

KC Enterprises Ltd
174 Main Street
Buzzards Bay MA
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Changing Times

- **Exciting Times for Irrigation Automation.** As the National Leader in Irrigation Automation Systems with over 500 pumps automated Brett Niver has taken over the day to day operations with the goal of not only maintaining the number one status but taking the company to a new level. Utilizing his experience and knowledge Brett is excited about the future.

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Irrigation Automation

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Irrigation Automation Systems Inc.

Irrigation Automation formerly a division of KC Enterprises takes on a whole new look. As of April 15,2011 Kevin Connolly president of KC Enterprises Ltd passed ownership of Irrigation Automation on to Brett Niver Stonewall Drive Grafton Massachusetts. Brett has incorporated Irrigation Automation Systems. The company will remain at the 174 Main Street Buzzards Bay MA address where automated systems have been assembled since 2004. Brett is looking forward to meeting the challenge and providing a customized solu-

tion that meets the needs of each individual grower while maintaining the existing platform upon which Irrigation



Automating Irrigation conserves Water, Fuel and Human resources.

Automation was built. Paul Frink will continue to provide the customer support our clients have grown to expect;

as well as research and develop new products. Paul's knowledge of electronics and technology will be used to further develop and perfect Irrigation Automation. Michael Thompson (Mike) will continue to provide the wireless support clients have enjoyed as well as system assembly. Kevin Connolly and KC Enterprises Ltd will continue to represent Irrigation Automation as National Sales and Business Development Agent. Brett is excited about the opportunity to put his knowledge and Automation experience to work in order to exceed your expect-

About Brett Niver

Brett Niver was born and raised in the middle of Ohio's dairy- farming community. Brett began his career by teaching Math and Science to 7th, 8th and 9th graders at a Menonite middle school in Ohio. After several years Brett decided to further his education in Computer Science at Kent state University.

Post graduation he began a 25+ year career developing embedded computer controls. Upon returning from a short time in Germany Brett began work at EMC in Hopkinton MA, where he lead a research and development team in the development of a high-speed fabric switched interconnect for the VMax

enterprise family of Storage Systems . Brett was awarded the Presidents award for Innovation as a result of his efforts and dedication to this project. As president of Irrigation Automation Systems Inc. Brett is looking forward to applying his skills in the agricultural industry.

frost@lert Early Warning Systems



The newest product from Irrigation Automation Systems Inc.

Not Just a frost@lert. This easy to use system can be used as a "moisture@lert, a Water Level @lert, a Wind@lert and more

"BEST SELLER"



frost @lert was introduced to the growers in April and has received raving reviews. Out of the box; it is as simple as mounting the device on a post or pole and setting your alerts and actions. The system begins recording temperature and moisture or wind speed and sending alerts depending upon your choice of action. From a remote server to a web page the temperature or other data

is displayed in a simple, easy to comprehend format. . The page allows the client to view the most recent 10 recordings in intervals as short as five minutes. The device page "auto refreshes" eliminating the need to exit and re-enter the to view the data being recorded. Alerts are set by simply entering a number above or below (from a drop down box) a set point at which you wish

to be notified. The action or actions are similarly selected from a drop down list including cell phone land line, email or sms text messaging. Multiple alerts and multiple actions can be chosen for each alert. Data charts can be expanded out from one day, to three days, seven days, one month or one year. The product is the foundation for future offerings.

moisture@lert?

Our new frost@lert system has been raising a lot of eyebrows recently when a tensiometer is attached to the system . The tensiometer records the soil water tension which indicates the effort required by the root system to extract water from the soil. The Irrrometer tension

probe is a true measurement of soil water it is not affected by salinity and does not require calibration. Our LT model incorporates a replaceable "quick flow" tip . It is designed for situations where tensions above 30cbar are rarely expected. It is the probe professionals

choose most where rapidly changing soil water tension needs to be observed. The LT model makes maintaining the ideal soil water tension levels a much easier task. The frost@lert system can warn you when you fall outside "the ideal zone" saving water and maximizing yield.

Never Judge a Book by it's Cover

At first glance, a frost@lert system looks like a solar panel with an antennae. Like a good book; it is what is between the front and back covers that makes

a best seller. Our frost@lert system uses the very latest in technology to provide end users with information that is easy to read, brings value to the day to day operations and can make a positive impact on future deci-

sions. IP67 and 68 rated enclosures to maintain a watertight environment and connectors that stand up to the harsh conditions under which they are confronted with daily make frost@lert an easy choice for "Best in its class".

