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Tomas Bata University in Zlin, Technology park

Nad Ovčirnou 3685

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E-mail: bartonikova@utb.cz

WWW: <https://uni.utb.cz/organizacni-cleneni/vedeckotechnicky-park-pri-utb-ve-zline/>

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

Reg.nr.: 70883521

Director: prof. Ing. Michal Sedlačík, Ph.D. (bartonikova@utb.cz)

Deputy: Ing. Ivana Bartoníková, bartonikova@utb.cz

Operating data of the park

Membership in STPA: YES

State of the park: accredited

Partner in project SPINNET: NO

Launch day: 1.3. 2008

Founder(s): TBU in Zlín

Owner(s): TBU in Zlín

Operator(s): TBU in Zlín

Type of entity: University

Criteria for acceptance of innovation firm: Legal entity in the territory of the CZ with the subj. of R&D, plast., ener., cosmet., footwe

Description of the park

Introduction

The Science and Technology Park (STP) at TBU in Zlín provides a comprehensive infrastructure to support innovative business in the Zlín region and its surroundings.

The development of STP activities and services is in accordance with the needs of the region and regional partners and contributes to ensuring the functional transfer of the results of applied research activities into practice.

STP offers:

Mediation of contacts to employees of TBU research centers with the possibility of implementing joint innovative, research and transfer projects

- Use of the services of the Footwear Research Centre, including the Footwear Testing Laboratory with international accreditation according to ČSN EN ISO /IEC 17025:2018
- Cooperation in the area of use of certified clean rooms of class „C“ and services of the Internal Auditor according to ČSN EN ISO 13485 ed 2:2016
- Use of the services of the Technology Transfer Centre staff
- Organization of conferences, seminars, workshop meetings and other events held by STP at TBU
- Lease of office and laboratory space

- Comprehensive services in the field of use of research and development outputs in practice and protection of intellectual property, including search, analysis and patent representation performed by specialists with a high participation of long-standing experience in the field of industrial property protection

It offers luxury premises for rent - over-standard equipped offices and laboratories, technical and social facilities, meeting rooms for seminars and workshops with a total area of 5,821 square meters - to entrepreneurs, innovative companies and research and development workers.

Services within STP are provided by internationally recognized researchers, experts in analysis, examination, measurement and testing of materials and products, as well as development and research of new technologies, solving problems with technologies and processing, etc.

The Science and Technology Park was built in 2008, being supported by „Scientific and Technology Park and Technology Transfer Centre at the TBU of Zlín“ project. The project was financed by the European Fund for Regional Development the Ministry of Industry and Trade of the Czech Republic and the Tomas Bata University in Zlín within the Operational Program Industry and Entrepreneurship, the PROSPERITA program.

Description of technology transfer

4.10.2023 opening of the Locomotor Diagnostics Laboratory

Successful transfer projects 2020 - 2023:

- LS 2020000160 - Bc. Michal Kandr

Rights to use know-how „Design of a database of records from photo traps“ (dr. Lehejček J. and coll.)

-LS 2020000229 - IVF Czech Republic s.r.o., Rights to use the methodology „Proposal of methodology for evaluation of embryonic solutions“ (dr. Vaculíková K. and coll.)

-LS 2020001586 - The town of Uherské Hradiště, Rights to use know-how „Web application of the methodology of registration and evaluation of premises for improvised shelters and registration of permanent shelters“ (Dr. Rak and coll.)

- LS 2020001248 -NEXPRO Communication, s.r.o., Rights to use the know-how „Concept of the recommendation algorithm“ (prof. Jašek and coll.)

- LS 2021000531 - GALA a.s., Agreement concerning the transfer of rights to Community design No 008330757-0001 entitled „Volleyballs“ (Dr. Černeková and coll.)

- LS 2021000777 - VUCHT a.s.

Agreement on cooperation in research and use of the results of the project „Development of biodegradable surfactants for inorganic fillers“ (Dr. Pecha and coll.)

