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COMTES FHT a.s. (VTP COMTES)

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

Reg.nr.: 26316919
Director: Ing. Michal Zemko, PhD. (michal.zemko@comtesfht.cz)

Operating data of the park

Membership in STPA: YES
State of the park: accredited
Partner in project SPINNET: NO
Launch day: 30.11. 2018

Founder(s): COMTES FHT a.s.
Owner(s): COMTES FHT a.s.
Operator(s): COMTES FHT a.s.

Type of entity: research organisation

Criteria for acceptance of innovation firm: Compliance of the business plan and R&D projects of the innovative company with the focus of STP.

Description of the park

Introduction

The goal of VTP COMTES is to provide comprehensive support to SMEs in their development and innovation of products and services. The purpose of the VTP COMTES science and technology park is to include the entire value chain of primary and supporting activities in research and development of metallic materials and technologies of their production.

Description of technology transfer

- cooperation in R&D - management of R&D projects
- services directly related to technology transfer (TT) in the Czech Republic and abroad
- ensuring technological audit as a way of checking mainly the setting of parameters of used technologies and systems
- providing the „technology watch“ service - mapping the market of existing technologies - information on offers and demands for new technologies and opportunities for cooperation in their development; VTP will become a member of the European network in support of TT and will thus have access to a continuously updated database of offers and demands for technologies, materials and innovative solutions; Those interested in the service will be sent updated information from the

database electronically

- providing the „partner search“ service - searching for partners from the application sphere in the Czech Republic and abroad; VTP will establish contact with the European Enterprise Europe Network supported by the European Commission
- organization of cooperation exchanges with the participation of domestic and foreign R&D entities and companies, where activities and achieved results will be presented and space will be created for bilateral negotiations with potential partners / customers, exchange of views and dialogue
- professional advice on technology transfer - legal standards, licenses, patent attorney services
- financial and subsidy consultancy, information on EU and Czech programs to support R&D and innovation, assistance in the preparation of these projects, mediation of banking expert services for technology transfer

Specific examples of technology transfer:

1. Investigation of mechanical properties of CuCrZr, CuAgZr and Inconel, including heat treatment
 - Long-term cooperation with the German company Impact Innovations GmbH regarding the development of cold spray technologies, additive production and component testing.
2. Development of special welding wires in cooperation with the Prague company BREVIL, export-import, spol. s r.o.

Innovative entrepreneurship training

Companies located in VTP have at their disposal the entire value chain of primary and supporting activities directly related to the activities of the research organization COMTES FHT a.s., which deals with research and development of metallic materials.

VTP COMTES stimulates the prosperity of start-up companies with a technological focus by creating conditions for connecting research and development entities with companies and supporting their cooperation.

-An example of a successful project in the field of education for innovative entrepreneurship is, for example, the participation of the operator VTP spol. COMTES FHT s.r.o. in the POSPOL project (Support for cooperation between schools and companies with a focus on vocational education in practice). The project aimed to strengthen the links between the university, the CzechInvest office for the Pilsen region, research organizations, industrial companies and the Business Innovation Center (BIC Plzeň). Another goal of the project was to speed up and improve the exchange of information between research organizations, industry and their representative organizations.

-Link to project: <https://www.comtesfht.cz/operacni-program-vzdelavani-pro-konkur-konkurenceschopnos>

Advisory services

- accounting and tax advice
 - audit and certification
 - legal advice
 - marketing consulting
 - use of information and communication technologies in the company
 - financial advice: - financial and subsidy advice, information on EU and Czech programs to support R&D and innovation, assistance in the preparation of these projects, mediation of banking expert services for technology transfer
- Professional services - laboratory analyzes, measurements and other services

research organizations COMTES FHT a.s.

Innovation infrastructure

SME have available an innovative infrastructure:

3D printer,

CAD,

CAE software

laboratories COMTES FHT a.s.

VTP COMTES and its employees actively participate in the development of regional innovation infrastructure, eg by active participation in the Regional Council for Research, Development and Innovation, membership in the industry platforms of intelligent specialization of the Pilsen Region.

