

Applied Research and Development collaboration driving innovation



Haute école d'ingénierie et d'architecture Fribourg
Hochschule für Technik und Architektur Freiburg

Hes·so

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the service of society**

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centers**

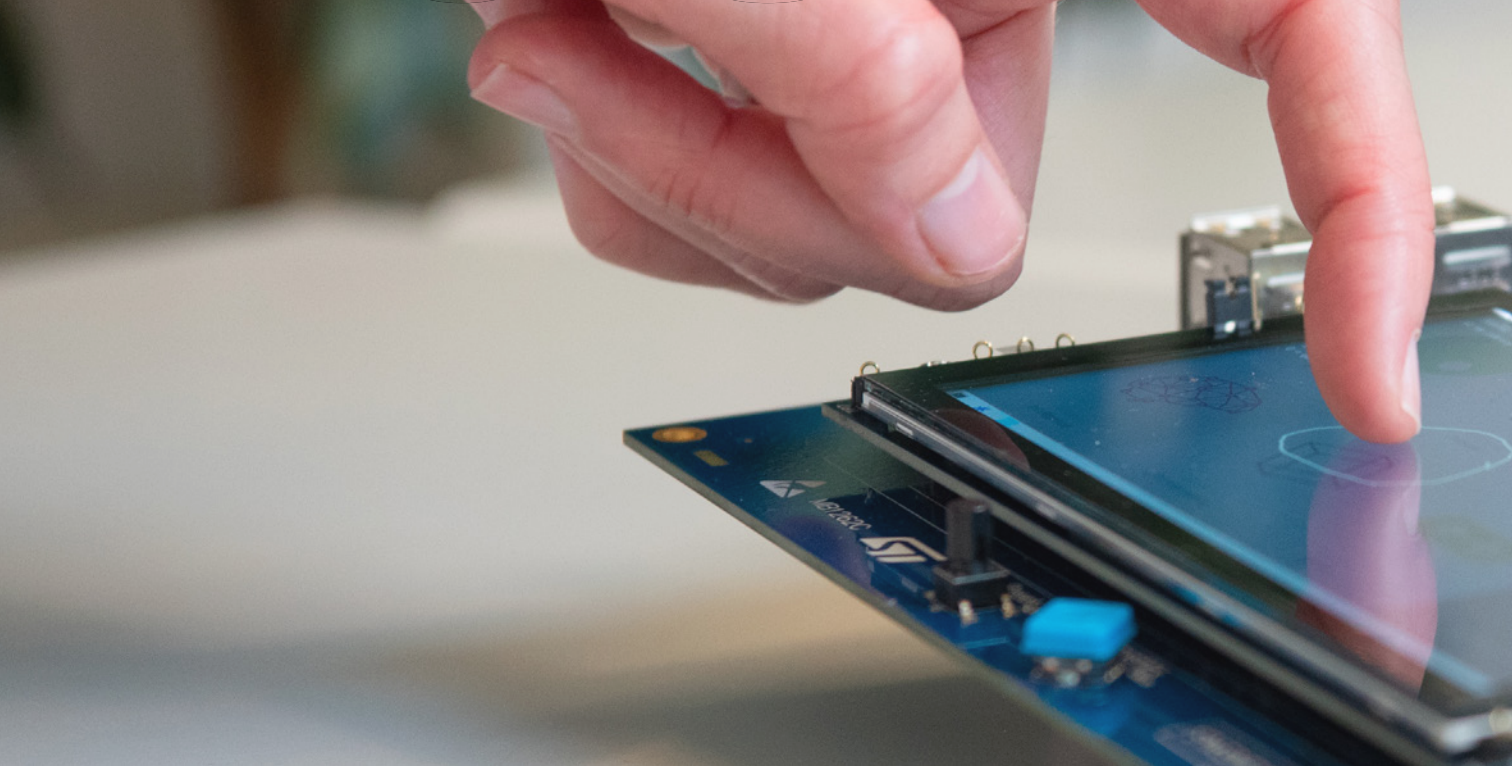
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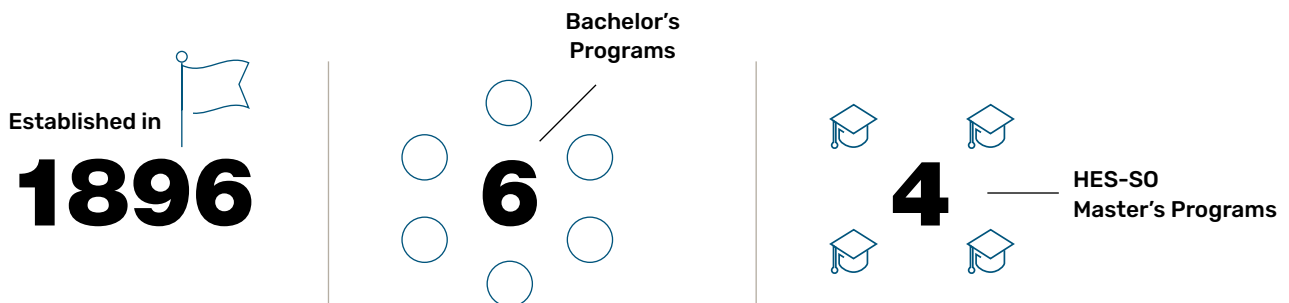


RESEARCH FOR THE BENEFIT OF SOCIETY

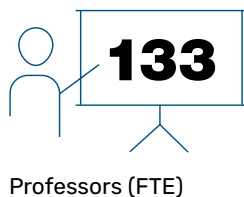
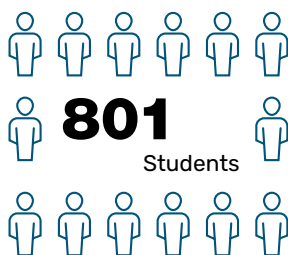
Located in the heart of Switzerland, the HEIA-FR is a bilingual School of Engineering and Architecture that collaborates closely with economic and industrial actors.

Every year, the School of Engineering and Architecture of Fribourg (HEIA-FR) trains around 1000 students in six different Bachelor's programs and four Master's programs.

The school also hosts a rich applied research and development (aR&D) network with close ties to the economy: ten institutes and four competence centers address the technical and scientific challenges defined by their numerous regional and national partners. In the following pages, we invite you to learn more about the research activities of the HEIA-FR.



