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## **Entrepreneurial and innovation Park havlíčkův Brod**

Dobrovského 2366  
580 01 Havlíčkův Brod  
Tel.: +420-569466206  
E-mail: [vubhb@vubhb.cz](mailto:vubhb@vubhb.cz);  
WWW: <http://www.vubhb.cz>

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

Reg.nr.: 60109807  
Director: Mgr. Oldřich Cempírek ([vubhb@vubhb.cz](mailto:vubhb@vubhb.cz))  
Deputy: Ing. Jan Bouma, CSc.

### **Operating data of the park**

**Membership in STPA:** YES  
**State of the park:** accredited  
**Partner in project SPINET:** NO  
**Launch day:** 1.5. 1999

**Founder(s):** Potato Research Institute Ltd.  
**Owner(s):** Potato Research Institute Ltd.  
**Operator(s):** Potato Research Institute Ltd.

**Type of entity:** Limited company (Ltd.)  
**Criteria for acceptance of innovation firm:** Preferred innovation programme

### **Description of the park**

#### **Introduction**

Implementation of new technologies and new activities under conditions of PRI Havlíčkův Brod with the background for research, technology transfer, innovative, advisory and educational activity. Incubator of entrepreneurial activities. PRI Havlíčkův Brod is the owner, founder and operator of STP and in 2023 will celebrate 100th anniversary of its foundation. At present, 5 innovative companies are registered. Incubator of small and medium enterprises is not allocated from the STP; entering the STP innovative companies have more suitable conditions (rent and other services). The usable area of STP is 4256 m<sup>2</sup>, for enterprises without the Park operator 3131 m<sup>2</sup> are available. At present, revitalization of another building used in STP was finished, from the means of STP operator (PRI Havlíčkův Brod).

#### **Description of technology transfer**

As an example violet-coloured potato variety Valfi could be mentioned, which was bred by PRI and with its specific application in the practice it was documented and to a certain extent also popularized with aid of STPA in the competition Innovation of the year. Valy, Valmont, Valkýra, Val Blue, Val Red and Valda are further potato varieties recently bred in PRI. Further, we can mention "Utilization of Jerusalem artichoke in the agrarian sector". From Jerusalem artichoke varieties

introduced in the past, 4 varieties were bred via positive selection, for that PRI Havlíčkův Brod gained legal protection. There are varieties: Rút, Skarlet, Karin, Zlata differing in many characteristics and possibilities of application of tubers and also aboveground mass (food use, feeding, pharmaceutical industry, energetic purposes, set-aside land, decorative purposes and also use as a melliferous plant). Mentioned varieties were provided as seed material for interested people (farmers, hunting associations, hobby gardeners etc.). For many years, in the spring, Jerusalem artichoke tubers have been delivered as special feed for rhinoceros and other animals to Zoo Dvůr Králové. In 2014, a collection of Jerusalem artichoke varieties was presented during the exhibition Bread Basket. In the competition of exhibits the collection got awards "Golden Ear with a Flower" as one of the best exhibits fulfilling also ecological criteria. In the competition Innovation of the Year 2015 the collection was also successfully presented.

In 2016 early to medium-early, highly yielding potato variety Valkýra (cooking type BC) was bred, which is suitable for fresh consumption and production of chips, French fries and mashed potatoes. Tubers with their suitable dry matter content, low reducing sugar content and short-oval shape fulfil requirements of processing industry.

PRI bred a further specific potato variety with purple skin and flesh named Val Blue, which was registered in 2017. The variety has medium large, long-oval to fingerling tubers with shallow to medium-deep eyes. It is used for preparation of culinary specialities, especially salads, dumplings etc. In human nutrition Val Blue is a source of anthocyanins, characterized by antioxidant activity. The mentioned variety Val Blue was presented to agricultural and food public among others during the exhibition Bread Basket. In the competition of exhibits it got the award Golden Ear. In 2019, after implementation into practice and ensuring of variety rights, Val Blue had been signed up for the contest Innovation of the Year 2019 and was awarded honourable mention.

