

Our Technology

NWCI's Typhoon series evaporation systems are changing the way proactive managers are handling their waste water problems. NWCI's systems offer a proven cost-effective way of reducing the volumes of waste water by upwards of 80% and at a fraction of the cost.

How can we promise such an impactful result? Autonetics.

In its most basic form *autonetic's is the science behind the development of the automation of mechanical devices for control and guidance*. NWCI's team of engineers have invested years in developing the autonetic technologies and infrastructure necessary to successfully AND safely measure, control, optimize and justify the success & investment in our evaporation technologies.

There are several key components we have integrated into our autonetic evaporation platform.

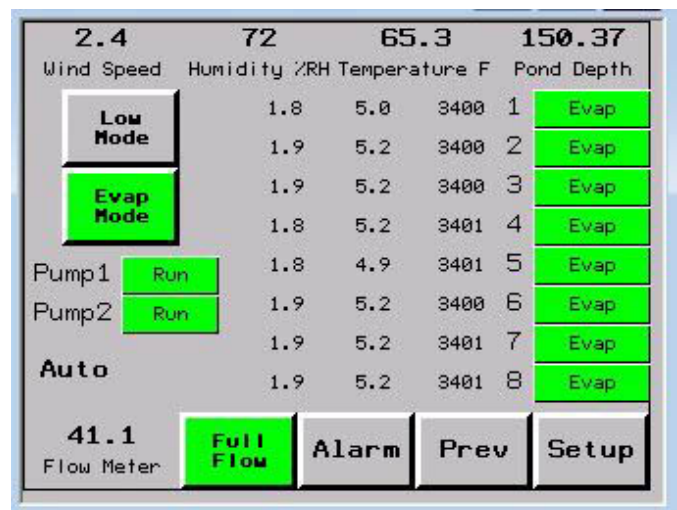
Hardware

NWCI has spent the past several years developing the durable and efficient hardware needed to evaporate waste water in a safe and cost effective manner. The Typhoon Evaporator along with the LilyPad, TET, TEC and Mantis Platforms are the result of years of trial and error. The next step was to figure out how to automate and control these pieces of hardware in a way that would result in paradigm shift in how we deal with waste water.

Onsite Automation Software

Every system we install comes with a software and automation package that is configured for the unique environment of each location. The software receives constant feedback from its pumps, Typhoon heads, flow meters, and environmental sensors. It calculates in real-time the optimal settings necessary to evaporate the maximum amount of waste water in a safe and controlled manner and then adjusts the hardware to match those calculated parameters. A Touchscreen allows operators change modes, turn the system on and off, monitor environmental conditions, and toggle an operational safety factor that allows the user to reduce flowrates & RPM's by a set percentage.

The Onsite software is in constant contact with our cloud network via our secure cloud communication gateway sending all the captured environmental and operational data.



The Data Cloud

NWCI's secure cloud network collects the data from every evaporation system worldwide and then shares that live data to the customer in their own private portal. Customers can analyze and view the data via a standard web browser. Data is grabbed everyday by our backup servers for long-term storage. The portal offers the following:

Dashboards & Reporting

Our cloud network features graphical dashboards which presents live and historical data from the NWCI Cloud communication gateways in the field. This powerful feature enables end users the ability to see the status and performance of a system in a glance. (see images below for examples)

Remote Operations (Coming Soon)

Turn the system on or off remotely. Adjust settings and parameters from any location that has access to the internet. Managed Service's personnel can operate the system safely from our data center.

Alarm Management

Recieve notifications via email, SMS, or RSS. Configure alarm thresholds for your field equipment and manage several sites from one view. Direct alarms to yourself or service personnel in the field or even third party suppliers.