In 2025



152

Academic associates
(FTE)



71

Technical and
administrative
staff (FTE)



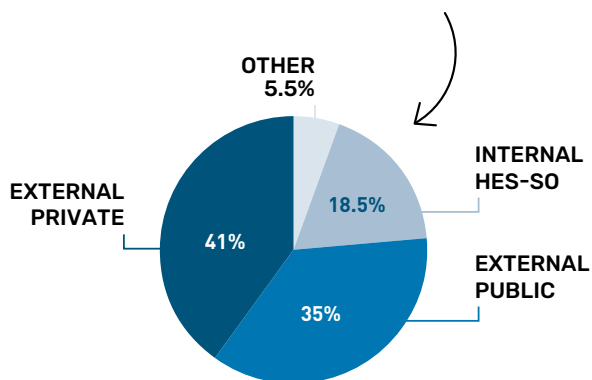
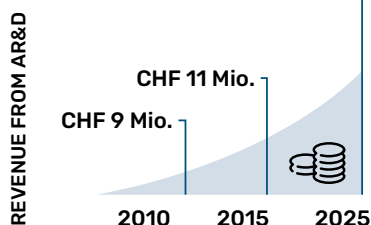
WHY PARTNER WITH HEIA-FR?

HEIA-FR's applied research and development is open to economic partners of all sizes, from small local enterprises to public institutions and multinational companies.

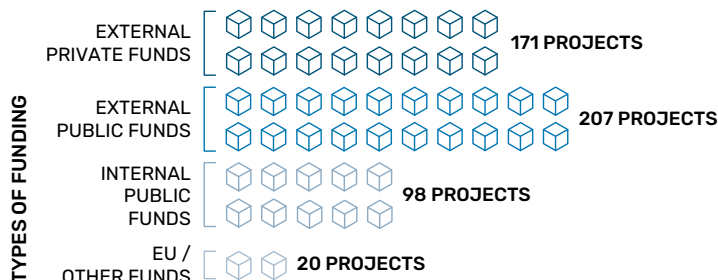
HEIA-FR is a research institution on a human scale. Our projects contribute to a more efficient, resilient and sustainable society by developing market-oriented products, services and technologies across a wide range of domains. These include industrial technologies, construction and the environment, and information and communication technologies.

With highly-qualified staff and state-of-the-art facilities, our research institutes and competence centers are able to address the needs of the economy using an experimental yet practical approach. Furthermore, our collaborative projects can qualify for funding from Innosuisse, the Swiss Innovation Agency, or from the New Regional Policy of the Canton of Fribourg, among others.

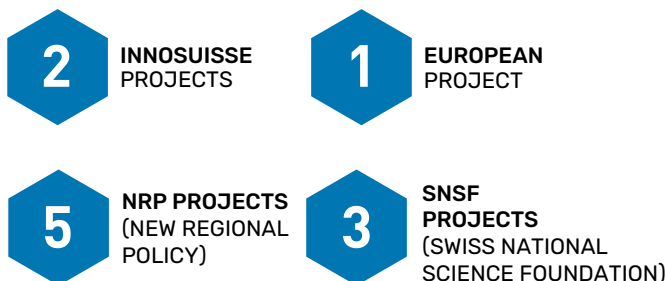
CHF 20 Mio.



496 active projects IN 2025

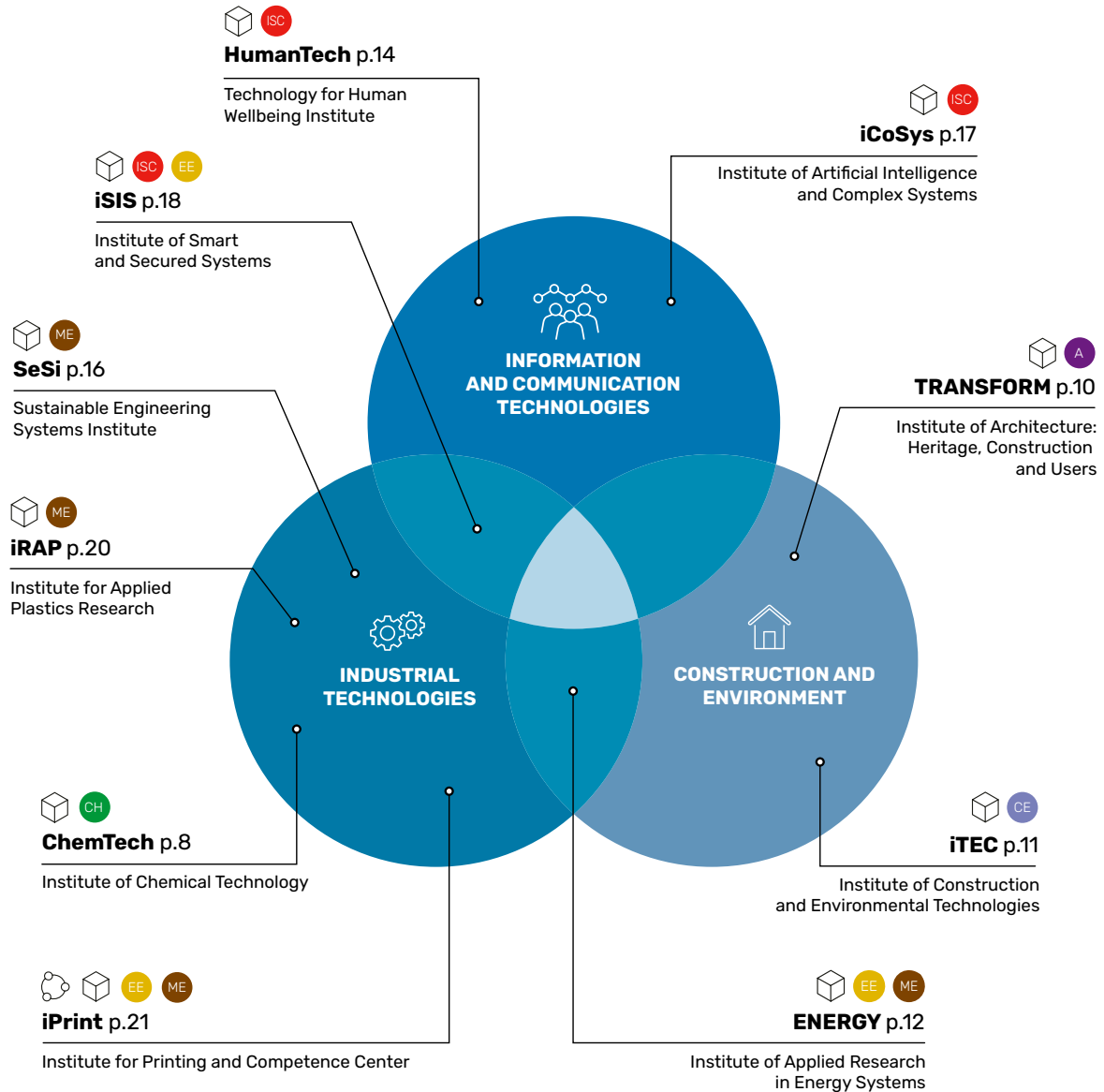


262 projects LAUNCHED IN 2025, INCLUDING:



APPLIED RESEARCH INSTITUTES INNOVATION IN PROMISING RESEARCH AREAS

The work done in our different applied research institutes converges into three main clusters. This expertise enriches the content of our educational and training programs.