-LS 2022000157 - Plastikářský klastr z.s

Rights to use the technical solution according to the utility model of the Czech Republic No. 35694 entitled „Polymer mixture for the production of self-extinguishing micro-protectors of optical cable bundles“ (Dr. Matyáš and coll.)

-LS 2022000158 - Plastikářský klastr z.s.

Rights to use the technical solution according to utility model of the Czech Republic No. 35506 entitled „Building roof, covering and paving material for horizontal, inclined and vertical structures“

(Ing. Císař and coll.)

-LS 2022000159 - Plastikářský klastr z.s.

Rights to use the technical solution according to the utility model of the Czech Republic No. 35618 entitled „Porous composition based on a fully biodegradable polymer, especially for agricultural applications“ (Dr. Pummerová and coll.)

- LS 2022000410 - Hlavní město Praha

Rights to use know-how „Web platform for information support of municipalities“ (Dr. Svoboda and coll.)

- LS 2022000948 - NETZSCH - GERÄTEBAU GMBH

(multi-license within the partnership agreement)

Rights to use the technical solution to the patents of the Czech Republic No. CZ 304382 entitled „Extrusion head with inert capillary with zero length“, CZ 305409 entitled „Extrusion head with inert flat slot with zero length“, CZ 307664 entitled „Extrusion head for transformation of normal stresses of the polymer melt“, CZ 309071 entitled „Extrusion head with an inert exit slot, especially for high exit speeds of polymer melts“ (prof. Zatloukal and coll.)

- LS 2023000096 - HOST - publishing house, s.r.o. (publisher's license agreement)

Rights to publish the author's work (book) entitled „Don't forget your feet“ (Dr. Soukalová and coll.)

- LS 2023000224 - Plastikářský klast z.s.

Rights to use the technical solution to the utility model of the Czech Republic No. 36223 entitled „Biologically degradable polymer composition of a composite character“ (Dr. Domincová and coll.)

- LS 2023000287 - Plastikářský klast z.s.

Rights to use the technical solution to the patent of the Czech Republic No. 307276 entitled „Concentrate for antimicrobial stabilization of plastic surfaces created on the basis of an inorganic biologically active substance“ (Prof. Sedlařík and coll.)

- LS 2023000800 - WAKEMASTER s.r.o.

Rights to use the technical solution to the utility model of the Czech Republic No. 36767 entitled „Analyzer of accelerated material aging, especially mechanically and thermally stressed vulcanized rubber“ (doc. Stoček)

- LS 2023001321 - CATHEDRAL Software, s.r.o.

Rights to use the technical solution to utility model CR No. 37068 entitled „Terminal device for narrowband 5G networks with a universal interface“ (Dr. Dulík)

- LS 2023002207 - KORTAN spol. s.r.o.

Contract on the use of project results No. LTE219003 „FERTI-MAIZE - „Innovative foliar fertilizer for corn based on protein by-products“

Rights to use the technical solution to utility model CR No. 36491 entitled „Liquid foliar fertilizer with bio-stimulating effect based on protein hydrolysate of mixed collagen waste“

Rights to use the technical solution to utility model CR No. 36492 entitled „Liquid foliar fertilizer with bio-stimulating effect based on low-molar protein hydrolysate of mixed collagen wastes“ (Doc. Pecha and coll.)

Rights to use the verified technology entitled „Technology of preparation of organic fertilizer with bio-stimulating effect from mixed collagen waste raw material“

Rights to use the verified technology entitled „Technology of preparation of organic fertilizer from waste collagen raw material with a high proportion of low molecular fraction“

- LS 2023002460 - Dino Toys s.r.o.

Rights to use the author's work - Created functional game system and graphic version of the family game „Don't forget your feet“ protected by Community industrial design No. 015005226-0001 (Dr. Soukalová and coll.)

