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## Palacký University Olomouc, Science and Technology Park

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WWW: <https://www.vtpup.cz/>

Park location on the map: [here](#)

Reg.nr.: 61989592

Director: Dr. Ing. Petr Kubečka, MCI, RTTP ([petr.kubecka@upol.cz](mailto:petr.kubecka@upol.cz))

Deputy: Mgr. Petr Suchomel, Ph.D.

### Operating data of the park

**Membership in STPA:** YES

**State of the park:** accredited

**Partner in project SPINNET:** NO

**Launch day:** 1.11. 2000

**Founder(s):** Palacký University Olomouc

**Owner(s):** Palacký University Olomouc

**Operator(s):** Palacký University Olomouc

**Type of entity:** Public university

**Criteria for acceptance of innovation firm:** The required criteria for admission can be found at our website.

### Description of the park

#### Introduction

The Science and Technology Park of Palacký University in Olomouc (VTP UP) provides office and facility leases, consulting services and the use of the equipment and know-how of Palacký University with favourable terms. Through the Business Incubator we help start-up entrepreneurs in starting a business with a unique idea and plan. VTP UP is focused on providing financial, patent and grant advice. VTP UP has been a bridge between the scientific and business world since 2000.

VTP UP is a self-sustaining economic unit of Palacký University in Olomouc. It directly benefits from the facilities and know-how of the University and passes these benefits onto its clients.

Thanks to its focus, VTP UP is an important regional partner for the Regional Office of the Olomouc region, and the city of Olomouc.

#### Description of technology transfer

We are the center for innovations and knowledge & technology transfer at Palacký University. We connect private companies with university research. We make innovative technologies and know-how of Palacký University available for firms and private companies.

Our offer to companies:

- \* Top technologies, services and knowledge in various scientific fields such as science, medicine, humanities, philosophy, etc.
- \* Full service in measurement and analysis using High-End instrumentation, including evaluation of results and expertise.

: < **Case studies:** />

### **Pokusnice**

Web app for chemistry teachers in primary and secondary school. Application consist of three modules. First one presents database of school experiments with didactic notes. Second and third contain evidence of chemical warehouse (availability of chemicals) and laboratory (availability of laboratory tools). All three modules are connected to each other and allow teacher to pick only experiments for which he have required chemicals and tools. The application was created with the support of the TA CR GAMA 2 (Proof of Concept) project.

Transfer: providing license for SW and Know-how to private company.

### **Mössbauer spectrometers**

Highly specialized instruments for the physico-chemical analysis of iron-containing materials. Mössbauer spectrometers developed and manufactured at Palacký University in Olomouc allow their users to determine very precisely the overall and local magnetic behavior of the studied material. The results from Mössbauer spectroscopy provide information about the surroundings of the studied iron atoms. By interpreting spectra and so-called hyperfine parameters, it is possible to determine the valence and oxidation state, spin and magnetic arrangement of iron atoms and the materials in which these atoms are contained.

Transfer: providing license for set of know-how and intellectual property related to the design and construction of Mössbauer spectrometers to a newly formed employee spin-off company.

### **Effervescent tablets**

Patented technology for the preparation of pressed tablets, etc., composed of surface-passivated nanoparticles of zero-valent iron and organic additives. Iron nanoparticles perform the function of a strong reducing agent and at the same time a sorbent, which can be advantageously used for water treatment and purification. In addition, the organic component ensures rapid activation and dispersion of nanoparticles in a large volume of water, thereby enhancing the cleaning effect.

Transfer: cooperation agreement with a private company. In the future, the provision of a license or the creation of a spin-off company is planned.

### **Growth regulators**

Patented technology of plant-specific substances from the group of cytokines laboratory synthesis. The substances can be used as fertilizer during the plant growth period. Even in very small doses, it enables plants to better cope with stress (excessive heat, drought, etc.). At the same time, for plants such as tomatoes or peppers, it increases their yield and extends the period in which the plants are fully fruitful. The chemical substance was created with the support of the TA CR GAMA 2 (Proof of Concept) project.

Transfer: MTA (material transfer agreement) with a private company. Testing with their specific products and fertilizers. In case of positive verification, the license will be issued.

## **TestBal**

SW for fast processing and subsequent visualization of sports diagnostic data, focused mainly on monitoring athletes, identifying sports talents and predicting sports dispositions of children and adolescents. The system enables immediate evaluation of sports diagnostic data using the know-how of the Palacký University in Olomouc. The results are then clearly visualized in the web application. Transfer: Own use for commercial sports diagnostic measurements. In addition, we established cooperation with a training log app, which is run by a private company, and which implemented a module for our data into this log. Clients of this diary can therefore easily use it to manage measurements from UP Olomouc.