COMPETENCE CENTERS AT THE INTERSECTION OF SPECIALIZED KNOWLEDGE FIELDS

The centers of competence of the HEIA-FR are characterized by their interdisciplinarity and their understanding of market needs.





Institute
of chemical technologies

APPLIED CHEMISTRY AT THE SERVICE OF THE INDUSTRY

With deep expertise in synthesis, chemical engineering, analytics, characterization, process chemistry, scale-up and production, the ChemTech institute specializes in transforming molecular innovations into industrial processes for the chemical, pharmaceutical, medtech, food, and watchmaking industries among others.

Chemical process development

Synthesis and catalysis in the fields of fine chemicals and pharmaceuticals, development of intensified and sustainable materials and processes, optimization, scale-up and production

Characterization technologies

Property characterization of new materials and surfaces, development of online analytical and monitoring methods (PAT and bio-PAT)

Flow chemistry

New synthesis and isolation technologies for flow systems, conversion of batch or fed-batch processes into continuous processes, particularly through the use of microreactors

Facilities

- Industrial chemistry laboratory (up to 600l) with ATEX zone
- Analytical platform (chromatography, NMR)
- Thermal and process safety (RC, DSC, TGA)
- Organic chemistry and flow chemistry laboratories
- Automated bioreactor, high temperature oven (1500°C)

Partners

Scientific

- University of Fribourg
- Haute école de viticulture et œnologie de Changins
- Swiss Federal Institutes of Technology (EPFL, ETH Zurich)

Industrial / institutional

- Bachem
- Bloom Biorenewables
- Metalor
- Novartis
- Firmenich



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To the institute
home page:

go.heia-fr.ch/en/chemtech



Case study
Métalor

*Development and
industrialization of
catalysts*



go.hefr.ch/chemtech-play

Biofactory Competence Center

YOUR BIOTECH PARTNER

The BCC supports its partners in the development of innovative and scalable biotechnological production processes in the biopharmaceutical sector, as well as in the food industry and industrial biotechnology. It is also a training center serving the biopharmaceutical industries.



BCC

Applied research

The BCC develops innovative, industry-standard compatible biotechnological production processes in specialized areas such as therapeutic proteins, antimicrobial resistance (phagotherapy), medical implants, and food product development

Professional education

and training

The BCC is equipped with specially designed clean rooms for training courses in the field of biopharmaceutical manufacturing and related industries

Exhibition spaces /

Vendor display spaces

Located in the heart of Switzerland and Europe, the BCC offers its partners a unique opportunity to showcase and test their equipment

Partners

Scientific

- CHUV
- Agroscope
- Regenosca
- Micros

Industrial / institutional

- Cytiva
- Repligen
- Nikon
- PMS Process Management System

Facilities

- Microbial cultures (bacteria, yeasts, microalgae) and animal cells in bioreactors
- Protein purification by filtration or chromatography
- Production and purification of bacteriophages
- Clean rooms
- Biosafety Level 2 (BSL2)
- Process Analytical Technology (PAT)



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Participating institute

- Chemtech, p. 8



To the competence center
home page:
bcc.ch



Institute of Architecture: Heritage, Construction and Users

TRANSFORMATION: A SYNONYM FOR INNOVATION

TRANSFORM is the only research institute in Switzerland focusing on urban and architectural transformation as an area of innovation. Its interdisciplinary approach helps create a sustainable built and natural environment. TRANSFORM works towards the judicious integration of innovative technologies and processes into the renovation, restoration, redevelopment, requalification or reuse of buildings, neighborhoods and cities.

Built and territorial heritage

Heritage-conserving adaptations, planning the transformation of urban and rural territory while respecting its identity

Architecture and energy

Integration of technology into construction, focus on construction processes, design of methods that minimize damage from construction

Interactions between

users and places

Adaptation of architectural typologies to fit user profiles, design of spaces that respond to health-related needs and problems, monitoring new materials



Facilities

- PopUp Workshop
- Smart Living Lab
- CroqAIR
- BIM Lab

Partners

Scientific

- Swiss Federal Institutes of Technology (EPFL, ETH Zurich)
- University of Fribourg
- Université de Genève
- Hochschule Luzern
- Université de Franche-Comté

Industrial / institutional

- Federal Office of Public Health (FOPH)
- Losinger Marazzi SA
- City of Fribourg
- Canton of Vaud
- Suisse Energie
- Patrimoine Suisse
- La Ressourcerie



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To the institute
home page:

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Case study

Energy renovation

*Holistic approach to
the building envelope*



go.hefr.ch/transform-play

Institute of Construction and Environmental Technologies

TOMORROW'S CIVIL ENGINEERING

iTEC is contributing to a more responsible future for infrastructure and the built environment, with a focus on four key areas: development of reuse and new construction materials (Structures), reimagining mobility (Transport), optimizing foundation and support systems (Geotechnics), and promoting the rational use of natural resources (Soil and Water).



