

## Nanjing Hydraulic Research Institute (NHRI) efficiently digitizes 60-year-long archive with ABBYY Recognition Server



*“The primary requirement of NHRS for the hydrological testing documents processing is that the accuracy of data entry. Any input errors are intolerable. Scientific data cannot be any risk. ABBYY Recognition Server not only provides customers with the best accuracy of the input, but also greatly enhanced the efficiency of input, saving customers a lot of valuable time.”*

Alex Chen, Director, DIT

### Background

Nanjing Hydraulic Research Institute (NHRI), set up in 1935, originally known as the Central Hydraulic Engineering Research Institute, is the first of its kind in China. The institute is at present under the joint jurisdiction of the Ministry of Water Resources, the Ministry of Communications, and the State Power, P. R. China.

In 2008, NHRI received a mandate from the Ministry of Water Resources to input data from all the hydrological testing documents of the Chang Jiang River, dated from 1949 to 2007, into Nanjing hydraulic database. This data is used for future access and plays an active role in preventing the flooding of the Chang Jiang River.

### The project

The foundation of the Nanjing hydraulic database basically went through two phases: Preparation phase and Implementation phase.

The Preparation phase consisted in collection, arrangement and analysis of relevant information. The Implementation phase was composed of using software to enter the information into the Nanjing hydraulic database.

### The problem

After receiving the task NHRI started analyzing the data that needed to be input in the database. When the institute finally found out the amount of data to be processed, it was shocked. There were a total of more than 6,000 documents. Each document included several hundred pages collected during almost 60 years and representing all the hydraulic testing data. In accordance with the number of personnel and the speed of manual entry, input all of the data (including its proofreading) would have needed almost 5 years. It far exceeded the 2-year time limit set by the Ministry of Water Resources.



## About Nanjing Hydraulic Research Institute (NHRI)

The institute is a multipurpose national hydraulic research complex, which, with the basic theoretical research and applied research as its major orientation, undertakes directional, principal and comprehensive researches for water conservancy, water resources management, hydroelectric power, waterway transportation projects, and the application and extension of small hydro power technology. For more information, please visit [www.nhri.cn](http://www.nhri.cn)

