



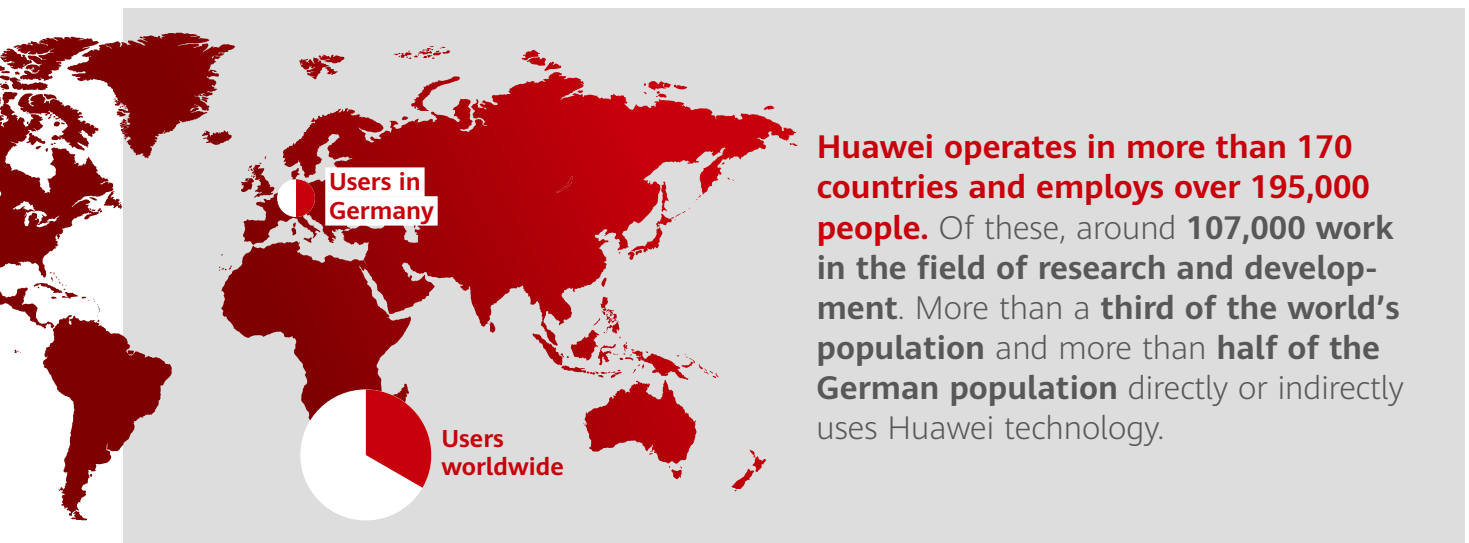
HUAWEI TECHNOLOGIES

Company profile

ABOUT US

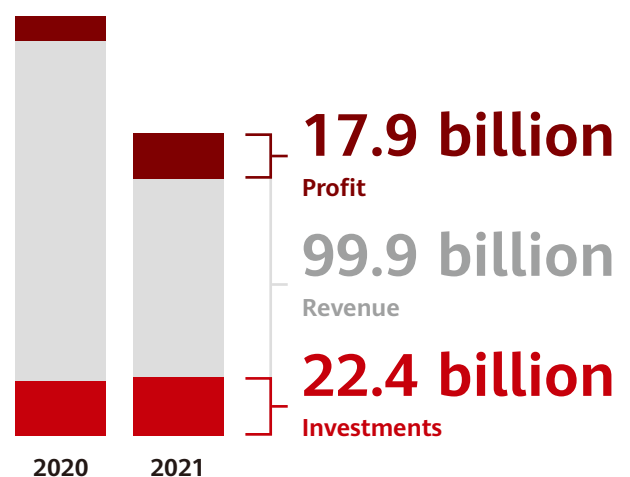
Huawei is a leading global provider of solutions for information and communications technology (ICT). With its three business divisions **Carrier Network**, **Enterprise** and **Consumer** the company offers, among other services, network infrastructure, cloud computing solutions and end devices such as smartphones, laptops, wearables and tablets.

Carrier Network Enterprise Consumer



In 2021, the company generated sales of approx. USD 99.9 billion and a profit of approx. USD 17.9 billion. This represents an increase in profits of 79.8 percent compared to the previous year 2020.