Structures

Innovative construction materials; design, modeling, evaluation, and maintenance of new and existing structures with a focus on environmental responsibility

Geotechnics

Physical and numerical modeling of geomaterials and geotechnical structures, soil-structure interaction, probabilistic analysis, and natural hazards

Soil and Water

Urban hydraulics, waterways, water treatment solutions, soil protection and management, green infrastructure

Transport and mobility

Automated vehicles, digital twins, new and existing networks, mobility and safety



Laboratories

- Structures
- Geotechnics
- Environment
- Hydraulics



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Partners

Scientific

- Universities of Fribourg, Lausanne, Neuchâtel
- Swiss Federal Institutes of Technology (EPFL, ETH Zurich)
- Institut national des sciences appliquées (INSA)
- Politecnico di Milano
- Cracow University of Technology

Industrial / institutional

- Swiss Federal Offices (FOEN, FEDRO, SFOE, FOT)
- Municipal and city services (for example: Fribourg, Vaud)
- Swiss Federal Railways (SBB)
- Groupe E
- Building Insurance Agency of the Canton of Fribourg (ECAB)

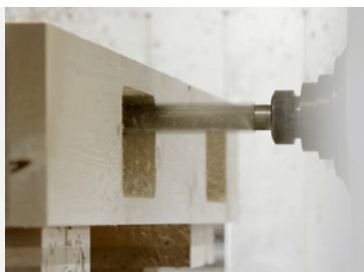


Case study

Charpentres Vial SA

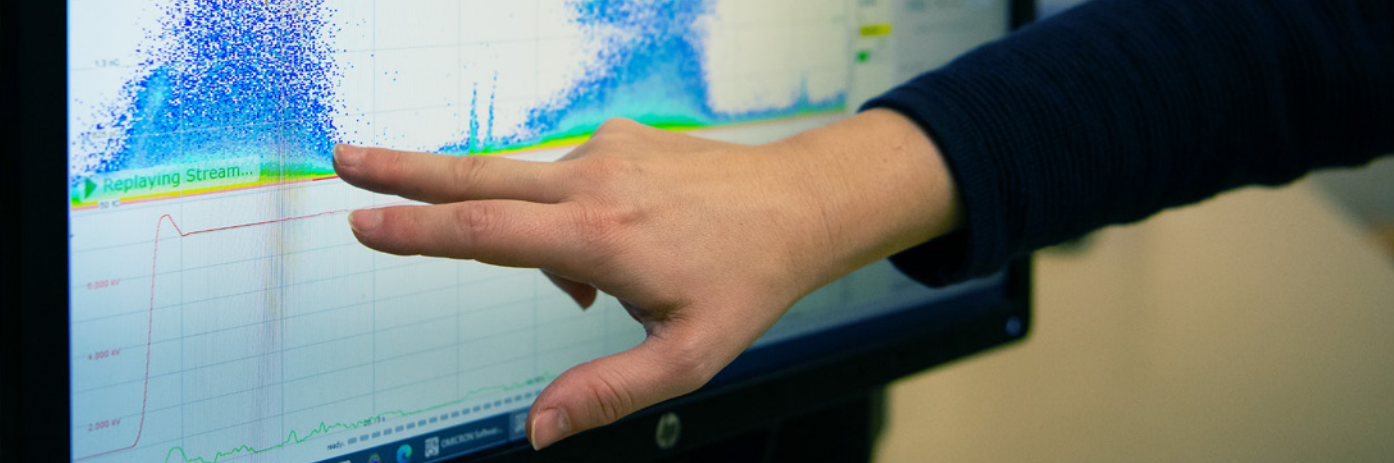
Timber-concrete composite floor system for buildings

go.hefr.ch/itec-play



To the institute
home page:
go.heia-fr.ch/en/itec





ENERGY

**Institute of Applied Research
in Energy Systems**

TOWARDS LEAN AND EFFICIENT ENERGY SYSTEMS

The ENERGY Institute drives the development of a sustainable society through optimized energy supply and management. Enabling adaptations to climate disruptions and the growth of renewable energies, its projects respond to a context of profound transformation.

Laboratories

- High-voltage
- Electrical machines
- Building performance monitoring
- Electrical networks
- Thermal and energy
- Thermal energy storage

Partners

Scientific

- Swiss Federal Institutes of Technology (EPFL, ETH Zurich)
- Swiss Federal Laboratories for Materials Science and Technology (Empa)
- Université Grenoble Alpes
- CERN

Industrial / institutional

- Groupe E
- Romande Energie
- Canton and City of Fribourg
- Swiss Federal Office of Energy (SFOE)

Electrical and thermal networks

Design, modeling, simulation, and testing of components and systems for networks; energy integration, management and optimization of networks

Performance and environmental impact of buildings and neighborhoods

Urban heat islands, life cycle analysis in the built environment, physics of buildings & technical installations



Patrick Wagner

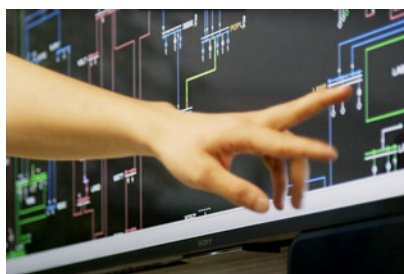
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To the institute
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Case study
Romande Energie SA
Fault location tool



go.hefr.ch/energy-play

Smart Living Lab

A RESEARCH AND DEVELOPMENT CENTER FOR THE FUTURE OF THE BUILT ENVIRONMENT

Smart Living Lab is a place where researchers and companies come together to implement interdisciplinary research projects using experimentation under real conditions. These projects focus on user wellbeing, energy efficiency and the digital transformation. The Smart Living Lab combines the expertise of the Swiss Federal Institute of Technology Lausanne (EPFL), the HEIA-FR and the University of Fribourg (UNIFR).

Interactions and design processes

Understand and structure dialogue between stakeholders in the building lifecycle to develop the tools to design, model and operate buildings

Wellbeing and behavior

Improve human health and comfort by optimizing indoor environmental quality and influencing behaviors in a positive way

Energy systems

Develop smart energy-efficient systems and technologies, improve their management, and anticipate legal and economic impacts

Construction technologies

Monitor resource efficiency and accelerate processes of change in construction



Smart Living Lab

Partners

Scientific

- Swiss Federal Institutes of Technology (EPFL, ETH Zurich)
- University of Fribourg
- University of Geneva
- Zurich University of Applied Sciences (ZHAW)

Industrial / institutional

- CSD Ingénieurs
- Groupe E
- JPF
- City and Canton of Fribourg
- Swiss Federal Offices (FOPH, SFOE)

Facilities

- PopUp Workshop
- Smart Living Lab building
- Thermal and energy laboratory
- Renewable energy integration laboratory



Jean-Philippe Bacher

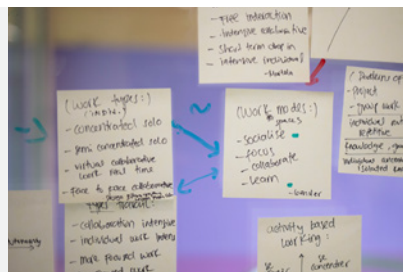
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Participating institutes

- **ENERGY**, p. 12
- **iTEC**, p. 11
- **TRANSFORM**, p. 10



To the
competence center
home page:
smartlivinglab.ch





Technology for Human Wellbeing Institute

BETWEEN HUMANS AND TECHNOLOGY

The HumanTech institute envisions a future where technology enhances human wellbeing, empowering individuals and communities through innovative, interdisciplinary research. We place humans at the core of technological advances and ensure that our technologies benefit all facets of human life.

