

## Huawei in Switzerland

Huawei established its Swiss headquarters in Liebefeld (Bern) in October 2008. In 2012, after four years of continuous growth, Huawei Technologies Switzerland AG opened an office in Dübendorf (Zurich) and one in Lausanne.

Huawei is committed to Switzerland and will keep investing in the next years to continue providing high quality products and services to its customers.

Huawei's staff force has increased during the last years: from 5 employees, today Huawei Switzerland counts around 350 employees from over 30 nationalities. The company is proud of its multicultural staff force and is willing to attract the best local experts to join the company in Switzerland. Over the last years, on average 82% of the total staff have been recruited locally.

Huawei provides services and solutions to the main Swiss telecom operators and service providers, to the enterprises as well as to the end-consumers. As a local company, Huawei has built long-term cooperation with local partners, which proved successful for the business.

Huawei has received an excellent response from the market and aims to expand its investment in Switzerland in the coming years, with a special focus on the enterprise and consumer market. These two markets will be a further engine for Huawei's growth in the country.

### Main milestones

### Year 2008

- Huawei Technologies Switzerland AG establishes itself in Bern
- Huawei is selected to be the provider for Swisscom IP Transmission network Project Sonate (Swisscom Optical Network for All IP and Transport sErvice)

#### Year 2009

- Huawei starts the rollout of Swisscom FTTH (Fiber to the Home) network (until mid 2013)
- Huawei is awarded the first project with Sunrise for a messaging platform

#### Year 2010

Huawei wins the Sunrise nationwide WDM (backbone transmission network) new vendor project

#### Year 2011

- Huawei is selected for Mobile Backhaul project by Sunrise
- Huawei is awarded the CGNAT project from Swisscom



#### Year 2012

- Huawei is selected as sole vendor for the Sunrise project, a very comprehensive project that includes Managed Services, Network Evolution (fixed and mobile) and MSR equipment replacement. Sunrise and Huawei work together on the network programme that gives customers the assurance that the mobile network and fixed network will be expanded, operated, and maintained according to the highest quality standards
- In August, Huawei launches the first Huawei-branded smartphone, the Ascend P1 in the Swiss market
- Huawei Technologies Switzerland AG opens 2 new offices in Zurich and Lausanne

#### Year 2013

- Huawei is selected as vendor for the Swisscom WAS project. Huawei provides the technology and equipments to build FTTS (Fibre to the Street) to increase the bandwidth on copper, by getting closer to the houses
- With the comprehensive support of Huawei in improving the quality of Sunrise mobile network, Sunrise gets back to the second position in the Connect Test, with an overall score of "good". Huawei extends the partnership with Sunrise which includes mobile sites expansion and fixed network modernization to 2017
- In June the Ascend P6, the world's slimmest smartphone, is launched in Switzerland

#### Year 2014

- Swisscom announces that it extends the cooperation with Huawei in the WAS project for the development of G.fast
- Thank to the joint efforts of Huawei and Sunrise, the latter achieves a "very good" result in the Connect Test, with the best voice quality among all operators in Germany, Austria and Switzerland
- Ofac (Cooperative of Swiss Community Pharmacists) selects Huawei for its storage system.
  Huawei solution combines SSD and SAS technologies which allows enhanced speed and improved performance
- Huawei successfully launches the P7 in Switzerland in June, available on the open-market
- The Mate7 is launched at the IFA and is available in Switzerland in October

#### Year 2015

- Swisscom starts testing the new fixed-line transmission standard G.fast under real-time conditions and to connect some customers. G.fast will be tailored to the Swisscom network in collaboration with Huawei
- Titlis Bergbahnen selects Huawei for its WLAN solution because of its simple configuration and efficient operation



- Huawei P8 encounters a great success after its launch in London in May
- Huawei Mate S and Huawei Watch are launched in September in Berlin and Paris

### Year 2016

- CSS Insurance chooses the Huawei's FusionServer technology for its infrastructure of servers x86
- Schindler and Huawei sign a global frame agreement on Internet of Elevators & Escalators (IoEE) to cooperate in the future on the development of smart Internet-of-Things (IoT) components for a seamless connectivity of elevators and escalators
- Swisscom and Huawei sign a strategic partnership in B2B: Swisscom adds Huawei products and solutions to its portfolio for business customers
- Sunrise extends its successful partnership with Huawei for another four years, including Managed Services for the IT Operations
- Swisscom is the first European telecommunications service provider to launch G.fast, with the specific solutions for the Swiss market developed by Huawei
- Acdalis selects Huawei for the deployment of cloud solutions in its Zug data centre
- Sunrise is the winner of the Connect Test 2016 with the grade "outstanding" that was awarded for the first time by Connect Magazine
- Huawei launches several smartphones on the Swiss market: P9, Nova Serie, Mate 9



# **Corporate Social Responsibility**

### **Social Contributions**

- August 2010: Huawei Switzerland helps Köniz community with a donation of a climbing rock aimed at building more facilities in Liebefeld Park.
- September 2011: Huawei Switzerland sponsors the <u>creaTiV! project</u> initiated by the Zentrum Paul Klee in Bern until December 2014.
- February 2014: Huawei sets up an undergraduate student programme, under the name of "Global ICT Program", renamed "Swiss Seeds for the Future" in 2015. Selected students from seven Swiss Universities of Applied Sciences of different language regions are given a 2 weeks training opportunity in Huawei headquarters in Shenzhen and R&D centre in Shanghai. The programme is carried out every year.
- July/August 2015: Huawei makes a donation in order to enable the community of Dübendorf to set up the Summer Kids Camp 2015, where kids can do sports and recreational activities during the summer holidays, under professional care.