In 2022 two new potato varieties (Valda and Val Red) were registered. The variety Valda is early to medium-early variety for fresh consumption and chip and French fry production. The variety Val Red with red marbled flesh is medium-early to medium-late variety for fresh consumption and special use for coloured products.

A specialized map of suitability of conditions for late blight occurrence and spreading based on continuous critical values of index method was submitted for agricultural practice, which was created based on the project NAAR „Integrated late blight control under agroenvironmental conditions“. A benefit of the map is a positive impact on environment protection consisting in reduction of excessive fungicide applications. The map and a technological procedure derived from the map won Golden Ear within the fair Bread Basket 2022.

In the category of food and processing industry a inulin-based mixture for preparation of pastry by PRI. was also awarded with Golden Ear in 2022. A meal made from yacon and Jerusalem artichoke was used. The meal is suitable for diabetics and celiacs.

Company Metropolitní s.r.o. created conditions for business development in information technologies in the area of Vysočina Region and it is a successful internet, television and phone provider and it offers other telecommunication services.

Firma Pross s.r.o. (advertising and printing activities) expanded during its stay in the STP, so after its acting in the incubator it split off and it operates in its own building.

Company Milichovský has also become independent after several years in STP and has moved to its own created buildings.

Further we can mention companies AIKA s.r.o., AICOM, s.r.o., INGENIERTEAM, s.r.o. etc.

### **Innovative entrepreneurship training**

For needs of STP members contracts have been closed with VÚSH Brno and VÚTS Liberec regarding aid and education in the field of civil and mechanical engineering. The operator of the Park provides services to users of research results through practical information for enterprisers in the agriculture and related fields. 88 publications were issued, many publications are in the form of certified

methodologies. For example the certified methodology issued by PRI in 2022 „Methodology of early blight control in potatoes“ that uses results of the research project BY NAAR „Alternative procedures of disease and pest management...“.

### **Advisory services**

A list of services, which we provide for Park members, is available on the website, due to the project from the programme Prosperity conditions for STP operation were improved and it was also contributed to the maintenance of STP buildings. Saving of energy was among others reached during heating of a part of STP building and providing of higher comfort for companies in STP.

### **Innovation infrastructure**

Within the Vysočina Region STP Havlíčkův Brod acted between 1999 and 2013 as the only one STP. In the area of our place of operation, in the town Havlíčkův Brod and its surroundings we are in the consciousness of the public as a suitable partner in the initial enterprising period for our suitable location, providing of complex services, good parking conditions etc. STP cooperates with local Chamber of Commerce, Agrarian Chamber and the Town H. Brod. In the Vysočina region we transfer 7-8 times a year with the support of Regional Authority Vysočina many innovative results with actual meteorological data and recommendation of further operative solution during growing period in the field of potato pest, disease and weed management. This innovative information has been delivered to members of advisory association of agricultural enterprises (Potato Ring), leading agricultural and processing companies for many years.

### **Cooperation with universities**

With universities innovation solution in the field of potato growing and agricultural research has been developed with Czech University of Life Sciences Prague, University of South Bohemia in České Budějovice, Mendel University in Brno, University of Chemistry and Technology Prague. In addition, with several units of the Czech Academy of Sciences (examiners reviews for projects, Mgr and Bc theses, fellowships and consultations of students in PRI, special library of PRI etc.). Potato gene bank located in PRI is highly used by universities and Academy of Sciences, involving 1405 varieties, 539 hybrids, 352 wild potato species, 128 interspecific hybrids and 270 dihaploids.