Advanced interfaces and smart spaces

Human-computer interaction, companion technologies, immersive experience, conversational interfaces, empathic interaction

Human-centered Artificial Intelligence

Human analytics, explainable AI, machine learning, data analysis, sustainable human-AI collaboration

Innovation that makes a difference

Design thinking, user-centric design, user testing, usability tests, ergonomics

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Laboratories

- Design for Innovation : interdisciplinary research
- Usability



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Partners

Scientific

- Politecnico di Milano
- Escola Superior de Enfermagem de Lisboa
- Faculdade de Ciências da Universidade de Lisboa
- École supérieure des technologies industrielles avancées (ESTIA)

Industrial / institutional

- Federal Food Safety and Veterinary Office (FSVO)
- Federal Office of Public Health (FOPH)
- PMF-System
- Lausanne University Hospital (CHUV)
- Renault



To the institute
home page:

go.heia-fr.ch/en/humantech



Case study Intermobility

*Fleet management tool
for a free-floating
bicycle-sharing project*



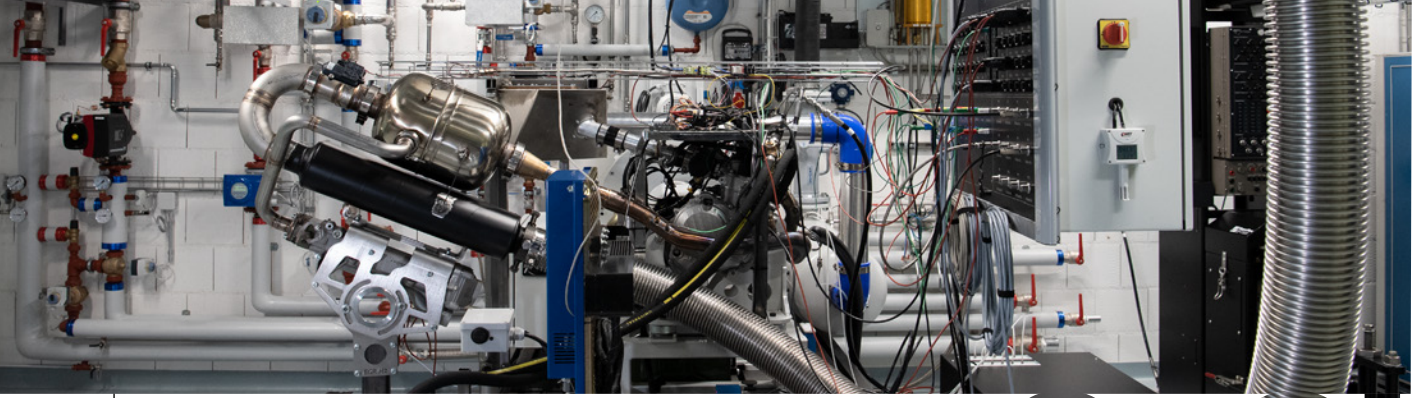
go.hefr.ch/humantech-play



**«Our ambition is to be
as efficient as possible
in transforming research
results into practical
applications»**

Patrick Favre-Perrod

Deputy Director, aR&D Director



Sustainable Engineering Systems Institute

FROM IDEAS TO INDUSTRY

The SeSi institute specializes in high added value mechanical components, as well as in mechanical systems developed using digital tools and designed to be smart and durable.

Systems

Development of design and manufacturing processes for products and systems suited to a resilient circular economy

Sustainability

Minimizing energy consumption and resource use in production and operation while maximizing value

Digitalization

Reducing development time and manufacturing costs through digital mock-ups (simulation, prototyping) and innovative work methodologies

R&D Focus

Interdisciplinary applied research in high-speed drones, sustainable propulsion, innovative ground transport, and key enabling technologies

Facilities

- Combustion engine and turbine test benches
- Dynamic test benches
- Electrohydraulic test bench
- Wind tunnel
- Smart Factory and robotization
- Drone prototyping workshop

Partners

Scientific

- Swiss Federal Institute of Technology Lausanne (EPFL)
- University of Fribourg
- University of L'Aquila
- Regional University Center of Androy (CURA)

Industrial / institutional

- Johnson Electric
- Liebherr Machines Bulle
- Fiat Powertrain Technologies
- Fribourg Public Transport (TPF)
- Sulzer
- Various companies in the drone sector
- Groupe JNJ



Joël Kuster

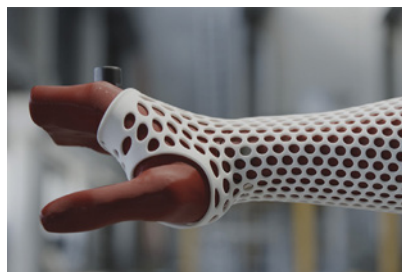
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To the institute
home page:
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Case study
Swibrace
*Development
of adaptive
orthopedic braces*



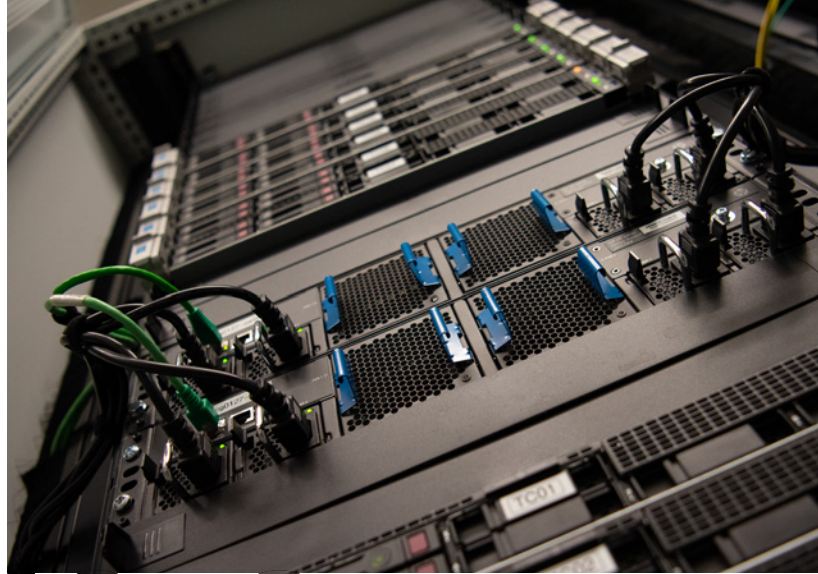
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Institute of Artificial Intelligence and Complex Systems