## **Innovative entrepreneurship training**

We create inspiring, creative and friendly community of students, businessmen and entrepreneurs from Olomouc region

- \* We are a place where members come to meet and communicate openly.
- \* We organize lectures, seminars and discussions with the most interesting people in the business.
- \* Through our networking and educational activities we help members with their internal as well as business growth.

## **Advisory services**

To entrepreneurs with interesting business idea we offer help with the start of business, feedback on the business plan and contact sharing.

For selected projects we additionally have UP Business Catapult program.

Each company has its own consultant, who discusses the area in question and together you are looking for workable solutions to individual problems.

## **Innovation infrastructure**

Science and Technology Park at Palacký University in Olomouc offers 4130 m<sup>2</sup> of business space in two buildings for rent.

Advantages of renting with us:

- \* Part of the industrial zone Olomouc - Šlechtitelů (total area of the site is 16.8 hectares)
- \* Expertise and know-how of Palacký University
- \* Easy connection to the city bypass and highway D1 (Prague - Brno - Ostrava)
- \* Free parking

In addition to the standard lease we also offer shared co-working space and placement of your headquarters in a virtual office.

Block A - 1688 m<sup>2</sup>

- \* 8 multi-purpose rooms - laboratories

Block B - Business Incubator - 1076 m<sup>2</sup>

- \* 20 offices
- \* 2 pilot plants
- \* Virtual office

\* Training room

Blok C - Business incubator 2 - 1366 m2

\* 26 offices

\* 22 laboratories

\* pilot plant

Blok D - Envelopa Hub - 1900 m2

\* 2 komerční jednotky o velikost 78 m2

\* 26 offices (each 30 - 46 m2)

\* 1 open space 363 m2

\* 2 laboratories ( each one 74 m2)

\* 1 co-working 30 places, 367 m2

### **Cooperation with universities**

You too can have the latest scientific knowledge and cutting-edge technology that enables you to gain a decisive advantage over the competition and help you get to the top. Be inspired by our satisfied customers and take advantage of the opportunity of unique cooperation with Palacky University in Olomouc!

### **Services provided to innovation companies**

**by STP**

**external**

**Consultancy**



business plans



technological advisory



patent advisory



certification advisory



financing advisory



accounting



legal advisory



marketing advisory



education (courses for entrepreneurs)

**by STP**

**external**

**Technical services**

- 
- 
- secretarial services
- 
- 
- telephone exchange
- 
- 
- telephone, fax
- 
- 
- copy
- 
- 
- text processing
- 
- 
- reception
- 
- 
- buffet, canteen
- 
- 
- conference space
- 
- 
- computer for technical usage
- 
- 
- workshops
- 
- 
- laboratories
- 
- 
- access to data banks
- 
- 
- exhibition space

**by STP**

**external**

**Financing**

- 
- 
- equity
- 
- 
- credits
- 
- 
- subsidies
- 
- 
- other forms

## Service expenses

### STP service costs



only according to actual costs



only fixed payment tariff



fixed payment and additional charge for use



in lumps: rent, security, cleaning, phone, post

### Other costs (p.a.)

acc. to usage

fixed CZK/m<sup>2</sup>

heating



electricity



others



total

### Rent (p.a.)

CZK/m<sup>2</sup>

office space

production space

others

### Statistical data

innovation

other

institutions

**TOTAL**

**Companies**

26

45

1

72

**Employees**

250

54

25

329

**Rented area m2**

5500

300

200

6000

STP

**Land area**

11148 m2

**Built up park area**

9791 m2

**Utility area**

6000 m2

**- Rented area**

6000 m2

**= Remains for rent**

0 m2

**Innovation companies**

**3Dwiser**

Reg.nr.: 02935856

3Dwiser, with a 100% Czech property structure, was set up in 2014 to offer professional and dedicated services to demanding customers and businesses in the dynamically expanding 3D technology market. Clients today include a wide range of companies - from designers through architectural studios and design teams to schools, automobiles and manufacturing plants.

Tomáš Vít

Tel.: +420 777 728 081

E-mail: [olomouc@3dwiser.com](mailto:olomouc@3dwiser.com)

WWW: <https://3dwiser.com>

Technologies:

0301 - Computer-assisted production, control and planning, robotics

0304 - Production and process engineering (other)

Branches:

93 - Other service activities

**Annabis s.r.o.**

Reg.nr.: 28627164

Production of cosmetics, food supplements and medicinal substances. Research and development and production in the field of controlled cultivation.