A total of **USD 22.4 billion was invested in research and development** in 2021 (approx. 22.4 percent of annual sales). In the last ten years Huawei has invested a total of more than USD 110 billion in research and development.





Huawei occupies **second place** in the **EU Industrial R&D Investment Scoreboard**, which the European Commission published in December 2021.



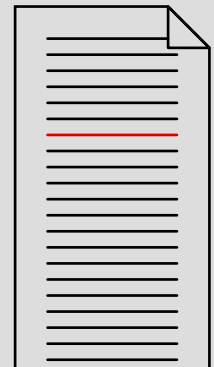
Huawei takes **44th place** in **Fortune Global 500 ranking 2021**.

The company has **45 of the 50 largest telecommunications operators in the world among its customers**.

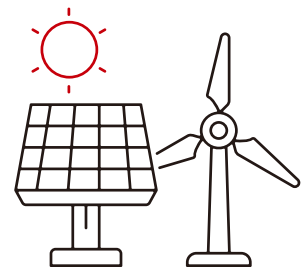


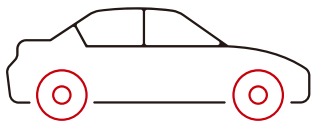
Huawei is a fully **privately owned company** that is **100 percent owned by its workforce**.

In October 2014, Huawei was the **first Chinese brand to be included in the list of the top 100 brands** in the Interbrand ranking.



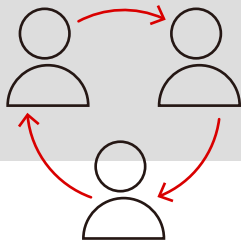
Huawei Digital Power Technologies Co., Ltd. was officially founded in June 2021. The vision is to **digitalise energy supply** in order to contribute to an intelligent and green future through technological innovations. By the end of 2021, the approximately 6,000 employees of Digital Power had helped customers generate more than 480 billion kWh of green electricity and save around 14 billion kWh of electricity. This has reduced their CO2 emissions by almost 230 million tonnes, which is equivalent to planting **320 million trees**.





Huawei is increasingly integrating **ICT** into the automotive industry and helping automotive manufacturers to develop digitally connected vehicles through **smarter vehicle components**. In May 2019 Huawei established the **Intelligent Automotive Solution Business Unit (IAS BU)**. By the end of 2021, it had launched more than 30 intelligent automotive components on the market, including innovative solutions for **intelligent driving, intelligent cockpit** and an **open platform for autonomous driving**. Huawei itself does not manufacture cars, but instead supports automotive manufacturers in building better vehicles.

In 2011 Huawei introduced a **rotation principle** in which the **CEO changes from a circle of three people** – Ken Hu, Sabrina Meng and Eric Xu – every six months. The Chairman of the Board of Directors is Howard Liang.



The company is **headquartered** in **Shenzhen**, China. Huawei was founded in **1987** by **Ren Zhengfei**.





HUAWEI IN EUROPE

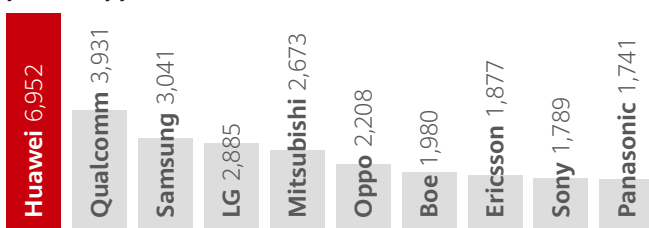
The **opening of a research centre in Stockholm began Huawei's activities in Europe in 2000**, which is now considered **the company's most strategic market alongside China**.

Today, the company employs more than **13,300 people in Europe**, **70 percent hired locally**.

Revenue in EMEA amounted to **USD 20.6 billion** in 2021.

In terms of the number of patents granted in 2021, **Huawei is ranked number one in both the Chinese Patent Office and the European Patent Office**. The **United States Patent and Trademark Office** ranks Huawei 5th.