- LS 2019000702 - assignee University of Cambridge, United Kingdom
rights to use audio-visual work (film) entitled “THE HOUSE/DOMEK”

- LS 2020000290 - assignee LES FILMS DU PREAU SARL., France
rights to use the audio-visual work (film) entitled “CLOUDY”

- LS 2020000681 - assignee MAGNETFILM GmbH, Germany
rights to use the audio-visual work (film) entitled “THE WITCH”

- LS 2024000008 - acquirer ROKOSPOL a.s.

Rights to use know-how and functional sample with the name “Solvent thixotropic anti-corrosion gel without zinc content”, functional sample with the name “Solvent thixotropic anti-corrosion gel with zinc content”, functional sample with the name “Water-dilutable thixotropic anti-corrosion gel without zinc content”, functional sample with the name “Water-dilutable thixotropic anti-corrosion gel with zinc content” and verified technology with the name “Verified technology for the production of ground gels of new generation anti-corrosion pigments” (Dr. Machovský et al.)

- LS 2024000360 - acquirer G 3 s.r.o.

Rights to use the functional sample entitled “Material solution for a structural element”, the functional sample entitled “Material solution for a sealing element”, the prototype entitled “Prototype of a structural element”, the prototype entitled “Prototype of a sealing element”, the verified technology entitled “Technology of small-scale production of structural and sealing elements”, the Community industrial design No. 015043456-0001 “Shaped mechanical seals” and the Community industrial design No. 015043370-0001/0002 “Door stops” (dr. Machovský et al.)

The transfer of acquired knowledge from the field of basic research into practice is ensured within the TBU in Zlín through the Technology Transfer Centre (TTC), which was founded in 2008 as a specialized workplace for cooperation with the application sphere and the transfer of research and development (R&D) results, and which is integrated into the organizational structure of the University Institute of TBU in Zlín. Ensuring the industrial legal protection of R&D results and the implementation of the necessary steps leading to their commercialization is the subject of this specialized workplace at TBU. The development of TTC activities and services is in line with the needs of the region and regional partners and contributes to ensuring the functional transfer of the results of applied research activities into practice. In addition, TTC is an important link between TBU and industrial practice thanks to specialized services in the field of industrial property protection, which it provides not only internally for TBU, but also for industrial entities - external partners or other interested parties, in case of providing consultations, processing research and assessments

From 2010 to 31 December 2024, TTC TBU has concluded a total of 52 License Agreements, 11 Audio-visual Work Licenses, 51 Technology Transfer Agreements and supported 28 proof-of-concept projects.

Innovative entrepreneurship training

In 2024, TTC implemented the following seminars for TBU students and employees within the framework of STP:

Based on the implementation of the Implementation Plan of the University's Strategic Plan 21+ and the Activities of the Implementation Plan of the TBU Strategic Plan for 2024, an educational seminar „Exploitation of information - a necessary condition for the success of research and development and technology transfer“ was held on October 22, 2024, attended by 50 participants. On November 19, 2024, another seminar „Commercialization of research and development results from a legal and economic perspective“ was held, which was attended by 33 participants.

The TTC team held an educational seminar „Intellectual Property as a Marketing Tool“ for students of the Faculty of Computer Science, TBU in Zlín. The seminar took place on December 4, 2024, at the Faculty of Computer Science, and a total of 33 students participated in the seminar.

Supporting the quality selection of R&D outputs with practical application is declared by the new guidelines of the TTC TBU in Zlín in 2024: SR/9/2024 „Application and protection of intellectual property rights arising in connection with the creative activities of employees and students of TBU in Zlín and SR/1/2024 „Procedure and rules for commercialization.

Through the TTC, STP plays an important role in the university's activities within the region. Its activities are focused on applied research, protection of industrial rights, technology transfer and innovation. The TTC is an important link between TBU and industrial practice. In 2024, TBU in Zlín, through the Transfer Technology Centre, participated in the 5th year of the TRANSFERA TECHNOLOGY DAY 2024 competition, which was organized by the Transfera.cz association. One of technologies being nominated for the final was created by TBU (UNI, CPS and FORTES interactive s.r.o. - Transparent foil for antimicrobial protection of touch screens). The researchers who created it received the „TRANSFERA TECHNOLOGY DAY 2024 Finalist“ Certificate, which is a sign of quality and will help with its utilization in practice, visibility and securing future financial support.