Cooperation with universities

- University of West Bohemia in Pilsen - Faculty of Mechanical Engineering
- University of West Bohemia in Pilsen - Faculty of Applied Sciences
- University of West Bohemia in Pilsen - New technologies - research center
- Charles University - Faculty of Medicine in Pilsen
- Charles University - Faculty of Mathematics and Physics
- Czech Technical University - Faculty of Mechanical Engineering
- Institute of Chemical Technology in Prague

Examples of specific cooperation: <https://www.comtesfht.cz/gacr>

In order to support the training of young professionals, COMTES FHT a.s. concluded cooperation agreements with several universities in the Czech Republic and abroad. COMTES participates in the education of graduates and doctoral students in the form of a training workplace for practical exercises and demonstrations of devices and laboratories, the organization of professional seminars and the preparation of joint professional publications. University students complete study stays and internships at COMTES and work on the topics of their year or diploma theses. They use modern laboratory and instrumentation facilities.

Since 2014, a total of 9 COMTES FHT employees (Dlouhý, Džugan, Heller, Kubec, Kubina, Mašek, Vojtěch and Zemko) have taught at the UWB in Pilsen / Faculty of Mechanical Engineering, VŠB-Technical University of Ostrava, CTU Prague, University of Chemical Technology in Prague.). These researchers also acted as consultants / tutors for master's and postgraduate students. In the same period, under their leadership, she defended her diploma, resp. the doctoral thesis was defended by 15 resp. 8 students.

Furthermore, employees (Dlouhý, Konopík, Šuchmann, Dlouhý, Podaný) participate in WELDING-PLZEŇ courses for welding engineers.

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

Oher costs (p.a.)

**acc. to usage
fixed CZK/m2**

heating

electricity

others

total

**Rent (p.a.)
CZK/m2**

office space
2900

production space
750

others

Statistical data

innovation

other

institutions

TOTAL

Companies

7

4

11

Employees

60

12

72

Rented area m2

1465

242

1707

STP

Land area

12867 m2

Built up park area

2348 m2

Utility area

3960 m2

- Rented area

1707 m2

= Remains for rent

2253 m2

Innovation companies

AIR SUPPLY SOLUTION s.r.o

Reg.nr.: 05558042

The main activity includes the production of compressors for both railway vehicles and general industrial applications. They pay special attention to proprietary IMON control, diagnostics and monitoring systems. The international team gives the company the opportunity to operate in the markets of the European Community, China, customs union countries and the CIS countries.

Ing. KIRILL KASAEV

Tel.: +420773022142

E-mail: info@airsuppliesolutions.cz

WWW: <http://airsuppliesolutions.cz/>

Technologies:

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

1405 - Transport and logistics systems, drive technology (other)

9010 - Monitoring Systems

Branches:

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

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

Aliz s.r.o.

Reg.nr.: 07758936

Consulting in the field of technical innovation

Miroslav Hejzek

Technologies:

1200 - New materials

1402 - Aviation engineering

1403 - Aerospace engineering

1404 - Rail- and road-traffic engineering

9900 - Other

Branches:

72 - Computer and related activities

Ing. Jiří Živec

Reg.nr.: 43194591

Development and repair of measuring equipment and special electronics

Ing. Jiří Živec

Tel.: +420 602 467 329

E-mail: seff@centrum.cz

Technologies:

0800 - Measurement and control

0801 - Measurement and control

0900 - Microelectronics

9011 - Software development

9900 - Other

Branches:

72 - Computer and related activities

73 - Research and development

PEARTEC s.r.o.

Reg.nr.: 28050932

The construction and production of molds (tools) as well as the injection molding of plastic parts, together with multiphysical simulations verified by practical tests and prototypes, are the core program of PEARTEC.

Geographically, PEARTEC's activities are implemented in Europe (Czech Republic, Slovakia, Germany, Austria, Portugal and Italy) and in China.

Ing. Václav Khin

Tel.: +420 605 264 797

E-mail: khin.v@peartec.cz

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

Technologies:

0408 - Information management

0409 - Artificial intelligence

0800 - Measurement and control

0801 - Measurement and control

9001 - Controlling Systems

9002 - Technical Equipments

9010 - Monitoring Systems

Branches:

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

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

PROINNO a.s.