Huawei sponsors the event yearly.

- September 2015: Huawei Switzerland sponsors the 6<sup>th</sup> edition of KiBuK book festival in Köniz. It's the only event of this kind in Switzerland and wants to give kids, young people and families desire to tell stories, to read and to get to know literature. In order to get kids to know some Chinese culture, a workshop has been set up to bring Chinese characters in an entertaining way.
- June 2016: Huawei Switzerland sponsors the Könizer Wirtschaftsapero where more than 100 people, including the mayor of Köniz and the representatives of the economy, participated.

### **The Environment & Energy**

- ISO 27001 certification
  Information Security (IS)
- ISO 14001 certification

Environmental protection, waste management and energy efficiency program

- ISO 9001 certification
  Quality management processes
- OHSAS 18001

Occupation Health and Safety Assessment Series for health and safety management systems.

Full member of the Swico Association for Recycling, Health and Safety



## Huawei in Europe

Since Huawei established its operations in Europe in 2000, it has been focusing on customer-centric innovation, strong partnership and building a close cooperation with nearly all main carriers in Europe.

In 2015 the sales revenue was 7.7 billion USD, a YOY increase of 17%; the procurement amount 4 billion USD, a YOY increase of 8%.

In 2015, Huawei ranks 4<sup>th</sup> on the European Patent Office's ranking of companies by quantity of applications.

By the end of 2015, Huawei has about 10,000 employees in Europe, 1,570 of them are in R&D, across the 18 R&D sites throughout 8 countries:

- Belgium
  - Gent (Silicon Photonics Technology)
  - Leuven (RFIC)
  - Louvaine-la-Neuve (Application Software Architecture)
- Finland
  - Helsinki (Terminal Terminal OS, European Security Competence Centre)
- France
  - Paris (Standard patent, Algorithm, Aesthetic)
  - Nice (Graphic chip design)
- Germany
  - Nuremburg (Energy technology)
  - Munich (5G, Hardware and Engineering, Engineering Test centre, Network Security)
  - Berlin (Standard patent)
- Ireland
  - Cork (OSS)
  - Dublin (OSS&BSS)
- Italy
  - Milano (Microwave)
- Sweden
  - Stockholm (Wireless system)
  - Gothenburg (Wireless base stations)
  - Lund (Terminal chipset design)
- UK
  - Ipswich (Optoelectronics)



- Cambridge (IoT, Wireless chip)
- Bristol (CPU Core)

Huawei has also the following facilities in Europe:

- 7 training centres
- 2 technical assistance centres
- 6 network operation centres
- 1 spare parts centre
- 1 service centre
- 86 spare parts warehouses



## Huawei globally

Huawei, a leading global information and communications technology (ICT) solutions provider, has a proven track record around the world, working with 45 of the world's top 50 tier-1 operators. The philosophy behind is: start with the customer, end with the customer. This customer centric innovation is fundamental of Huawei's global recognition.

A third of the World's population uses Huawei products, either directly or indirectly. With annual sales revenue of 60.8 billion USD in 2015, Huawei ranked 129<sup>th</sup> on the Global Fortune 500.

As of December 2015 176,000 employees worked for Huawei across over 170 countries, among which 79,000 in R&D. Overseas, 72% of the employees are locally recruits.

Huawei has 14 Regional Headquarters, 16 R&D centres, 36 joint innovation centres and 45 training centres worldwide.

In 2015 Huawei invested USD 9.2 billion (15.1% of its revenue) in R&D. As of December 31, 2015, Huawei has joined over 300 standard organizations and open source organizations, holding more than 280 key positions in organizations including IEEE-SA, ETSI, WFA, TMF, OneM2M, OMA, OASIS and CCSA. In 2015, Huawei filed over 5,400 standards proposals. By the end of 2015, Huawei has filed over 43,000 standards proposals in the aggregate.

As of December 2015, Huawei has filed a total of 52,550 patent applications in China and 30,613 patent applications outside of China. A total of 50,377 patent applications have been granted.

The core business of Huawei is in the carrier network, but in 2011 the company began its transformation into an end-to-end ICT solutions provider covering the carrier network, enterprise and consumer businesses. The products include the followings:

- network products for access, transport and core
- products for enterprise customers (switches, routers, UC & C, storage, data centres...)
- devices (smartphones, tablets, mobile wifi, broadband modem...)