TBU in Zlín, through TTC, participated in the competition for the INNOVATION OF THE YEAR 2024 Award, which has been announced regularly since 1996 by the Association of Innovative Entrepreneurship of the Czech Republic. The main Innovation of the Year 2024 Award was won by the project „Throwing Chair for Disabled Athletes“ as an output of the GAMA project, called Commercialization at Tomas Bata University in Zlín I. The said project was funded by the Technology Agency of the Czech Republic. This project for TBU was won by the Technology Transfer Center, which also contributed to the transfer of knowledge created from research into production. The throwing chair has its licensee, MVDr. Luboš Moravec, and the License Agreement is valid until 19 June 2027.

Advisory services

Through STP, TBU offers a whole range of applications a range of cooperation options - implementation of contractual research, solutions to joint applied research projects, development and innovation, realization of joint transfer projects of technical solutions and technological problems of practice, both in the form of commissioned research and in the form of using or renting equipment owned by TBU. In addition, STP offers and implements analysis and professional processing for industrial partners studies, optimization of technological processes, services of the Technology Transfer Center staff, securing the transfer of outputs from applied research created on TBU components and

connecting TBU research teams in Zlín with partners from the application sphere.

In 2024, new chances for the cooperation with the application sphere were created thanks to the partnership within the related projects of the Technological Agency of the Czech Republic (Epsilon, Théta, the Program of the National Center of Competence), as well as within projects of the Ministry of Education, Youth and Sports of the Czech Republic, within the EU Structural Funds (OP VVV) and the Junior Grants Competition of the TBU in Zlín and ERASMUS-EDU.

Innovation infrastructure

The Science and Technology Park (STP) at TBU in Zlín is aimed to support innovative companies, science, research and development activities through its services, which are provided here in wide range.

STP TBU in Zlín offers above-standard equipped offices and laboratories, technical and social facilities, premises for seminars and workshops with a total area of 5,821 m², certified clean premises of class „C“ with a professional guarantee of the services of the Internal Auditor according to ČSN EN ISO 13485 ed 2:2016 and the possibility of cooperation with scientific teams, modern facility and a lucrative location in the center of Zlín.

STP TBU in Zlín offers the services of a Footwear Testing Laboratory with international accreditation according to ČSN EN ISO /IEC 17025:2018 and services of the Locomotor Diagnostics Laboratory.

The Science and Technology Park at TBU in Zlín is a member of the Society of Science and Technology Parks of the Czech Republic, z.s. www.svtp.cz and provides a comprehensive infrastructure to support innovative business in the Zlín region and its surroundings.

Cooperation with universities

Cross-sectoral cooperation of students and academic staff is supported both on nationally and internationally

level. For example, it is the cooperation within projects realized through Technological Agencies of the Czech Republic (Epsilon, Theta, Program of the National Center of Competence), as well as within projects of the Ministry of Education, Youth and Sports of the Czech Republic, within the EU Structural Funds (OP VVV) and the Junior Grants Competition of the TBU in Zlín (JUNG). Research-oriented academic staff and students of doctoral study programs participated in the implementation of these projects into the industrial sphere and conversely - utilization of the response as impulses for further research. Foreign activities are included especially in cooperation on the preparation and realization of international projects supported by the European Commission (Horizon - TWIN, Horizon -SOLiD, Horizon -Stories) and EU funds - ERASMUS-EDU.

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/m²

heating



electricity



others



total

Rent (p.a.)

CZK/m²

office space

2813 vč. el.+sl.

production space

4673 vč. el.+sl.

others

3593 vč. el.+sl.

