Strategic Partnership between IBM and Rapidus to Build Advanced Semiconductor Technology Ecosystem in Japan

2022 | 2023 | Latter Half of 2020's

Aug Sep Oct Nov Dec 1Q 2Q 3Q 4Q 1Q 2Q 3Q 4Q 1Q 2Q 3Q 4Q 1Q 2Q 3Q 4Q 1Q 2Q 3Q 4Q

- Foundation of Rapidus
- METI announcement that Rapidus was selected for next-gen. semiconductor R&D project with GOJ funds of 70B JPY for FY2022.
- Announcement of strategic partnership between IBM and Rapidus
- Establishment of LSTC (Open R&D Platform)

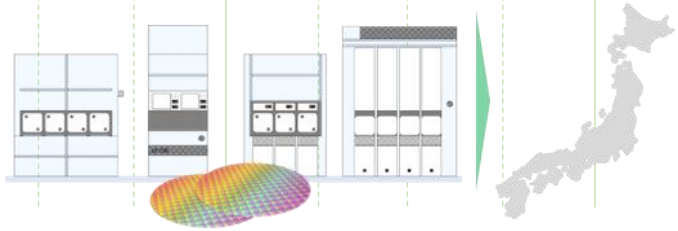
1. IBM and Rapidus formed a joint development partnership to enhance logic scaling to build advanced semiconductor technology ecosystem in Japan.
2. Rapidus will leverage IBM's semiconductor R&D leadership, including 2 nanometer node technology. Rapidus and IBM will further develop IBM's breakthrough 2 nanometer node technology for implementation by Rapidus at its fab in Japan.
3. Rapidus and IBM will make collaborative efforts in creating new market of the 2nm-node semiconductors produced by Rapidus, including the high performance technology segment to contribute to the green transformation of the world.
4. Rapidus and IBM will promote human resource development together, through efforts such as Rapidus scientists and engineers working together with IBM researchers at the Albany NanoTech Complex.

Planned schedule for joint development of 2nm node technology

Kick-off → Completion of pilot line (fab) in Japan → Completion of transfer

Joint development at the Albany NanoTech Complex

Technology transfer to the pilot line



Production ready