



Munich, Germany

Munich is the top-ranked cluster, out of 9 German clusters, that falls within the top 100 S&T clusters in 2023. It filed **3,702 PCT applications** and published **8,757 scientific articles**, both per 1 million inhabitants over the last five years, making it the:

22nd largest science and technology cluster in 2023 (unchanged from 2022)

10th S&T cluster by intensity (relative to population density) in 2023 (up four spots from 2022)

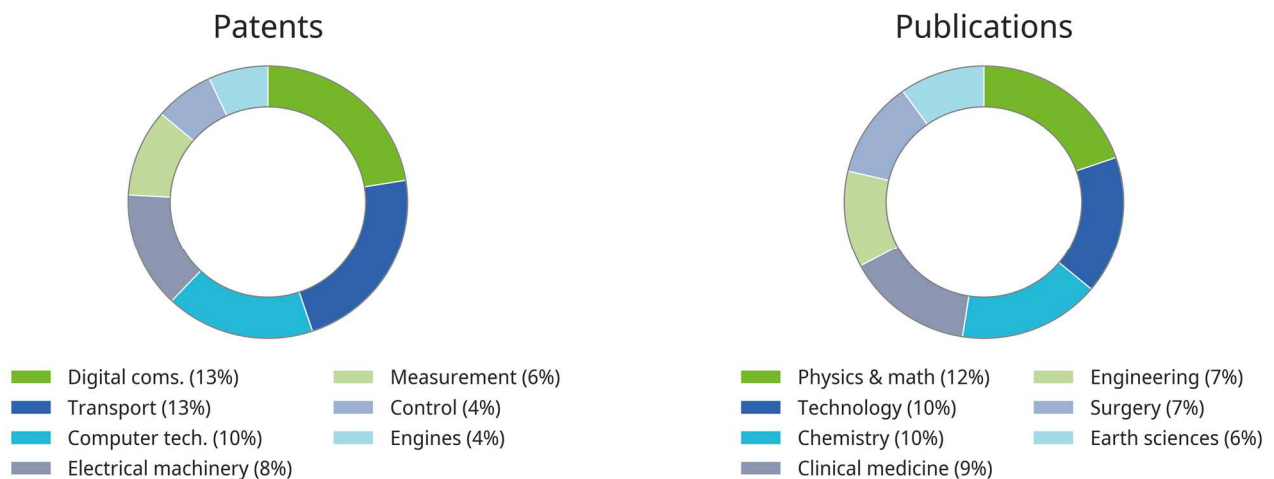
Top PCT applicants

		Patents	Share
1	Bmw	1,558	15%
2	Huawei	1,319	13%
3	Siemens	796	8%

Top publishing organizations

		Articles	Share
1	Technical University of Munich	8,524	35%
2	University of Munich	8,402	35%
3	Max Planck Society	2,281	9%

Top technology fields in Munich



25% of Munich's PCT patent applications are filed in collaboration with other inventors, with **Nuremberg-Erlangen**, **San Jose-San Francisco** and **Stuttgart** emerging as the top collaborative locations.

75% of Munich's scientific articles are published in collaboration with other organizations, with the top three collaborating locations being **Cologne**, **Heidelberg-Mannheim** and **Berlin**.