THE PARTNER OF CHOICE FOR INDUSTRIAL DIGITALIZATION

iCoSys leads and supports innovation based on artificial intelligence and complex systems. Our projects leverage the latest advances in informatics, data science, distributed computing, software engineering, and mathematical modeling.



iCoSys

Applied AI and machine learning

End-to-end support for companies that use AI technology, from data evaluation and model training to deployment

Distributed computing

Mastery of the latest technology in high-performance distributed computing, optimization of AI applications, big data and simulations

Sustainable ICT for Smart Living projects

Creation of a more sustainable environment thanks to ICT solutions for smart cities, smart buildings and smart living

ICT for industry 4.0

Enabling efficiency gains for industry through the use of data and advanced algorithms, including the use of artificial intelligence for anomaly detection, predictive maintenance and quality control

Facilities

- Computation cluster (GPU and CPU servers)
- Kubernetes cluster
- Object storage cluster

Partners

Scientific

- University of Fribourg
- Idiap Research Institute
- Edge Hill University
- Lawrence Berkeley National Laboratory

Industrial / institutional

- Swiss National Library
- Google Zurich
- Hieronymus
- Morphean
- Infoteam
- Neur.on
- Immomig

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Case study
Hieronymus

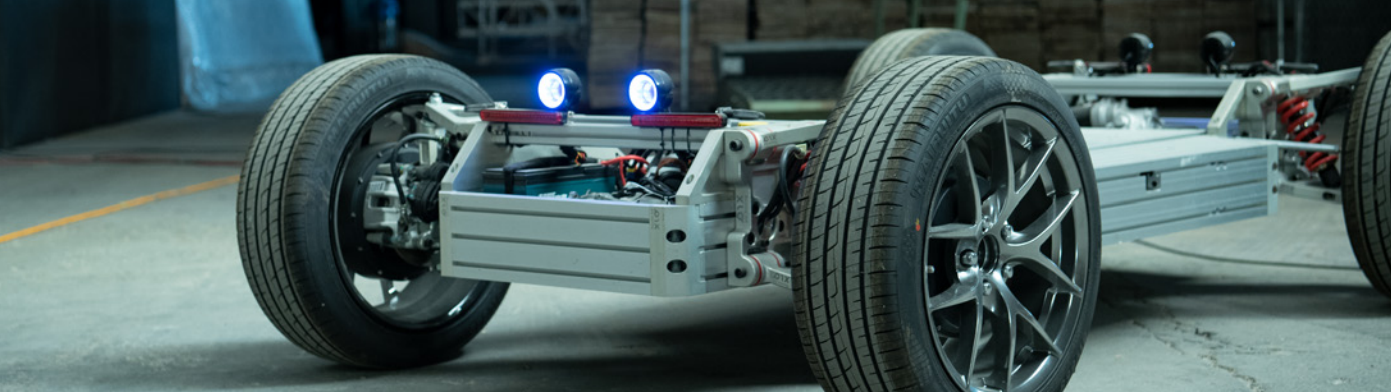
*Specialized translation engine
using neural networks*

go.hefr.ch/icosys-play



To the institute
home page:
go.heia-fr.ch/en/icosys





isis



Institute of Smart and Secured Systems

SECURITY AND RELIABILITY FOR THE BENEFIT OF SOCIETY

With proven expertise in intelligent system reliability, the iSIS institute offers unique services in functional safety and certification of complex systems for the automotive, aerospace, railway, and power generation industries.

Laboratories

- ROSAS
(Robust and Safe Systems)
- Data Center
- Automated Vehicles
- Cellular Networks
- HW Prototyping

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Automated mobility

Innovative and ergonomic interdisciplinary solutions (human-machine interaction) for automated transport and mobility in collaboration with SwissMoves

Security and reliability of systems

Efficient protection of critical infrastructure, OT and IT cybersecurity, and in-the-loop design with Model Based Engineering (MBE)

Embedded and interactive systems

Development of hardware and software for embedded, distributed and low-power systems; development of interactive systems for automated mobility, e-learning and e-commerce

Partners

Scientific

- DEFCON Switzerland
- Institute for Security and Open Methodologies (ISECOM)
- SwissMoves
- SWITCH Security Workgroup

Industrial / institutional

- Swisscom
- ABB/Hitachi
- Parker Meggitt
- Johnson Electric
- Swissdotnet



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Case study
Parker Meggitt
*Model Based
Engineering*

go.hefr.ch/isis-play



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home page:**
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Robust and Safe Systems

ENGINEERING AT THE HEART OF MOBILITY AND DIGITALIZATION

At the intersection of mechatronics, automation, and digital technologies, the ROSAS competence center designs and validates technologies that enhance the performance, safety, and sustainability of complex systems. From automated vehicles to industrial production, our teams support companies in the design, simulation, and implementation of innovative and reliable solutions.

ROSAS



Mobility and vehicles

Automation of vehicles; machines, infrastructure and communication, teleoperation, supervision, simulations; digital twins, infrastructure sensors, road safety, drones, digital transport tools

Industrial Digitalization

Mechatronics, robotics, industrial production, optimization, modeling, digital twin, lifecycle engineering, smart factories, model-based engineering (MBE), Internet of Things (IoT)

Facilities

- Modeling and Real-Time Simulation Lab
- Garage and automated vehicles/robots
- Teleoperation and Supervision Center

Partners

Industrial / institutional

- Public transport utilities (TPF, TPG, PostAuto)
- CertX
- Loxo
- Builttronics
- Ascenseurs Ménétreay
- ILC Dover
- Fair IT
- RUAG
- Engineering Firms
(Team+, RGR Ingénieurs Conseils)
- Swiss Automated Mobility Association (SAAM)
- Federal Offices (FOSD, FEDRO, FOT)
- Cantonal and municipal authorities



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To the competence center
home page:
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Participating Institutes

- iCoSys, p. 17
- iSIS, p. 18
- iTEC, p. 11
- SeSi, p. 16



iRAP

Institute for Applied Plastics Research

FROM MATERIALS TO POLYMER APPLICATIONS

The iRAP institute tackles scientific and technical challenges in plastics processing and provides concrete, efficient solutions tailored to industrial needs. Its expertise spans the entire value chain, from material development to application, while systematically integrating product life-cycle considerations.

