CASE STORY


THE CUSTOMER
Xinhua News Agency, the official, state-run press agency of the People's Republic of China.

THE CHALLENGE
Upgrade the agency's data center cooling system to secure data storage, improve efficiency, and reduce energy and maintenance costs.

THE SOLUTION
Replace the system's outdated shell-and-tube heat exchangers and open cooling towers with efficient, reliable, SWEP BPHEs.

THE HEAT EXCHANGERS
Thirty-eight (38) SWEP B80AS brazed plate heat exchangers were installed in 2015, with an additional two units stored as emergency back-up.

THE RESULTS
Eliminated scaling, fouling and maintenance in S&T heat exchangers, reduced energy consumption, enabled free cooling in the winter.

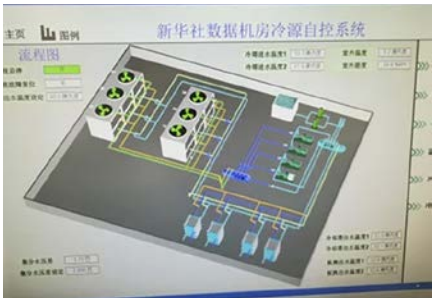
# Securing data and saving energy in the PRC

SWEP
A DOVER COMPANY

**Reliable data depends on reliable cooling**
China's Xinhua News Agency has given new meaning to the term "big data." As the largest media market in the world, China boasts the world's largest online population – more than 1 billion users. It is estimated that more than a quarter of this online population lives in rural areas and that nearly the entire online population of the country can access the internet via smartphone. With this many people depending on the Xinhua News Agency, it requires absolute reliability in its data center operations.

Prior to 2015, the Xinhua News Agency depended for data center cooling on a combination of shell and tube heat exchangers (S&T) and an open cooling tower. This solution soon became outdated, leading to a variety of common problems, such as scaling and fouling of the S&T and a corresponding need for increased maintenance. To eliminate these difficulties, the decision was made to upgrade the system using SWEP BPHEs.

**The role of SWEP BPHEs**
Thirty-eight (38) SWEP B80AS models were installed, with an additional two units stored as emergency back-up. The compact structure of the SWEP B80AS allows more space for personnel to perform spot checks, while at the same time, the single, factory-welding of the BPHE eliminates the costs associated with maintenance. By making it possible to take advantage of free cooling, the new system obviated the need to operate the chiller during the winter season, significantly reducing energy use and costs.



**The data center cooling system seen from the interface.**


**One of the SWEP B80AS installed on the site.**

**More About Xinhua News Agency**
The Xinhua News Agency was founded in 1931 and has its headquarters in Beijing. As of 2024, it also has more than 170 overseas bureaus. The agency publishes Chinese news in multiple languages and is responsible for adapting reports from foreign media for release in China.

**SWEP B80AS.**