Zug: deep tech cluster

In recent years, the deep tech sector attracts a great deal of attention. Impacting all industries, deep tech companies and start-ups are creating disruptive solutions based on new technologies such as artificial intelligence, machine learning, robotics, drones, sensor technology, advanced materials, and blockchain. Companies in the Canton of Zug benefit from a fast-growing technology cluster, a highly innovative and dynamic business environment, a broad industry-mix and access to highly qualified workforce.

«Dotphoton, located in Zug, is a deep tech start-up specialized in image compression for professional applications and AI. Zug's industrial variety and proximity to investors and tech talents help us to shape efficiently the future of professional imagery. City in nature, Zug helps to support healthy work-life balance of Dotphoton's employees even in a dynamic start-up environment. We are happy to call Zug our new home.»
Eugenia Balysheva,
CEO, Dotphoton

Deep tech in Switzerland

The deep tech sector in Switzerland is on the rise. Ongoing investment in research and development of new and disruptive technologies leads to an above-average capacity for innovation. Switzerland is a leading country in Europe for investments in deep tech. When considering investing in deep tech, priority lies on access to talent. In this respect, Switzerland is considered one of the most attractive countries with one of the strongest talent pool for deep tech start-ups.

Deep tech in the greater Zurich area

The Canton of Zug is a part of the greater Zurich area which is ranked among the world's top regions in terms of innovative strength, research and availability of highly qualified talent. The high density of universities including the Swiss Federal Institute of Technology Zurich (ETH Zurich) with its recently opened AI Center ensures access to a high number of qualified tech experts. The greater Zurich area is one of the world-leading locations for artificial intelligence, machine learning, robotics, drones, sensor technology, advanced materials, and blockchain.

Deep tech in the Canton of Zug

Many notable SMEs and start-ups in the field of new and deep technologies are settled in the Canton of Zug. The City of Zug is one of the fastest growing technology hubs in Europe. Research and network institutions in the Canton of Zug such as the School of Computer Science and Information Technology (HSLU), the Switzerland Innovation Park Central or the Technology Forum Zug foster an ideal environment for innovative and technology-driven companies. With numerous renowned firms in the information technology, high-tech, fintech, and medtech cluster, and embedded among technology-oriented institutions, Zug offers access to a vast talent pool. Zug, as the heart of Crypto Valley, is the hotspot for companies and experts in blockchain technology. In addition, local initiatives such as the Smart City Strategy of the City of Zug or the Tech Cluster Zug with its mobility hub help to create a future-oriented technology ecosystem.

Kanton Zug

«Sedimentum AG, a healthcare and tech start-up that has developed a contactless and intelligent fall detector and fall prevention solution, has been in Zug since the beginning. Zug offers an attractive working environment. In addition to the great geographical location, Zug provides start-up-friendly conditions, availability of highly qualified talents, an excellent infrastructure, and has an international network. This is an ideal location for fast growing start-ups that seek to expand internationally.»
Eugenie Nicoud, Co-Founder & COO, Sedimentum AG

Contacts & platforms

School of Computer Science and Information Technology (University of Applied Sciences and Arts)
The School of Computer Science and Information Technology offers degree programs, applied research and development, and continuing education programs in computer science, information technology and business information technology in Rotkreuz-Zug. The first bachelor program in artificial intelligence (AI) and machine learning in Switzerland, responds to the growing demand for specialists in artificial intelligence and robotics.
– www.hslu.ch/lucerne-school-of-information-technology

Switzerland Innovation Park Central
The Switzerland Innovation Park Central fosters collaboration and innovation. By networking companies, universities, institutions, start-ups and students, the Innovation Park creates a dynamic open innovation ecosystem.
– www.building-excellence.ch

Technology Forum Zug (tfz)
Technology Forum Zug provides an attractive platform for innovative and technology-oriented companies by cross-linking industry sectors and experts from various fields of competence. tfz pools expertise and supports established companies and start-ups.
– www.technologieforumzug.ch

Mindfire Foundation
The Mindfire Foundation in Zug pursues the goal of developing human-level artificial intelligence to empower humans. Mindfire builds on Switzerland's proven track record as a hub for ground-breaking science, technology, and philanthropy.
– www.mindfire.global

Centre Suisse d'Electronique et de Microtechnique CSEM
CSEM's mission is to develop and transfer world-class micro technologies to the industrial sector. CSEM strives to be the cornerstone of innovation and technology transfer in digital deep tech.
– www.csem.ch/home

Blockchain / Crypto Valley
Zug is the heart of the so-called Crypto Valley, a vibrant ecosystem for blockchain and cryptographic technologies. About half of the 900 blockchain companies in Switzerland are located in the Canton of Zug. Known associations such as CVA and the Bitcoin associations or CV VC's incubation program are based in Zug.
– www.cryptovalley.swiss
– www.cvvc.com
– www.bitcoinassociation.ch
– www.bitcoinassociation.net

Swiss Federal Institute of Technology Zurich (ETH Zurich)
The ETH Zurich is among the world's leading universities focusing exclusively on science, technology, engineering and mathematics.

With the new ETH AI Center, ETH is creating a research center for artificial intelligence (AI). This becomes an incubator for young companies, where they maintain a strong cooperation with the economy.
– www.ai.ethz.ch

Swiss Federal Laboratories for Materials Science and Technology (Empa)
As an interdisciplinary research institute of the ETH Domain, Empa conducts cutting-edge materials and technology research, generating interdisciplinary solutions to major challenges faced by industry.
– www.empa.ch

Our services address you directly as an entrepreneur. We are your partner, and we promote the Canton of Zug as a business location.

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