



Rainwater Harvesting Measuring, Monitoring, and Management

March 2020



GPRS module that plugs into PLC

Rainwater harvesting system with High-LINK® at manufacturing facility.

www.highlandtank.com

MEASURE • MONITOR • MANAGE

As rain water harvesting techniques become more mainstream, sustaining water quality for applications like toilet flushing, cooling tower make-up, and irrigation is critical in maintaining the economic benefit of employing recycled water.

The objectives for utilizing rainwater harvesting as a storm water BMP are simple: conserve potable water, protect surface water, and reduce stream channel degradation from runoff. These objectives are met by utilizing a properly sized rainwater harvesting system as an innovative design tool to create a source of reuse for water that would otherwise go down the drain.

One of the most critical elements in any properly designed system is the ability to monitor all mechanical/electrical functions of the system to provide security and maintain a healthy water environment in and out of the building.

Designing and building an efficient rainwater harvesting system starts and ends with the ability to measure, monitor, and manage every aspect of the system. Highland Tank understands this challenge and has developed High-LINK® to ensure that efforts to conserve and reuse water are as streamlined as possible.

Our High-LINK® systems combine hardware with sophisticated software to integrate business intelligence into Highland Tank's products and services. These High-LINK® integrated systems provide a multitude of monitoring capabilities customized to meet the current needs of a facility while remaining expandable for future growth. By simply adding the ability for the rainwater harvesting system's control panel to access the internet, Highland Tank has created a high-tech tool to meet and maintain indoor water quality standards highlighted in today's plumbing codes. You can't manage what you don't monitor.



Maintain optimal system performance with predictive maintenance.

Highland Tank provides the means to measure the physical, chemical, and biological constituents in any water environment to ensure compliance.

Highland Tank can provide real-time condition monitoring and management of pH, TDS, alkalinity, chlorine, temperature, and more to validate water quality and ensure compliance.

Powerful software records data obtained from real-time, on-site measurements compiling meaningful patterns so we can make informed decisions based on data.

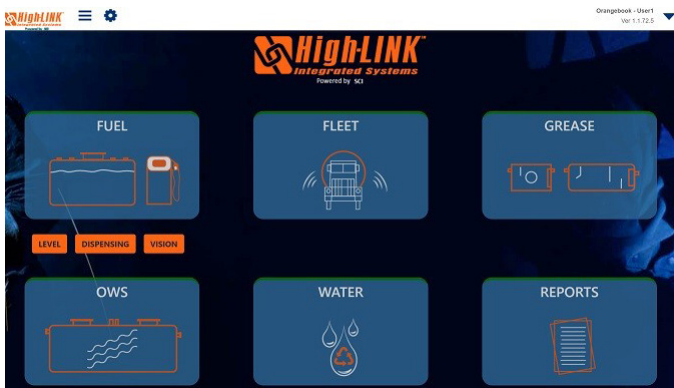
High-LINK® utilizes analytics to establish benchmarks to predict and improve both efficiency and performance of the High-DRO®-Pure Rainwater Harvesting system.

Our water is the most precious resource and must be maintained for future generations.

By simply adding GPRS and/or WiFi Lan connections to the PLC controller, the High-LINK® user interface is only a click away from any smartphone tablet or laptop. Direct access to the predictive patterns establish benchmarks for the system's efficient and continued operation.

HIGH-LINK PROVIDES PEACE OF MIND 24/7

- Measure processed water, levels in chlorine, dye, cistern(s), day tank, pump performance, pressure UV intensity, water quality, and more
- Predictive maintenance techniques applied as "best practice" elevates efficiency, reduces operating costs, and provides a level of service beyond what is standard in the steel tank industry
- 5-year bumper-to-bumper warranty
- Start-up inspection, troubleshooting, on-site service available



High-LINK® user interface

Call 814-893-5701 today
or visit us at
www.highlandtank.com
for more information on rainwater
systems or High-LINK® systems.

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