

# NTU facility to boost used water treatment

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A \$6.5-million Advanced Biofilm Imaging Facility has been set up to boost used water treatment and environmental life sciences engineering research in Singapore.

The facility at Nanyang Technological University (NTU) was yesterday launched by the Singapore Centre on Environmental Life Sciences Engineering (SCELSE) and German microscope systems manufacturer Carl Zeiss. It is part of a long-term collaboration between the two.

Leveraging on Carl Zeiss' advanced imaging technologies, SCELSE will embark on bacteria research projects in used water treatment, public health, and other critical environmental life sci-

ences engineering research in Singapore.

This is the first time Carl Zeiss is working with a partner in the field of environmental life sciences engineering.

SCELSE, a first-of-its-kind research institution that aims to harness the powers of micro-organisms for environmental and water sustainability, is a \$120-million centre funded by the government.

With the new facility and state-of-the-art imaging equipment from Carl Zeiss, SCELSE aims to become the first research centre in the world to achieve real-time observation of how bacteria interact with each other and to conduct unique DNA testing so as to develop new research techniques previously deemed impossible in this field.



## SEEING CLEARLY

SCELSE deputy director Yehuda Cohen (left) and Carl Zeiss managing director for South-east Asia Ven Raman at the launch