Leading companies in international patent applications in 2021



Sources: WIPO Statistics Database, February 2022

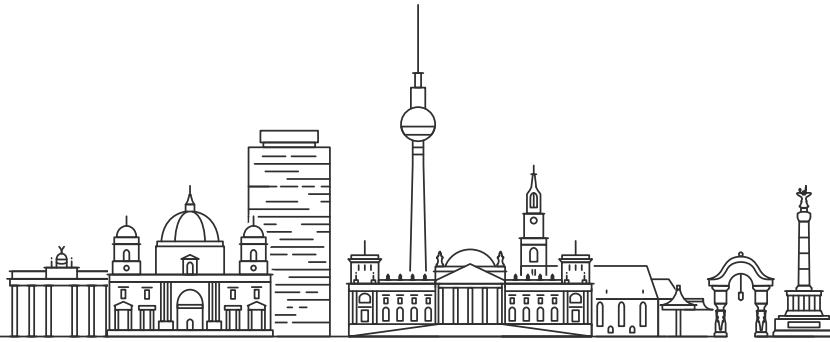


Globally, Huawei filed 6,952 patent applications with the World Intellectual Property Organization (WIPO) in 2021. At the end of 2021, Huawei held more than **110,000 valid patents in over 45,000 patent families worldwide**.

More than **2,500 employees work in Huawei's 23 European research facilities**, spread across **13 European countries**.

Li Peng is President of **Huawei Western Europe**.

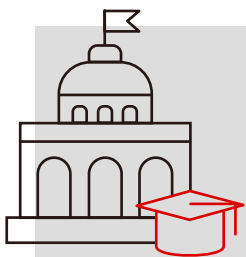
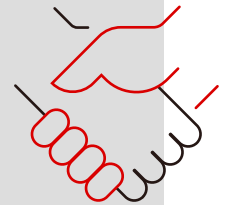
The company's **Western European headquarters** are **based in Düsseldorf**.



HUAWEI IN GERMANY

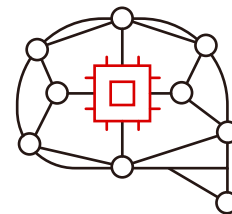
Huawei has been active **in Germany since 2001** and employs more than **2,000 people** at **22 locations in 15 cities**.

Since 2006, Huawei has entered into more than **228 collaborations on research projects in Germany, with a total of 54 different institutions**.



Huawei is also **focusing on research and development** in Germany. To this end, it has entered into **cooperations with numerous universities**

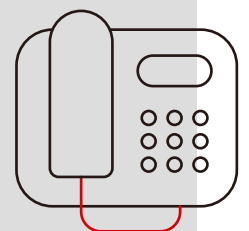
and research institutions, including the RWTH Aachen University of Applied Sciences, the Technical University of Munich and institutions of the Fraunhofer Society. In Munich, **Huawei maintains the Munich Research Center (MRC)**, the company's largest research centre in Europe with over **400 researchers**. Huawei conducts research at a total of **23 locations throughout Europe**.



Since 2020, Huawei has been offering **AI training based on the AI processors of the Huawei Ascend series** at the **Karlsruhe Institute of Technology (KIT)**, the **TU Kaiserslautern, TU Dresden and TU Clausthal**.

The company has a **broad customer base** in Germany, from the **major mobile network operators** to **regional network operators** and **industrial companies**.

Huawei is a long-standing **technology partner** of **Deutsche Telekom, Vodafone and Telefónica** for mobile and landline network expansion.

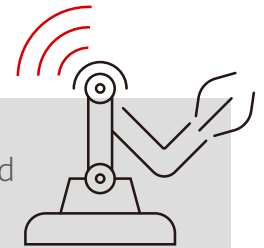


Huawei is a dedicated partner to German politics and business, including through its active participation in

