Zug: ICT cluster

The ICT sector is fast evolving and represents an important component of Zug's industry. The ongoing digitalization increases the need for specialists in fields such as big data, cyber security, cloud computing, data management, software and platform development, e-commerce, Internet of Things, gaming, virtual reality, artificial intelligence, smart system integration or blockchain. The ICT sector in Zug benefits from the presence of Zug's booming cluster of large national and international companies.

School of Computer Science and Information Technology, Rotkreuz-Zug.

«Zug's high concentration of ICT businesses gives it the potential to be one of the world's leading digital innovation hubs. The fast-growing tech cluster, access to highly qualified digital talents and dynamic business environment supported by authorities of Canton of Zug were key motivators in Luxoft's decision to establish operations in Zug. We believe the future of fintech innovation is ready to be created here.»

Elena Goryunova, Chief Human Resources Officer, Luxoft

ICT in Switzerland

Switzerland is one of the top 10 exporters of ICT services. The ICT sector is the 8th biggest sector of the Swiss economy contributing CHF 30.4 billion to the gross value added. The ICT professional field is currently the 7th largest professional field in Switzerland with the number of employees increasing at an above average rate.

ICT in the Greater Zurich Area (GZA)

Zug is part of the Greater Zurich Area, which is considered Switzerland's innovation hub and where Google and Disney Research have their most important research centers in Europe. The Greater Zurich Area offers a unique network of innovative ICT companies and globally leading academic institutions such as the Computer Science Department or the AI Center of the Swiss Federal Institute of Technology (ETH).

ICT in the Canton of Zug

The Canton of Zug, home of many large national and international companies, is well supplied with ICT firms and specialists. Over 8,900 employees are employed in more than 1,400 companies, which represents around 10% of total workforce. Alongside these ICT firms, many companies have a high number of jobs with IT profiles across all business functions (e.g. Roche Diagnostics with a third of all jobs). This supports the availability of highly qualified specialists.

Blockchain in Zug

Initiated in the Canton of Zug, Crypto Valley has established a worldwide reputation as a catalyst for new blockchain business ventures, with early movers such as Ethereum and Bitcoin Suisse paving the way. The Crypto Valley, which covers both Switzerland and Liechtenstein, is the home to over 1,100 blockchain companies with over 6,000 employees in Switzerland. Zug is the heart of Crypto Valley with almost half of the companies settled in Zug.

Selection of IT- and IT-related companies

Kanton Zug

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«Expersoft's PM1 provides banks and asset managers with a market-proven standard solution for wealth and asset management. The company headquarters have been located in Zug for more than 20 years, an ideal location given the availability of IT and banking specialists plus the quality office space needed to support Expersoft's growth. An excellent and attractive location for highly qualified talent.»

Urs-Peter Oehen, President, Expersoft Systems AG

Facts & Figures:
ICT in the Canton of Zug
– over 1,400 companies
– around 8,900 employees, i.e. 10% of total workforce

Contacts & platforms

School of Computer Science and Information Technology (University of Applied Sciences and Arts) in Rotkreuz-Zug
The school offers bachelor's and master's degree programs, applied research and development, and continuing education programs in computer science and information technology.
 – www.hslu.ch/en/lucerne-school -of-information-technology

National Test Institute for Cyber Security NTC
With the planned business set-up of the National Test Institute for Cyber Security NTC in Zug, the Canton of Zug is to become a leading location in cyber security throughout Switzerland. On behalf of companies and the public sector, the institute shall check components for their cyber security. The test institute should have a national focus and an international reach. The opening of the National Test Institute for Cybersecurity is planned in 2022.
 – www.ntc.swiss

DEC Institute
The DEC established an internationally recognized digital certification platform for blockchain and digital asset platforms, collaborates with universities and funds researches in the blockchain ecosystem.
 – www.decinstitute.org

Swiss School of Technology and IT
The IBZ Schools for Technology, Computer Science and Business offer a broad spectrum of basic training, degree courses and continuing education for full- and part-time students.
 – www.ibz.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

Blockchain / Crypto Valley
With over 500 blockchain companies, the Canton of Zug is the heart of the so-called Crypto Valley, a vibrant ecosystem for blockchain and cryptographic technologies. Known associations such as CVA and Bitcoin Association or CV VC's incubation program are based in Zug.
 – www.cryptovalley.swiss
 – www.cvvc.com
 – www.bitcoinassociation.ch
 – www.bitcoinassociation.net

digitalswitzerland
digitalswitzerland is a Switzerland-wide, cross-sector initiative that aims to strengthen and anchor Switzerland as a leading global location for digital innovation.
 – www.digitalswitzerland.com

swissICT
swissICT is the ambassador of ICT activity in Switzerland, the largest professional association in the sector, and connects more than 2,500 ICT providers with user firms and specialists.
 – www.swissict.ch

Innosuisse – Swiss Innovation Agency
As the Swiss Innovation Promotion Agency, Innosuisse lends support to R&D projects, to entrepreneurship as well as to the development of start-up companies.
 – www.innosuisse.ch/inno/en/ home.html

University of Zurich (UZH) Blockchain Center
The UZH Blockchain Center started its activities in 2017. It offers various academic, educational, and industry-related activities. It became the largest academic cluster in Switzerland as well as a worldwide blockchain hub. In the Coin-Desk University Ranking 2021 it is on 4th place worldwide and best in Europe.
 – www.blockchain.uzh.ch/

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