Statistical data

innovation

other

institutions

TOTAL

Companies

4

1

5

Employees

24

49

73

Rented area m2

189

5632

5821

STP

Land area

3569 m2

Built up park area

2320 m2

Utility area

5821 m2

- Rented area

5821 m2

= Remains for rent

0 m2

Innovation companies

BOREALIS

Reg.nr.: 48582140

Borealis is one of the world's leading providers of advanced and circular polyolefin solutions and a European front-runner in polyolefin recycling. In Europe, Borealis is an innovative leader in

polyolefin recycling and a major producer of basic chemicals.

Borealis leverages its expertise in polyolefins and decades of experience to offer innovative and circular, value-added material solutions for key industries such as consumer products, energy, healthcare, infrastructure and mobility.

Petr Vondráček

Tel.: +420603482233

E-mail: petr.vondracek@external.borealisgroup.com

WWW: <http://www.borealisgroup.com/>

Technologies:

9006 - Polymer chemistry

Branches:

24 - Manufacture of chemicals and chemical products

25 - Manufacture of rubber and plastic products

37 - Recycling

73 - Research and development

93 - Other service activities

Chiromed group

Reg.nr.: 49432681

Since 2007, the company has been involved in the development, innovation and production of medical devices.

Customers include eye clinics, reproductive medicine clinics, private gynecological clinics, professional cosmetic and regenerative facilities, veterinary clinics and private doctors.

The company's goal is to find the best product in cooperation with companies.

Such a product meets not only general standards and criteria, such as quality, price and the necessary level of health protection, but above all individual requirements.

The products are manufactured in clean rooms of cleanliness class ISO 7 according to the ISO 14644 standard and in accordance with ČSN EN ISO 13485 ed. 2:2016.

Ing. Tomáš Sáha, Ph.D.

Tel.: +420 576 038 157

E-mail: info@chiromedgroup.cz

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

Technologies:

0300 - Production and process engineering

0700 - Medical and health engineering

0704 - Medical equipment and systems

0705 - Public Health

1208 - High performance polymers

1217 - Composite materials

9007 - Fabrication from Plasticine

Branches:

25 - Manufacture of rubber and plastic products

93 - Other service activities

JELÍNEK - TRADING

Reg.nr.: 42339723

The company was founded in 1991

Brings raw materials back to life:

INJECTION PLANT

injection molding plant

production of composters

OP PIK project

TECHNOLOGY FOR INDUSTRY

Jacob piping systems

magnetic separators

MESUTRONIC metal detectors

dust removal

extraction systems

connecting components

conveyors

rotary feeders

Ing. Otto Jelínek

Tel.: +420 606 706 104

E-mail: zlin@jelinek-trading.cz

WWW: www.jelinek-trading.cz

Technologies:

9007 - Fabrice from Plasticine

Branches:

25 - Manufacture of rubber and plastic products

37 - Recycling

93 - Other service activities

Röchling Industrial Tábor

Reg.nr.: 26439441

The Röchling Group shapes industry. Worldwide. For over 200 years. With our customized plastics, we change people's lives every day: they reduce the weight of cars, increase the safety of pharmaceutical packaging and improve industrial applications. Our workforce of 11,988 people is located where our customers are - at 90 locations in 25 countries. The group's three divisions generated combined annual sales of 2,723 million euros in 2023.

Industrial Division, Plastics for Technical Applications. Offers a wide range of thermoplastics and composites for technical applications. Products are supplied in the form of semi-finished products such as sheets, rods, pipes, flat bars, profiles and finished castings to precision machined parts.

The Automotive division improves mobility. And it does so with product solutions made from our material: plastic. To do this, it uses our expertise in battery solutions, lightweight construction, aerodynamics and propulsion. This makes driving easier, safer and more climate-friendly.

The Medical division is a trusted and preferred supplier and development partner of leading pharmaceutical, biotechnology and healthcare companies worldwide. It designs and manufactures customized pharmaceutical packaging and drug delivery solutions, medical diagnostic consumables as well as sophisticated components and assemblies for medical devices under cleanroom conditions at six locations in Germany, the US and China.