### **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



2300

electricity



310

others



290

total

2900

#### **Rent (p.a.)**

**CZK/m<sup>2</sup>**

office space

800

production space

600

others

350

## Statistical data

innovation

other

institutions

**TOTAL**

**Companies**

6

29

4

39

**Employees**

25

52

75

152

**Rented area m2**

635

1185

2368

4188

STP

**Land area**

18493 m2

**Built up park area**

4505 m2

**Utility area**

4256 m2

**- Rented area**

4188 m2

**= Remains for rent**

68 m2

**Innovation companies**

**DATEUP s.r.o**

Reg.nr.: 24286192

designs, realization and service of electrical devices and control systems, revision of electrodevices

P. Machálek

Tel.: +420777619285,

E-mail: [petr.machalek@dateup.cz](mailto:petr.machalek@dateup.cz)

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

Technologies:

0202 - Power engineering, power electronics (other)

Branches:

31 - Manufacture of electrical machinery and apparatus n.e.c.

**KVKrobotix s.r.o**

Reg.nr.: 17066735

Martin Vondra

Tel.: +420602647142

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

WWW: [kvktechnology.cz](http://kvktechnology.cz)

Technologies:

Branches:

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

31 - Manufacture of electrical machinery and apparatus n.e.c.

73 - Research and development

**Medipo Agras H.B. spol. s r.o. Havlíčkův Brod**

Reg.nr.: 60913274

Machinery technologies in the field of potato production and processing mechanization, potato seed

Ing. Vlastimil Rasocha

Tel.: +420569422245

Fax: +420569425076

E-mail: [medipo@medipoagras.cz](mailto:medipo@medipoagras.cz)

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

Technologies:

0101 - Agricultural biology

9002 - Technical Equipments

Branches:

01 - Agriculture, hunting and related service activities

73 - Research and development

**Metropolitní, s.r.o.**

Reg.nr.: 48172481

providing of Triple-Play, internet, television, phone in the Vysočina region, Metropolitan optical network

Dobrovského 2366, 580 01 Havlíčkův Brod

Tel.: +420561110334

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

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

Technologies:

0300 - Production and process engineering

0400 - Information and communications technology

Branches:

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

31 - Manufacture of electrical machinery and apparatus n.e.c.

45 - Construction

64 - Post and telecommunications

72 - Computer and related activities

### **Miroslav Eisenwort**

Reg.nr.: 10464387

new methods in the aquarium fish breeding

Miroslav Eisenwort

Tel.: +420569422140,

Fax: +420569 425 716

E-mail: [aquaristika.eisenwort@seznam.cz](mailto:aquaristika.eisenwort@seznam.cz)

WWW: <http://www.aquaristika.eisenwort.sweb.cz>

Technologies:

0101 - Agricultural biology

Branches:

05 - Fishing, operation of fish hatcheries and fish farms, service activities incidental to fishing

### **Stapro**

Reg.nr.: 00135835

Development of software for polygraphy

Ing. Štohansl Luboš

Tel.: +420-569422109

E-mail: [cicero@stapro.cz](mailto:cicero@stapro.cz)

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

Technologies:

0407 - Information and communications technology (other)

Branches:

22 - Publishing, printing and reproduction of recorded media

Subject:

**Bock Bio Science, GmbH Bremen**

Country:

Germany

Type of cooperation:  
common project

Description:

In commercial field long-term cooperation in propagation of in vitro ornamental plants. More than 10 plant species are propagated for foreign customers.

In research field a project was realized in the programme EUREKA LTE 218006 Biotechnological production of plant resources of healthy beneficial substances for human digestive tract (gut brain), which was finished in 2021.

In addition, the project MEYS Eurostars 7D19008 Autonomous plant tissue culture (PTC) was finished at the end of 2022. The project AUTOPTC developed a functional prototype of the new autonomous system for in vitro sterile production of various plant species, which combines AI software-based robotics and laser cutting. The developed system will be verified and validated in two relevant real-world scenarios, soft fruits and mass potato propagation. In 2023 activities for commercialization of the whole system will be done.

Contact web:

<http://www.bockbioscience.com>

Contact e-mail:

[info@breedingleaders.com](mailto:info@breedingleaders.com)

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