The following article is an English translation of the original report by People's Network Japanese Version. The English translation of the original report was done by ZWEEC Analytics and should not be attributed to any other party.

The original report can be found at the following hyperlink:
http://j.people.com.cn/n3/2021/0201/c95952-9815029.html
(People's Network Japanese Version, 1 Feb 2021)

Progress of Planktonic Algae AI Identification at the South-to-North Water Diversion Project (Middle Route)

People's Network Japanese Version, 1 February 2021. According to a report by the Yangtze River Eco-Environmental Supervision Administration and Scientific Research Centre, of the Ministry of Ecology and Environment of the People's Republic of China. After three years of research and development from the monitoring science research centre at the South-to-North Water Diversion Middle Route Project (water in the southern region of China to the northern region to solve water shortages), a progress on planktonic algae AI identification has been made. The intelligent equipment developed and manufactured has achieved breakthrough automation in multi-channel algae sample loading, focusing, shooting, identification, and counting, etc. Even, under unattended conditions, multiple indicators such as algae species, proportion, and algae density can be automatically analysed then an output will be generated. Xinhua News Agency reported.

The planktonic algae AI identification equipment integrates auto-sample loading device, digital microscopic image auto-scanning system, and intelligent algae identification software, which can automatically switch, pick, and identify up to 15 samples at one time. Meanwhile, a standardized planktonic algae marker library was specially constructed, and deep learning training and optimization were carried out in accordance with the difficulties of planktonic algae, such as: diverse species, various distribution, and complex classification basis. (Editor: YF)

[People's Network Japanese Version] 1 February 2021

References

The above article is an English translation of the original report written by People's Network Japanese Version. The English translation of the original report was done by ZWEEC Analytics and should not be attributed to any other party.

The original report can be found at the following hyperlink:
http://j.people.com.cn/n3/2021/0201/c95952-9815029.html
(People's Network Japanese Version, 1 Feb 2021)