Automation - Efficiency - Monitoring

Developed exclusively for the maple industry, the H2O-Smartrek™ technology is a highly efficient solution providing accurate intel on the watertightness of your collection network.

With the use of different sensors installed throughout your sugarbush, you can quickly find out where leaks are, even the smallest ones, and act promptly to maintain a high vacuum level at the tap.

This continuous monitoring is made possible by the use of vacuum and tank sensors. Each second, these sensors send information to your laptop, tablet or smartphone so you can keep a constant eye on your installations, wherever you are.

The H2O-Smartrek™ technology allows you to:

1. Read the vacuum level at all times and from anywhere
2. Monitor your tank level
3. Visualize, with graphical assistance, the weather fluctuations, the vacuum and tank levels all throughout the day
4. Map your tubing system on a satellite map using your phone's GPS

Starting Kit
(Tablet, gateway & programmation)

$1 150,00
Instrumentation serving your performance

The H₂O-Smartrek™ technology collects and analyses data and represents an efficient solution to improve the vacuum level of your collection system. With H₂O-Smartrek™ you can:

1. Confirm the tapping technique of your staff
2. Find out where the leaks are and promptly correct them
3. Establish a daily agenda of leak correction during the production season
4. Reduce the number of employees required to correct leaks and monitor your collection network.

A profitable investment? Absolutely!

The H₂O-Smartrek™ technology costs $1 to $1.50 per tap to install. In average, the total installation cost, including the automatisation, is $1.25 per tap.

According to the Procter Center, a vacuum level increase of 1” of mercury per tap should produce, on average, an extra 2.3 litres of maple water.

Knowing this, if a producer obtains an average of 2” of mercury per tap, he can expect a water increase of 4.55 litres per tap. If the water is at 2° Brix, he then obtains a 0.30 lbs gain per tap. Calculated at the price of $2.75/lbs of syrup this represents a $0.83 increase per tap, per year.

Excluding the savings made on labor, the investment made for the purchase of the H₂O-Smartrek™ technology is profitable within a year and a half.