up companies: through provision of venture capital and other financing mechanisms together with the provision of suitable space, information and advice for start-up entrepreneurs with growth potential.
- Support new technology and innovation: through grants, loans and consultancy support to develop or implement new technologies, new products or manufacturing processes and to commercialise research.
- Access to finance: to ensure that companies of any size, at any stage of development, are not constrained by the lack of suitable and competitive financing.
- Develop effective incentives: so that their use will strengthen the Czech Republic's competitiveness in a cost-effective and efficient way;
- Improve the Czech human resource development infrastructure: through provision of grants to support companies who consider their

staff as a valuable asset and wish to ensure that they have the skills with which to undertake the tasks assigned to them.

- Encourage the use of Information and Communication Technologies: to improve management, production efficiency and the quality of customer service;
- Improve company performance: through the use of best practice tools and techniques delivered through expert consulting services.

### **Priority III: Global Connections**

Aim: To ensure that Czech based companies can join global supply chains and benefit from trade and investment opportunities around the world. This will be achieved through:

- Attraction of Foreign Direct Investment: to ensure that the Czech Republic maintains competitive position in the global market and through the inflow of foreign direct investment brings new technologies, skills and up-to-date management methods to Czech companies.
- Supply Chains: to support Czech suppliers, in high added value sectors to enhance their operations in the global market;
- Provision of „After Care“ Services: to maintain continuous contact with foreign investors in the Czech Republic to enhance their further investment activity in the CR, to contribute to the growth of share of local sub-suppliers and to a continuous increase in the portion of added value of their local production;
- Support for Czech Companies' Investment Abroad: in co-operation with Czech Trade Agency to invigorate the standing of the Czech business entities in the global market through the support of their investment activities abroad.

### **Priority IV: Competitive Clusters**

Aim: Improve innovation and competitiveness in key industries through focused support and development partnerships among geographic concentrations of interconnected companies, specialised suppliers, service providers, firms in related industries, and associated institutions widely known as 'clusters':

- Clusters Identification: to identify the existing and potential clusters based on national and regional surveys of business activity.
- Development Partnerships: to create national and regional partnerships with the aim of implementing focused support of a particular cluster in mutually agreed priority areas such as finance, marketing, skills, infrastructure and innovation.

### **Priority Sectors**

Based on CzechInvest and MIT's assessment of sector trends in both local and world markets, a mapping of the investment environment in the Czech Republic and international investment flows, we have chosen the following priority sectors:

Traditional sectors of Czech industry with growth potential

- Electronics
- Precision Engineering and Automobile Industry

- Chemicals and Plastics
- High-tech manufacturing
- Microelectronics and Semiconductors
- Biotechnology and Pharmaceuticals
- Optoelectronics
- High-tech services
- Information and Communication Technologies, Software Development
- Strategic Services - Shared Service Centres, Expert and Solution Provider Centres
- High-Tech Repair Centres
- Support provided to these sectors will aim to be compatible with the Government and EU economic development policies.

More information

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## **2.8. The VŠB – Technical University of Ostrava**

is a technical and economic institution of higher education, the principal task of which is the provision of higher education based on free and internationally oriented research. It is an integral part of the higher education structure in the Czech Republic providing for the highest education in the province of its specialisation. The VŠB-TUO has the right of conferring academic and scientific degrees, and doctor honorary degrees. The scientific and teaching staffs collaborate with research and academic institutions and specialists on national and international levels.

The University has more than 19 000 students who study at seven University faculties. Actually about 80 students are from abroad.

On the threshold of the 21<sup>st</sup> Century, the VSB-Technical University of Ostrava is in the process of dynamic development that involves not only education but also its RTD activities inclusive co-operation with industry and business environments.

Taking into account the current enrolment at the University, our institution ranks 4<sup>th</sup> as compared to number of enrolled students at other universities in the Czech Republic and plays significant role in the development of the Moravia-Silesia Region, and in the process of no easy transformation of industries based on tradition of coal and steel. It concerns harnessing and utilisation of the institutional RTD potentials, creative capabilities of their students and teachers, as well as solving the problem of practically, project oriented teaching process implementation. This would facilitate developments for more comprehensive profiles of engineering education graduates that would make for better practical employments of their knowledge and boost up their positions on job markets. A wider implementation of such education structures asks for improvement of the RTD financing, which has been presently inadequate. We make every effort to define efficient strategies for RTD and assistance to

technologically oriented SMEs in the region, as well as continuing in good practices of collaboration with traditional mining, chemical and machine engineering industries that, after the phase of an overall restructuring, are currently consolidating their economies.

The access of the Czech Republic to the European Union implies harmonisation of education and research programmes throughout their whole spectrum so that the University can take full advantage of all related programmes of the European Union and participate fully in them. The University has implemented structural changes required by the Bologna Declaration, and a quality ECTS system has been established that provides for wide international mobility of students and teachers. Each graduate of bachelor and master study programmes receives, as an attachment to his/her diploma, a bilingual (Czech, English) list of all passed subjects so that he/she can continue studying at other institutions at home or abroad. A successful participation of the VSB-Technical University of Ostrava in the European programmes asks for permanent attention concerning QM at all levels of the University activities so that graduates can anytime in their future career find a link to their previous University knowledge and continue, developing it within the structures of life-long learning. In the condition of Europe wide reduced interests in engineering education, the effort of the University to enhance internationalisation of the teaching must be directed towards those parts of the world that have currently not experienced any such decrease of interest.

More information

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## **2.9. University of Ostrava**

was established on 28 September 1991 and provides higher education at its Faculties of Philosophy, Education, Science and its Medical-Social Faculty, as well as at its Institute for Artistic Studies. The degree programmes offered by the University include a wide range of Bachelor's, Master's, follow-up Master's and doctoral degrees.

The University includes two research institutes. The Institute for the Research and Application of Fuzzy Modelling focuses on the development of special mathematical methods, and the Institute for Regional Studies examines the literary tradition of Silesia and North Moravia, specialising in ethnic and sociological aspects of literature specific to the region.

The Information Technology Centre, which was set up prior to 1991, operates across the entire University. The main role of the ITC is to provide information and communication technology services; the Centre manages the University computer and telecommunications networks, provides internet and e-mail services, and runs the University information system.

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### **2.10. Business and Innovation Centre in Ostrava Vítkovice**

It looks for and chooses incipient businessmen innovation programmes and supports their starting. It creates the environment of mutual cooperation – the synergy of the centre. It supports small and medium companies entering international market. It creates conditions for increasing employment with small and medium companies (MSP). It helps businessmen to get support from doping programmes and structural funds. AT ensures help with transfer of foreign as well as home investor technologies.

#### **2.10.1. Specialized help for clients as provided in these areas:**

- Supporting investments and functionary financing - acquiring substantial as well as in substantial investment estate, production technologies as well as financing circulating means.
- Financial support of research and development activities - developing new products and services including improving the existing products.
- Supporting human resources development - training employees according to the firm's need.

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