University Research and Development



Irrigation Automation systems Inc. president Brett Niver places a

strong emphasis on research and development . With capable personnel like Paul Frink constantly researching new products and methods to keep Irrigation Automation Systems in the forefront of technologi-

A strong emphasis on re- search and develop- ment.

in agriculture across the United States. Recently the company has installed equip- ment at Rutgers University research center as well as Uni- versity of Massachusetts Cran-

cal solutions Brett also recognizes the need to de- velop strong rela- tionships with the many University research partners

berry center in Wareham MA in order to gather data and help to provide the best possi- ble solutions to farmers. Farm- ers rely heavily upon the assis- tance provided by university researchers and Irrigation Automation systems Inc. is dedicated to providing sim- ple, easy to use solutions.



Unlike many vendors Irrigation Automation provides a redundant SCADA automated solution

Why Scada ?

Supervisory Control and Data Acquisition. One of key pro- cesses of SCADA is the ability to monitor an entire system in real time. This is facilitated by data acquisitions including checking statuses of sensors, etc that are communicated at regular intervals depending on the system. Besides the data

being used by the Controller it is also displayed to a human that is able to interface with the system to override settings or make changes when neces- sary. Unlike many vendors Irri- gation Automation’s SCADA system allows for major deci- sions to be stored at the con- troller so as to provide a re-

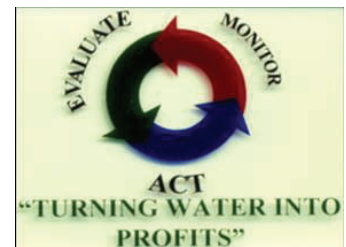
dundant automated solution where the loss of connectivity with a remote computer or server does not mean the fail- ure of execution. Starts, stops, temperature, moisture set points and more are stored and acted upon by the FW Murphy controller not by a re- mote server.

Water, Water Everywhere ?

71 Percent of the Earth’s sur- face is covered with water. With 36 states in the United States expected to face seri- ous water shortages by 2013, American Water is partnering with the Student Conservation Association and EPA’s WaerSense program to launch the Save Water Today public

service program. The program will place emphasis on the monitoring of how much water we actually use.....and how much of it we waste. In agricul- ture monitoring use will in- clude the use of flow meters, hour meters etc. while savings will require the use of soil moisture probes, more effi-

cient means of ap- plying water and data recording tools to assist farmers in applying the right amounts of water at exactly the right time. Irrigation Auto- mation Systems Inc. has been providing water and fuel conservation automation solutions since 2004.





Irrigation Automation Systems

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“Providing tomorrows solutions today”

Since 2004 Irrigation Automation has been providing Automated solutions to farmers across North America. From a simple monitor, record and alarm device like our **frost@lert**, to the most comprehensive fully automated scada system offered today, our commitment continues to be to provide innovative products and services through cutting edge technology. We continually strive to be driven by our market responding to its needs and conditions. Unlike many major corporations Irrigation Automation Systems Inc. future is secured by our collective knowledge, ongoing research and commitment to exceeding our customers expectations.

For more information on any of our products including comments or suggestions regarding this publication please contact Kevin Connolly at 800-640-6750 or kc7749@aol.com

Conservation

Irrigation Automation Systems Inc. is extremely proud of the products they provide to the agricultural community helping farmers to exceed their expectations when it comes to conserving nature's most valuable resources. Farmers across America are hard pressed to meet government and community expectations when it comes to water conservation. With an Irrigation Automation System installed on any mechanical, electronic or electric motor used to pump irrigation water farmers can expect to save anywhere from 35% up to 60% of water. Similar savings are realized on fuel. Savings on fuel means low-

ering total emissions thereby reducing the carbon footprint of the farm. Using solar panels to generate the power necessary to run the systems Irrigation Automation Systems Inc. continues to provide clean energy solutions. The greatest benefits provided by installing an Irrigation



Helping to conserve our most precious natural resource

Automation System on a farm today are the increases in crop yield, the decrease in human resources and the peace of mind received when you have an automated attendant working on your behalf 24 hours a day 365 days per year. Brett Niver and his skilled staff continue to listen to the needs of agriculture through constant contact with the farmers across our country and responding to their needs with easy to use, reliable solutions that make sense. As a veteran of automation and leader in technology advancements Brett and his staff remain dedicated to **“providing tomorrows solutions today”**