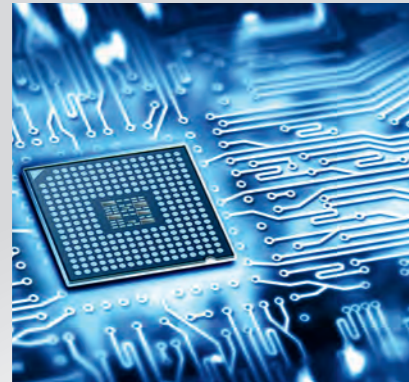


## INNOVATION EXPERTISE YOU WILL FIND AT THE SWITZERLAND INNOVATION PARKS



### HEALTH AND LIFE SCIENCES

Drug discovery and design, precision/personalized medicine, medtech, biotech, diagnostics, biomedical engineering, nutrition, human physiology



### COMPUTER AND COMPUTATIONAL SCIENCE

Data security (for example blockchain), data analytics, artificial intelligence, storage technologies, the Internet of Things (IoT), smart sensors, cloud computing, bioinformatics



### ENERGY, NATURAL RESOURCES AND ENVIRONMENT

Energy storage, smart grids, power generation, smart building/living, energy/resource efficiency, green chemistry, alternative energy sources



### MOBILITY AND TRANSPORTATION

Aviation and space, autonomous driving, avionics and drones, electric mobility and batteries, traffic planning and transport systems, mobility infrastructure



### MANUFACTURING AND MATERIALS

Robotics, automation, industry 4.0, advanced manufacturing, accelerator technology, nondestructive testing, new materials, nanotechnology, microelectronics

## HIGHLIGHTS OF CUTTING-EDGE INNOVATION FROM SWITZERLAND



### SOLAR IMPULSE AND ATLANTIKSOLAR

At least two Swiss teams hold solar world records: Solar Impulse and AtlantikSolar. In 2016, Solar Impulse completed the first ever around-the-world flight in a purely solar-powered airplane. EPFL and Empa were key partners. AtlantikSolar, developed at ETH Zurich, holds the world record for the longest fully solar-powered flight ever (81 hours) of an unmanned aerial vehicle (UAV).



### PROTON THERAPY

This breakthrough technology for deep-seated tumor irradiation has become one of the leading forms of tumor and cancer treatment around the world. With proton therapy, tumor tissues are destroyed using protons. This enables malignant tumors to be irradiated with extremely high precision, thereby preventing their growth while sparing healthy tissue surrounding the target. It is particularly important in the treatment of ocular melanomas, brain, skull-base or spinal cord tumors, or sarcomas. The widely-used spot-scanning technique for proton therapy was developed at the Paul Scherrer Institute (PSI) in Switzerland.



### CYBATHLON

In 2016, the first ever Olympic-style competition for disabled people using robotics-based assistive technologies took place in Zurich: Cybathlon. Teams from around the world participated in this world first organized by ETH Zurich, which made the unthinkable possible for disabled people. EPFL's Brain Tweakers triumphed in the Brain-Computer-Interface race, while ETH's Scewo team participated with an electric stair-climbing wheelchair.

### YOUR CONTACTS AT SWITZERLAND INNOVATION

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# INNOVATION IN SWITZERLAND

RESEARCH EXCELLENCE AT YOUR FINGERTIPS



switzerland-innovation.com



# YOUR LOCATION FOR R&D

Switzerland Innovation, the Swiss innovation park, provides a platform for your R&D team to network with leading thinkers from the world of academia, industry partners and pioneering start-ups.

Switzerland Innovation gives you access to the expertise of world-leading universities, among them the prestigious Swiss federal institutes of technology ETH Zurich and EPFL.

As a resident company, you will benefit from technology transfer platforms, state-of-the-art infrastructure and a unique atmosphere, which foster the creation of your next best-selling products and services.

## YOUR RESEARCH PARTNERS

**ETH zürich**

**EPFL**  
ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

PAUL SCHERRER INSTITUT  
**PSI**

**Empa**  
Materials Science and Technology

Universität Basel

**u<sup>b</sup>**  
UNIVERSITÉ DE BOURGOGNE FRANCHE-COMTE

**UNI FR**  
UNIVERSITÉ DE FRIBOURG  
UNIVERSITÄT FREIBURG

UNIVERSITÉ DE GENÈVE

**Unil**  
UNIL | Université de Lausanne

**unine**  
UNIVERSITÉ DE NEUCHÂTEL

Universität Zürich<sup>UM</sup>

**csem**

# YOUR INNOVATION CENTER

## WHAT ARE YOUR BENEFITS AS A TECHNOLOGY-DRIVEN COMPANY SENDING YOUR R&D TEAM TO SWITZERLAND?



## EXCELLENT GENERAL CONDITIONS



# YOUR NEIGHBORHOOD

## WHY DO SO MANY LEADING HIGH-TECH COMPANIES CHOOSE SWITZERLAND AS THEIR RESEARCH LOCATION?



“Quality in terms of training, research and innovation is a key factor behind the success of our investments in Switzerland – alongside local partnerships with players from academia, business, politics and society in the field of digital education and beyond. It provides a solid foundation that has seen Google Switzerland become the company’s largest R&D site outside the USA.”

Patrick Warnking, Country Director Google Switzerland



“Switzerland has a strong commitment to intellectual property and a great research environment with excellent universities.”

Dr. Matthias Leuenberger, Delegate Novartis Switzerland



“At the innovation park, through our cooperation with academia, we have easy access to people, expertise, knowledge and state-of-the-art research. We are in close proximity to exciting start-ups and technology companies and are able to attract excellent graduate students and researchers.”

Eric Rolland, PhD, Head of Nestlé Institute of Health Science

## SOME OF THE COMPANIES THAT HAVE THEIR R&D CENTERS IN SWITZERLAND