Reg.nr.: 02593572

The company offers very flexible processing of orders in the field of metallurgical technologies (melting, forming and heat treatment), computer modeling, material analysis and mechanical testing, or thermophysical measurements.

Dr. Ing. ZBYŠEK NOVÝ

Tel.: +420 377 197 301

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WWW: <https://www.proinno.cz/cs/>

Technologies:

0207 - Hydrogen technology

9900 - Other

Branches:

72 - Computer and related activities

73 - Research and development

74 - Other business activities

93 - Other service activities

RAPTECH s.r.o.

Reg.nr.: 04003497

Raptech s.r.o. is a company dedicated to machining, additive production and the use of laser technologies in the production of molds and tools. Qualified workers with many years of experience work on completely new machine tools. The application of laser hardening is aimed at increasing the service life of functional heavily stressed surfaces, such as molds and crimping tools. Laser surfacing is focused on repairs of machine parts and dies, protection against abrasive, high temperature and corrosion wear. Laser welding technologies are being developed for new applications for joining high-strength fine-grained multiphase steels. In the field of additive production, the company RAPTECH s.r.o. new applications where metal powders are laser sintered to produce high value-added components. The development of technologies is carried out in close cooperation with the customer, the results of the development are transferred to commercial use.

Doc. Ing. Stanislav Němeček

Tel.: +420 728 988 828

E-mail: nemecek@raptech.cz

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

Technologies:

0500 - Laser technology

0501 - Laser applications

0502 - Laser-beam technology

0503 - Laser technology (other)

Branches:

28 - Manufacture of fabricated metal products, except machinery and equipment

93 - Other service activities

Smart Technologies s.r.o.

Reg.nr.: 26393301

The company specializes in the design and manufacture of anti-type tools made of aluminum, wood, plastic, stainless steel and iron. Injection molds of plastic or rubber. Both individual inserts and entire molds. Control templates and entire workplaces, for example with camera systems, are a matter of course. We digitize the customer's product and continue to work with the obtained 3D data in the design and subsequent production.

We have implemented a number of inspection workplaces for testing automotive parts, hundreds of complete injection molds, inspection and assembly jigs or templates.

Ing. Karel Ringelhán

Tel.: +420 371 650 621

E-mail: info@smart-tech.cz

WWW: <https://www.smart-tech.cz/>

Technologies:

9900 - Other

Branches:

25 - Manufacture of rubber and plastic products

28 - Manufacture of fabricated metal products, except machinery and equipment

ŠKOLA WELDING s.r.o.

Reg.nr.: 47718552

The company provides comprehensive services in the field of training, education and testing of welding personnel, auditing, inspection, consulting and business activities.

David Rambousek

Tel.: +420 606 643 952

E-mail: sekretariat@skola-welding.cz

WWW: <http://www.skola-welding.cz/>

Technologies:

0300 - Production and process engineering

Branches:

28 - Manufacture of fabricated metal products, except machinery and equipment

80 - Education

Subject:

3D COVER - Kovové materiály v procesním řetězci aditivní výroby

Country:

Germany

Type of cooperation:

common project

Description:

3D COVER researches and develops specific material properties, which will form the basis of a knowledge database for the process of powder additive production (AM) using a laser (selective laser melting - SLS or SLM). The planned project combines the top knowledge of three research institutions in the region, which form a unique combination. 3D COVER forms the research foundations of the entire process, which will evolve into a production technology in the future that will be as important as the production of components by traditional processing and melting. The aim of the project is to create a knowledge base for SLM, which is currently insufficient. Another goal, which builds on the equipment and expertise, is to create research infrastructure, connect its capacities and support further future-oriented training of professionals in the project area.

Contact web:

<https://www.comtesfht.cz/cil-eus-ceska-republika-svobodny-stat-bavorsko-201>

Contact e-mail:

comtes@comtesfht.cz

Subject:

Impact Innovations GmbH

Country:

Germany

Type of cooperation:

other

Description: Development of cold spray technologies, additive production,
component testing.

Contact web:

https://www.impact-innovations.com/en/index_en.html

Contact e-mail:

comtes@comtesfht.cz

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