Ing. Robin Kazík, Ph.D

Tel.: +420 777 103 749

E-mail: [kazik@annabis.cz](mailto:kazik@annabis.cz)

WWW: <http://www.annabis.cz>

Technologies:

0102 - Biomedicine

Branches:

73 - Research and development

**MedChemBio, z.s.p.o.**

Reg.nr.: 72023970

The MedChemBio cluster lab provides quality control services for medicines, active ingredients, starting materials and intermediates. At the request of the clients, it is possible to develop and validate analytical methods at MedChemBio. Existing laboratory equipment allows for both conventional and special physicochemical analyzes such as liquid chromatography, gas chromatography, infrared spectroscopy, titration and a whole range of analytical assays. The MedChemBio lab employs workers who have many years of experience working in good manufacturing practice in the pharmaceutical industry. The Laboratory has MZCR's permission to handle some drug precursors. The MedChemBio Laboratory is a contract laboratory of Teva Czech Industries

Mgr. Ing. Arnošt Rybář

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E-mail: [arnost.rybar@medchembio.cz](mailto:arnost.rybar@medchembio.cz)

WWW: <http://www.medchembio.cz>

Technologies:

0100 - Bioengineering

0700 - Medical and health engineering

Branches:

73 - Research and development

**Monitoring RC System**

Reg.nr.: 04627563

RC System s.r.o. develops and supplies systems for satellite tracking and vehicle search, also called vehicle monitoring. Customers also make extensive use of refueling and fuel scuffling systems, which, thanks to sophisticated fuel tanks in tanks, guard diesel and, in the event of theft, inform owners of predetermined telephone numbers. Another way to control costs is to read data from the vehicle control unit (CAN BUS) or to install the flow meter.

Bc. Ladislav Pospíšil



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Technologies:

1400 - Transport and logistics system, drive technology

Branches:

63 - Supporting and auxiliary transport activities, activities of travel agencies

### **OlChemIm**

Reg.nr.: 4754845

OlChemIm is an innovative company specializing in the production and sales of immunodiagnostics, growth regulators, plastics, and research chemicals. It provides production and sale of chemicals for scientific and research workplaces in our country and abroad. Its products include, for example, cytokinins, auxins, indole, gibberellins, brassinosteroids and others. In addition to these products, it also produces complete immunodiagnostic examination kits.

RNDr. Luděk Fröhlich

Tel.: +420 585 427 407

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E-mail: [info@olchemim.cz](mailto:info@olchemim.cz)

WWW: <http://www.olchemim.cz>

Technologies:

9006 - Polymer chemistry

Branches:

24 - Manufacture of chemicals and chemical products

### **RESPORTICA s.r.o.**

Reg.nr.: 03277488

The company is engaged in the development, production and sale of sports cosmetics.

Bc. Miroslav Janský

Tel.: +420 733 224 225

E-mail: [miroslav@privat-jansky.eu](mailto:miroslav@privat-jansky.eu)

WWW: <http://www.resportica.cz>

Technologies:

0304 - Production and process engineering (other)

Branches:

93 - Other service activities

### **Sabo Mobile - GmbH**

Reg.nr.: 298930118

SW development for medical devices.

Jaroslav Urban  
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WWW: [http:// www.sabo-gmbh.de](http://www.sabo-gmbh.de)

Technologies:  
9011 - Software development

Branches:  
93 - Other service activities

### **Ústav experimentální botaniky Akademie věd České republiky**

Reg.nr.: 61389030

The Institute of Experimental Botany of the Academy of Sciences of the Czech Republic (IEB AVCR) was founded in 1962. At present it has 14 laboratories located in Prague and Olomouc. The Institute carries out basic research in plant biology, namely in plant genetics, physiology, phytopathology and biotechnology. It is also active in applied research. In plant genetics, projects focus on pollen molecular genetics and plant functional genomics. The Institute cooperates with many research institutes and universities in the Czech Republic and abroad. The IEB scientists are taught at several Czech universities, and students of these schools work out their bachelor, master's and doctoral theses. The Institute of Experimental Botany also involves high school students as part of the Open Science project and is active in popularizing science among the general public.

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WWW: <http://www.ueb.cas.cz/cs>

Technologies:  
0100 - Bioengineering

Branches:  
73 - Research and development

### **Zall Letov Simulátory**

Reg.nr.: 27575497

Zall Letov Simulators Ltd. has been engaged in over 50 years of development and production of flight simulators. The company's Production portfolio includes a wide range of certified and non-certified simulators designed for flight schools, training organizations, scientific institutions, universities and the military. You can find Products around the world as an integral part of pilot training at all levels of flight training, both in the civilian and military sectors.

E-mail: [support@letovsim.cz](mailto:support@letovsim.cz)  
WWW: [www.letovsim.cz](http://www.letovsim.cz)

Technologies:  
1402 - Aviation engineering

Branches:

29 - Manufacture of machinery and equipment n.e.c.

62 - Air transport

Subject:

**Technologický inštitút Slovenskej akadémie vied**

Country:

Slovakia

Type of cooperation:

common project

Description:               Visegrad fond project partner.

Contact web:

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