Laboratories

- Plastic and ceramic injection (CIM)
- Compounding, extrusion and material characterization
- Surface technologies and nanotechnologies
- Composites and lightweight structures

Partners

Scientific

- University of Fribourg
- University of Applied Sciences of Eastern Switzerland (OST)
- Plastics Training and Technology Center Aarau (KATZ)

Industrial / institutional

- Johnson Electric
- Dentsply Sirona
- Bcomp
- Colorplastic

Composites, design of lightweight structures, and recycling technologies

Design and development of lightweight structures, industrialization and recycling of continuous fiber composites, digital simulation, prototyping

Compounding and extrusion processes, material characterization

Development of high-value compounds, piloting and scaling up of extrusion and compounding processes, materials characterization and testing

Surface technologies and nanotechnologies

Atmospheric plasma surface functionalization, nanomechanical and surface analysis, tribology, coatings and texturing

Plastic and ceramic injection molding (CIM)

Design of products/molds, rheological/mechanical simulations, additive manufacturing of molds, process optimization, thermal management.



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Case study
Johnson Electric
*Design of
magnetized rotors*



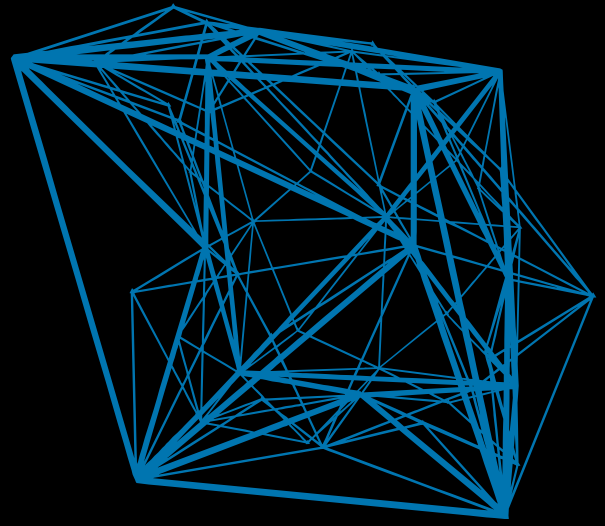
go.hefr.ch/irap-play

Institute and Competence Center

SHAPING THE FUTURE OF PRINTING TECHNOLOGIES

iPrint drives research, development, and innovation in inkjet and digital printing, in close partnership with industry and academic institutions. Its high-level continuing education programs and collaborative projects actively foster technological excellence in the printing ecosystem. The research institute and the competence center operate as a single entity dedicated to advanced printing technologies.

iPrint



Innovative technologies for digital printing

Development of digital technologies with the potential to revolutionize production systems

Digital printing process developments

Creation and optimization of digital inkjet processes for graphic, biomedical, and electronics printing as well as advanced fabrication

Technology transfer and education

Promotion of technology transfer for digital printing processes, education of specialists in inkjet related core competencies with a highly interdisciplinary understanding

21

Facilities

- Modular inkjet printers
- Industrial inkjet printheads
- Drop watching platforms
- Pre- and post-processing units
- Characterization laboratory for inks and substrates



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Partners

Scientific

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- Adolphe Merkle Institute
- University of Cambridge
- Université Grenoble Alpes
- Swiss Federal Laboratories for Materials Science and Technology (Empa)

Industrial / institutional

- Polytype
- Epson
- Markem-Imaje
- Ursula Wirz Stiftung

In-house collaborations

- **iRAP**, p. 20
- **iSIS**, p. 18
- **ROSAS**, p. 19

To iPrint
home page :
iprint.center



CONTINUING EDUCATION AS A WAY OF LIFE

Whether required by professional demands or pursued for personal enrichment, continuing education forms an integral part of active professional life. The HEIA-FR, along with its institutes and competence centers, offers diverse continuing education formats.

Teams from multiple institutes and competence centers deliver professional training courses and develop customized programs on specific topics at the request of companies.



Would you like more information?

formation.continue-heia@hefr.ch

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Inkjet Training Center

The hands-on courses at iPrint's renowned Inkjet Training Center combine fundamentals with intensive lab practice on state-of-the-art industrial equipment, enabling participants to turn new knowledge into directly applicable inkjet solutions for their R&D and production activities.

continuing education



Programs offered by aR&D

Non-exhaustive list

Information and Communication Technologies (ICT)

	existing	tutor-made	teaching language
Digital Society & Health; Interaction Science and Technology		•	E / F / I
Data Science; Machine Learning; Software Engineering; Agile Team Structures		•	F / D / E
EBAS : E-banking but Secure! (in collaboration with the Hochschule Luzern)	•		F / D
Fribourg Linux Seminar	•		F / D / E
Fribourg Cybersecurity Seminar	•		F / D / E
Google Developer Group Fribourg (practical workshops)	•		F / D / E
Cybersecurity Course for Municipalities and SMEs		•	F / D / E

Industrial Technologies

Security and Ecology; Storage and Transport of Hazardous Materials; Measurement Techniques; Stereochemistry; Reaction Mechanisms; Pipes and Metal Frameworks; Practical Training for Operators		•	F / E
Foundation Course: the Inkjet Training	•		E
Masterclass on Waveform Development	•		E
Masterclass on Inkjet Rheology	•		E
Plastic Injection Molding Defects (FSRM course)	•		F
Basics of Plastic Injection Molding (FSRM course)	•		F
Design and Dimensioning of Plastic Pieces (FSRM course)	•		F
Ceramic Injection Moulding : maîtrise du process	•		F
Cours de matériaux dispensé aux spécialistes cantonaux de la police scientifique		•	F / D
Fundamentals in Upstream Processing Training Course	•		E
Fundamentals in Downstream Processing Training Course	•		E
Cours de wearable payment technologies basé sur du NFC	•		F / E

Construction and the environnement

Short course: Uncertainty Quantification, Reliability and Sensitivity Analyses applied to Geotechnics and Structures	•		E
Symposium: Numerics in Geotechnics and Structures	•		E
Pipeline Hydraulics	•		F / D
BFUP - High Performance Fiber Reinforced Concrete – Study Day	•		F / D

Need a tailor-made course?

Our institutes and competence centers are available to organize custom training on request. Please contact the unit that covers your specific field of expertise.

Certification courses
Discover our CAS, DAS & MAS





Research Services

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SUPPORTING YOUR PROJECTS FROM START TO FINISH

HEIA-FR's Research Services support researchers at every stage of their projects, starting with initial contacts to identify potential partners, followed by comprehensive contract management, intellectual property protection, and effective knowledge transfer strategies to industry and stakeholders.