- BITKOM – Bundesverband Informationswirtschaft Telekom-
munikation und neue Medien e.V.
- VATM – Verband der Anbieter
von Telekommunikations- und
Mehrwertdiensten e.V.
- BREKO – Bundesverband
Breitbandkommunikation e.V.
- BUGLAS – Bundesverband
Glasfaseranschluss e.V.
- eco – Verband der deutschen
Internetwirtschaft e.V.
- Deutsche Breitbandinitiative
- DsiN – Deutschland sicher im Netz e.V.
- German Datacenter Association e.V.
- Wirtschaftsrat der CDU e.V.
- Wirtschaftsforum der SPD e.V.
- Nationaler Digitalgipfel
- Initiative D21 e.V.
- MINT Zukunft e.V.
- acatech – Deutsche Akademie
für Technikwissenschaften
- Allianz für Cyber-Sicherheit
- LAG – Logistics Alliance Germany
- Verband Deutscher
Wirtschaftsingenieure e.V.
- MÜNCHNER KREIS –
Übernationale Vereinigung für
Kommunikationsforschung e.V.
- BSW Bundesverband Solarwirtschaft e.V.
- Bundesverband Energiespeicher e.V.
- Deutsch-Chinesische
Wirtschaftsvereinigung e.V.
- bne – Bundesverband Neue
Energiewirtschaft e.V.
- Die Chinesische Handelskammer
in Deutschland e.V.
- ZVEI – Zentralverband Elektrotechnik-
und Elektronikindustrie e.V.

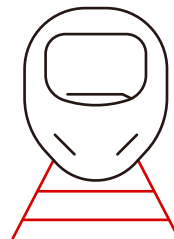


At the Hanover Trade Fair 2021, Huawei joined forces with **FORCAM**, a partner for lean management solutions, and **TRUMPF**, a partner for plant locations, to present **wireless factory solutions**.

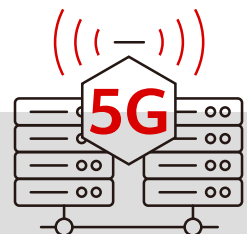


SAP and Huawei have had a strategic partnership since July 2012.

Together, they offer **enterprise solutions for SAP-HANA** and will work together in Germany and China on innovations in the field of **Industry 4.0**.



Huawei and its partners supply **Deutsche Bahn** (the German national rail) in the field of rail **communications technologies** (GSM-R solutions).



In February 2021, it was announced that Huawei, together with **Deutsche Telekom**, would set up one of the **largest 5G campus networks in Europe** on the premises of the German Trade Fair grounds in Hanover. Huawei delivers RAN technology. 1.4 million square metres of trade fair grounds will be equipped with 5G.



In November 2011 Huawei **was the first company from China** to open a **representative office in Berlin**.

Düsseldorf:
Germany and Western European Headquarters

In November 2018, Huawei opened its **Security Innovation Lab** in Bonn to work **closely with German industrial partners, research institutions and specialist authorities**. The main objective of the laboratory is to minimize the **cybersecurity risks of future information and communication technologies** and to contribute to **certification and global standardization** in the field of security.

Huawei opened a **Digital Competence Center** in **Saarbrücken**, Germany in November 2021. Here, a **team of proven experts works with partners from research, science and business across Germany and beyond its borders** in the fields of **artificial intelligence and cybersecurity**.



Nuremberg Research Center (NRC) with **Power Conversion Technology Lab** and showroom for **Digital Power Solutions** as well as a **PV Proof of Concept Lab**

More than **80 employees** work at the **Manufacturing Technology Center in Weilheim**, focusing on collaboration between German suppliers and partners, research and development of manufacturing process technologies, as well as testing and trial runs for Huawei components.

Munich: Headquarters of Germany's largest research centre

In **Munich**, Huawei also runs an **OpenLab**, which enables **local industrial partners and customers in Europe** to drive forward **digital innovation**. Together, leading industrial partners in Munich are working on solutions for digital production, including **the use of 5G and WiFi6**.



With its **Digital Seeds program**, Huawei enables **students** from German universities to gain **insights into China's largest private company** and to get to know the innovative technology scene and entrepreneurship culture on site.

Huawei's head of **Germany** is **Dennis Zuo** (CEO, Huawei Technologies Deutschland GmbH), **Michael Yang** is **Chief Representative** and **Walter Haas**, **CTO** as well as **Dr. Michael Lemke**, **CSO**.

More information about Huawei can be found here:

<https://www.huawei.com/de/deu/huawei-deutschland>

<https://de.linkedin.com/company/huawei-germany>

https://twitter.com/huawei_germany

<https://www.facebook.com/HuaweiGermany/>

Note: The percentage changes compared to the previous year were calculated in CNY. The amounts have been converted into USD at the closing rate of 31 December 2021 of USD 1.00 = CNY 6.3753. The figures have been rounded to the nearest 0.1 billion CNY/US dollars.