Jan Michalíček

Tel.: +420 381 200 288

E-mail: jmichalicek@roechling.com

WWW: www.roechling.com/industrial

Technologies:

0300 - Production and process engineering

0700 - Medical and health engineering

0704 - Medical equipment and systems

1200 - New materials

9900 - Other

Branches:

25 - Manufacture of rubber and plastic products

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

85 - Health and social work

93 - Other service activities

Subject:

Pruef- und Forschungsinstitut Pirmasens e. V.

Country:

Germany

Type of cooperation:

other

Description:

Memorandum of cooperation in the field of transfer of technologies.

IKAROS CZ.02.2.69/0.0/0.0/18_054/0014623, KA06.

Motivated by the interest on the cooperation each to other in the field of transfer of technologies, particularly in the field of commercialization of knowledge and technologies applied in the footwear industry, have entered this Memorandum

Contact web:

<http://www.isc-germany.com>

Contact e-mail:

michal.spacek@isc-germany.com

Subject:

Centrum vedecko-technických informácií SR

Country:

Slovakia

Type of cooperation:

other

Description: Memorandum of cooperation in the field of transfer of technologies.
IKAROS CZ.02.2.69/0.0/0.0/18_054/0014623, KA06.
TBU in Zlín and CVTI SR, as participants in the memorandum, declare their interest in cooperation with the aim of supporting the transfer of knowledge as well as skills and technologies from the academic sphere into practice.

Contact web:
<http://www.cvtisr.sk>
Contact e-mail:
miroslav.kubis@cvtisr.sk

Subject:
Univerzita Pavla Jozefa Šafárika v Košiciach

Country:
Slovakia
Type of cooperation:
other

Description: Property right to the results of intellectual activity.
Agreement on co-ownership of the subject of industrial property
Agreement on co-ownership shares in the solution to the invention entitled „Modified carbon electrode with increased electrical conductivity and method of its production“, PV 2022-35”.

Contact web:
<http://www.upjs.sk/pracoviska/tip/>
Contact e-mail:
renata.bacarova@upjs.sk

Subject:
VUCHT a.s. Bratislava

Country:
Slovakia
Type of cooperation:
other

Description: Agreement on cooperation in research and use of project results.
Agreement on cooperation in research and use of the results of the project „Development of biodegradable surfactants for inorganic fertilizers“.
The subject of the contract is the regulation of the mutual rights and obligations of the contracting parties during their cooperation each to other on the research and development of the surface treatment agent for fertilizers, setting of the relationship to the inserted and created intellectual property, as well as the definition of the conditions of the commercial use of the project outputs

Contact web:
<http://www.vucht.sk>

Contact e-mail:

bbrezny@vucht.sk

Subject:

1. S.C. PROBSTDORFER SAATZUCHT ROMANIA SRL, 2. The National Research & Development Institute for Textiles and Leather (INCDTP)-Leather and Footwear R

Country:

Romania

Type of cooperation:

common project

Description:

Agreement on property rights in a jointly created invention:
A team of workers from the Faculty of Applied Informatics of TBU in Zlín, led by doc. Ing. Jiří Pecha, Ph.D., created, within the framework of the EUREKA project, E!12610 FERTI-MAIZE (LTE219003), Innovative foliar fertilizer for corn based on protein by-products, in cooperation with foreign partners, an auxiliary material based on calcium, sulfur and nitrogen for soil fertilization. This auxiliary material, which is produced as a by-product of the biofertilizer preparation process by hydrolysis of collagen products, is protected by patent granted in Romania - RO 137457 with the title „Material auxiliar pe baza de Ca, S si N pentru fertilizarea solului in cultura cerealelor si a altor plante“, and also in the Czech Republic - patent CZ 310027 with the title „Method of producing auxiliary material based on Ca, S and N for soil fertilization“.

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pecha@utb.cz

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