

Security measures

A major aquafeed producer in China is making good use of RINA software to link instruments in a secure network where each one can be carefully monitored and measurement data are always kept safe. Administration of instruments and calibrations is also greatly reduced.

The TongWei Group is one of the biggest feed companies in China and is famous for its aqua feed products. To maintain high quality standards, seven near infrared (NIR) instruments are installed across different plants in the group and in mid 2010 the company started to use the RINA system to improve their NIR management control. In Focus caught up with the NIR coordinator at TongWei, Mr. Song Tao to hear about his experiences.

Improved security of calibration and scanning data

Mr. Song Tao explains how calibration data is now stored on the secure RINA server instead of on computers at the client sites. This gives peace-of-mind because the data cannot be stolen or compromised. A backup of sample scanning data from the client computer is also stored on the RINA server, so should

there a problem with the client computer, the data can always be recovered.

Easier management of client instruments

The management of clients is also improved in several ways. Performance test results of all clients are stored in server and can be easily checked anytime. All scanning data at the client site can be synchronized in real time allowing any scanning errors to be found immediately.

Above all, the operators at the client site can just get on with their work and make measurements based on the calibrations downloaded from the RINA server. The calibration download is compulsory and the operators at the client sites have no rights to adjust the slope and intercept.



Left: The TongWei Group is famous for its aqua feed products

Right: Mr. Song Tao:
“The operators at the client sites do not need spend a lot time developing and adjusting calibrations as they have in the past.”

“The operators at the client sites do not need spend a lot time developing and adjusting calibrations as they have in the past,” says Mr. Song Tao. “Now they can concentrate on the sample scanning and data analysis and there are a lot less errors to do with calibration now.”

Transferable calibrations

The RINA network has greatly improved transferability of calibrations as Mr Song Tao explains: “Now, with the RINA system, we only do a lot of setup tasks in Network Manager such as the prediction model, parameter profile and product tree. We only need to do this once and then they can be synchronized to all clients. This has saved a lot of time and money.”

As manager of the server he can easily log on each client to collect data, export spectra and upgrade the calibrations, without the client instruments be-

ing switched on and without needing help from operators.

Expandable network

While Mr Song Tao’s experience indicates many benefits of RINA, he can think of more features that could perfect the system even more. For instance, it would save time if gain-test results could be uploaded to the server automatically and some form of identification of individual operators would be useful.

Whether or not future versions of the RINA system can meet these wishes, it will continue to keep calibration and measurement data under control and can always be expanded to allow new instruments into the secure environment of the network.

 [Learn more about RINA](#)