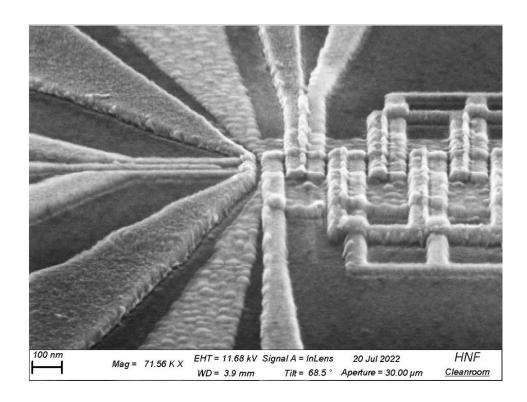


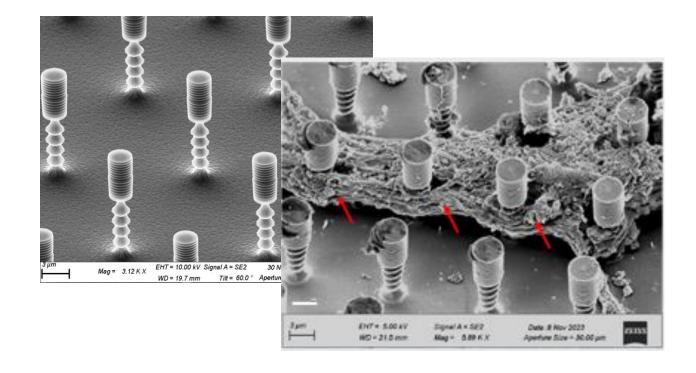
HELMHOLTZ NANO FACILITY @ FORSCHUNGSZENTRUM JÜLICH

13.11.2025 I TERESA WEßELS



EXAMPLES





Nature Communications, Volume 15, Article number: 2296 (2024)

unpublished



HNF

Helmholtz Nano Facility

- ➤ Central cleanroom facility of the Forschungszentrum Jülich
 - ≥21 institutes from FZJ
- External **cooperation** partners: RWTH Aachen, Universität zu Köln, HHU Düsseldorf and ARQUE u. a.
- >Central cleanroom for NEUROTEC research network and ML4Q cluster of excellence
- ➤ Standard opertation mode user facility, but also technology development and service
- ➤ Main **fields** quantum computing and bio electronics, but **widely spread**
- ➤ Quality managment system certified according to ISO 9001



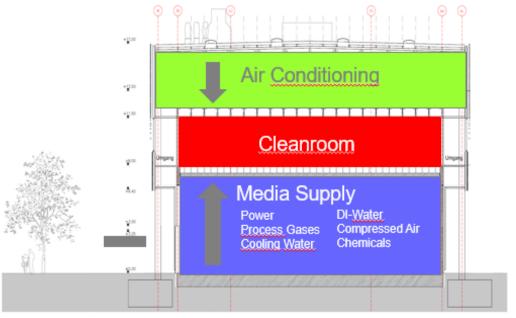
NUMBERS





BUILDING





Querschnitt 1-1 1;100



- > Wetbenches
- ➤ Lithography
- ➤ Deposition
- ➤ Dry etching
- ➤ Analysis
- ➤ Sample size from few mm up to 200 mm





Capabilities

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