Our multidisciplinary expert team delivers the ideal blend of administrative efficiency, legal expertise, communication prowess, and advanced project management capabilities to navigate all procedures and bring ambitious research initiatives to successful fruition. This holistic approach minimizes administrative burdens, maximizes collaboration opportunities, and accelerates the translation of innovative ideas into real-world applications.



Patrick Favre-Perrod
Deputy Director, aR&D Director

A Key Advantage: Platforms and Networks

As a member of the University of Applied Sciences and Arts Western Switzerland (HES-SO), HEIA-FR actively collaborates on joint projects with other institutions across the network.

It also operates INNOSQUARE, a dedicated service promoting company-university partnerships and providing expert project management for research and innovation initiatives.

Finally, HEIA-FR's Research Services is a founding member of TechTransfert Fribourg, uniting HEIA-FR, the University of Fribourg, Fribourg School of Management, and the Adolphe Merkle Institute.

A COLLABORATION MODEL FOR EVERY NEED

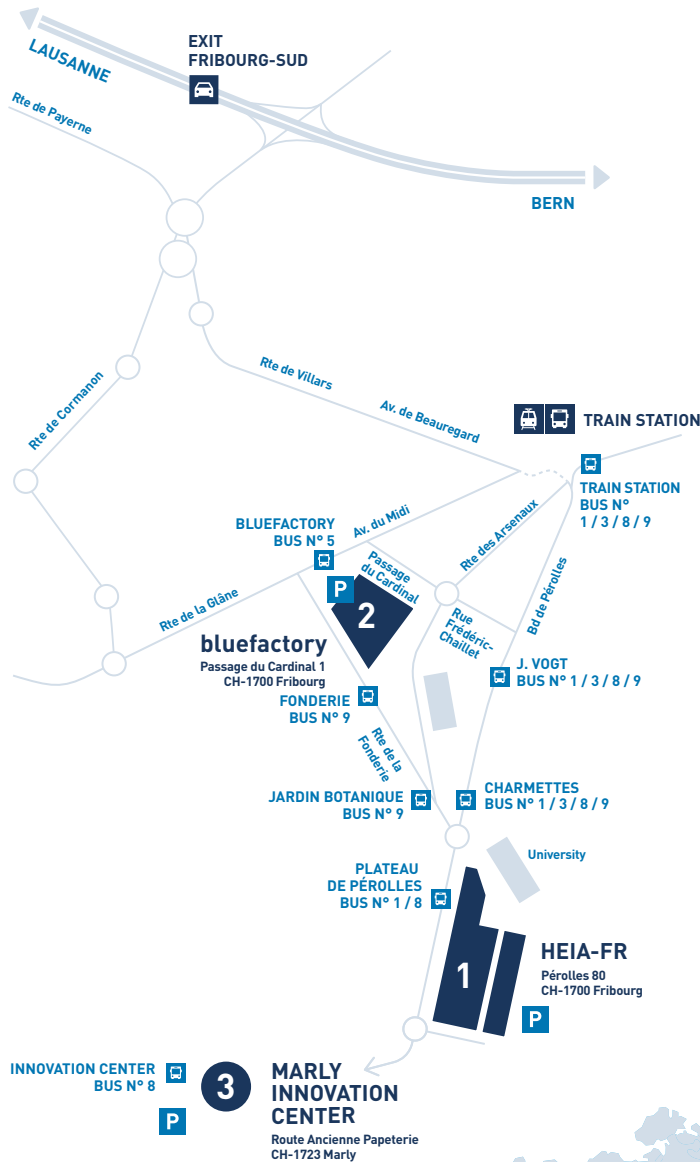
Research collaborations adapt to diverse partner objectives, with project duration and commitment levels varying by chosen model. HEIA-FR offers tailored partnerships for economic and institutional actors, from short-term services to long-term R&D initiatives.

Additionally, our training courses, certification programs, and specialized services (pages 22-23) remain open to all public and private stakeholders.

Objective	HEIA-FR's aR&D offer	Partner Commitment	Duration
Solve a technical problem, test an idea	Student project Bachelor's/Master's thesis	Accompanying the student Covering costs incurred by HEIA-FR researchers	3-5 months depending on project type (semester, Bachelor or Master)
Solve a complex technical problem, assessment/analysis	Research mandate tailored to your needs	Define and monitor the project Covering costs incurred by HEIA-FR researchers	Variable
Carry out a feasibility study for an innovative idea	Project funded by Innosuisse (max CHF 15,000)	Ensuring follow-up	2-4 months
Develop processes, services, technologies	Project funded by Innosuisse	Covering 40-60% of project costs, including 5% in cash and the rest as services	From a few months to 2-3 years
Take up a technological challenge or create new value chains through multi-company collaboration.	NRP project by Canton of Fribourg	Contribute to the funding of the project through own resources and cash contributions (generally at least 20%), in line with the program or the applicable call for proposals.	From a few months to 2 years
Conduct international-scale collaboration	International project (Horizon Europe, Interreg or Eurostars)	Actively participating in the project Covering a part of the costs or services Collaborating with the partners	From one to several years

LOCATION

The HEIA-FR is located on the Plateau de Pérolles campus in Fribourg with aR&D activities also taking place in the bluefactory innovation district and at the Marly Innovation Center (MIC).



1 HEIA-FR

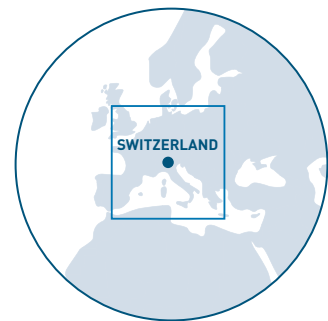
ChemTech
ENERGY
HumanTech
iCoSys
iSIS
iTEC
SeSi

2 bluefactory

BCC (Halle bleue)
ENERGY (Halle bleue)
iRAP (Halle 1)
iSIS (Halle bleue)
ROSAS (Halle bleue)
Smart Living Lab (Halle bleue)
TRANSFORM (Halle bleue)

3 MIC

iPrint



MARLY INNOVATION CENTER
Route Ancienne Papeterie
CH-1723 Marly

3

INNOVATION CENTER
BUS N° 8



PLATEAU DE PÉROLLES
BUS N° 1 / 8

JARDIN BOTANIQUE
BUS N° 9

FONDERIE
BUS N° 9

bluefactory
Passage du Cardinal 1
CH-1700 Fribourg

2

TRAIN STATION
BUS N° 1 / 3 / 8 / 9

1

EXIT FRIBOURG-SUD

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HAUTE ÉCOLE D'INGÉNIEURIE ET D'ARCHITECTURE FRIBOURG
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