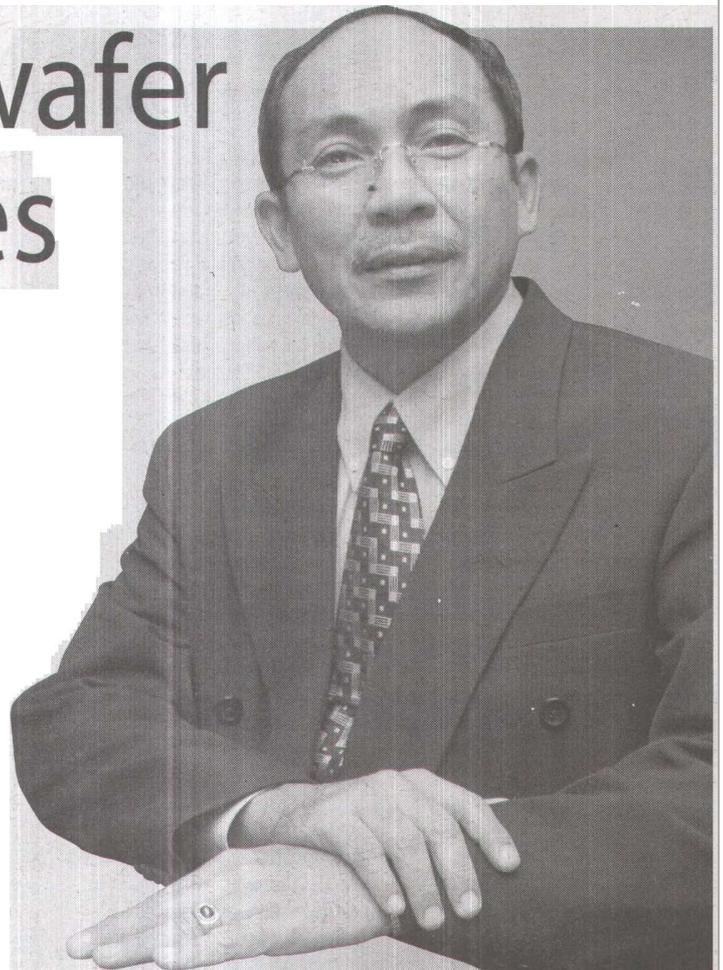


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# Mimos spurs wafer fab possibilities



**Abdul Wahab says Mimos aims to become a premier applied research hub in frontier technologies.**

**By Izwan Ismail**

**M**IMOS Berhad is exploring new frontier technologies under its wafer fabrication initiative in efforts to spur new growth opportunities.

According to its president and chief executive officer Datuk Abdul Wahab Abdullah, such efforts are aimed at pioneering innovative information and communications technology capable of generating intellectual property for commercialisation to ensure sustained growth.

Currently, Mimos is exploring microfluidics and complementary metal oxide semiconductor sensing technology to develop micro-electromechanical system (MEMS)-based applications.

One research consideration is the development of networked in-situ water and soil monitoring systems to increase the yield and quality of agriculture produce. Another potential research area is instrument miniaturisation for chemical analysis.

Commenting on the status of the company's semiconductor unit Mimos Semiconductor Sdn

Bhd (MySem), Wahab said it is currently serving international and local foundry customers, and assisting universities in developing integrated circuits, highly sophisticated electronic logic and control devices.

"MySem is also contributing to the development of human capital for the front-end process of wafer fabrication through training of new hires for new wafer fabrication multinationals at the startup stage such as Fuji Electric Device Technology, Infineon and X-FAB Semiconductor Foundries AG."

Developed as a state-of-the-art wafer fabrication facility, MySem is capable of playing an important role in the niche technology market, Wahab pointed out, in line with steering Mimos into a premier applied research hub in frontier technologies.

At present, the wafer fabrication facility is serving both local and international customers in Taiwan, Korea, Singapore and the United States for 0.35-micrometre and above technologies, MEMS processes and customised processes. It is also used to train engineers in local and multinational companies on wafer fabrication processes.

Besides that, there is the Mimos Failure Analysis Lab, which is currently serving 50 customers, including multinational companies, local electronic companies, research institutes, universities and government agencies.