

December 5, 2019

Sumitomo Electric Industries, Ltd.

\*This press release was originally published in Japanese on November 21, 2019.

## **Sumitomo Electric Wins Three Major Projects for Wastewater Treatment in China**

**Sumitomo Electric Industries, Ltd. is pleased to announce that we have received orders for delivering our proprietary POREFLON® modules to three major wastewater treatment facilities in China. All of these projects are among the largest in our water treatment business.**

Since the establishment of the Water Pollution Prevention Action Plan in 2015, China has been actively promoting water pollution preventive measures such as stringent pollutant emission control. Sumitomo Electric has been actively working to develop this business in China since 2008 and has now won contracts for the following three major projects for wastewater treatment.

<Outline of the wastewater treatment facilities>

|                         |   |
|-------------------------|---|
| Facility                | Jiabei Wastewater Treatment Plant, Jiayuguan City, Gansu Province |
| Treatment capacity      | 35,000 m <sup>3</sup> /day  |
| Operation starting from | September 2019  |

|                         |   |
|-------------------------|---|
| Facility                | Guiyi Underground Recycling Water Treatment Plant, Guiyang City, Guizhou Province |
| Treatment capacity      | 50,000 m <sup>3</sup> /day  |
| Operation starting from | January 2020 (plan)   |

|                    |   |
|--------------------|---|
| Facility           | Shixuanzhen Wastewater Treatment Plant, Jianyang City, Sichuan Province |
| Treatment capacity | 15,000 m <sup>3</sup> /day  |

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|                         |              |
|-------------------------|--------------|
| capacity                |              |
| Operation starting from | October 2019 |



Sumitomo Electric's water treatment membrane modules



Jiabei Wastewater Treatment Plant



Shixuanzhen Wastewater Treatment Plant

A critical issue for membrane bioreactor (MBR),\* a widely used wastewater treatment method in large-scale plants, is how to reduce energy costs in cleaning the membrane. To counter this problem, Sumitomo Electric's POREFLON® modules, which increased the size and packing density of high-strength, flexible hollow fiber membranes, reduce the amount of air required for stable membrane treatment and thus save energy. In addition, the compact design reduces the installation footprint and thus construction costs. These excellent features are appreciated by our customers and resulted in our winning these three contracts.

Sumitomo Electric continues to strive to supply high-quality products, solve water treatment problems not only in China but also around the world, and contributes to environmental preservation of Earth, the "Water Planet."

\* Membrane bioreactor (MBR): A wastewater treatment system combining biological treatment with activated sludge and physical treatment by membrane separation, which can provide excellent water quality and operational management and greatly reduce the installation footprint of the wastewater treatment facilities.

[Reference materials]

# News Release



- Sumitomo Electric POREFLON® Microfiltration Membrane Module:

<https://global-sei.com/poreflon/>

- Press release on July 18, 2018:

Sumitomo Electric Develops Simplified POREFLON® MBR Device for Livestock Wastewater Treatment

<https://global-sei.com/company/press/2018/07/prs050.html>

- April 2018 issue, “id,” Sumitomo Electric Group e-magazine: The Future of a “Water Planet” Created with Water Processing Technology

<https://global-sei.com/id/2018/04/project/>

Sumitomo Electric's Website : <https://sumitomoelectric.com/>