City of Wichita, Kansas Septage Receiving Stations
Case Study using BALOGH HYPER X™ Long Range Identification System

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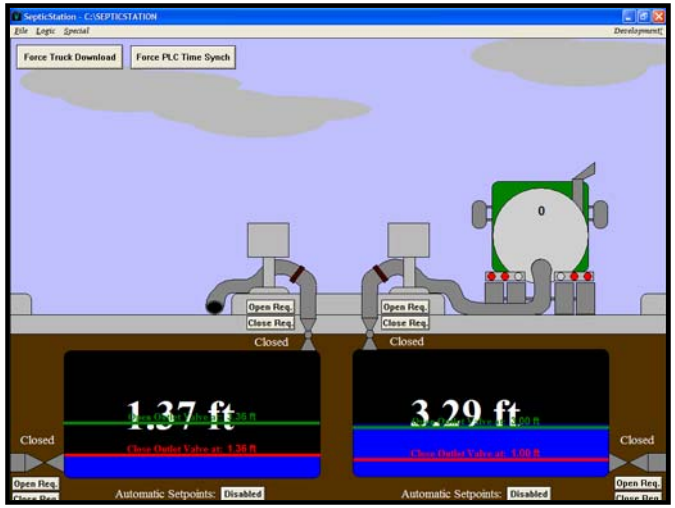
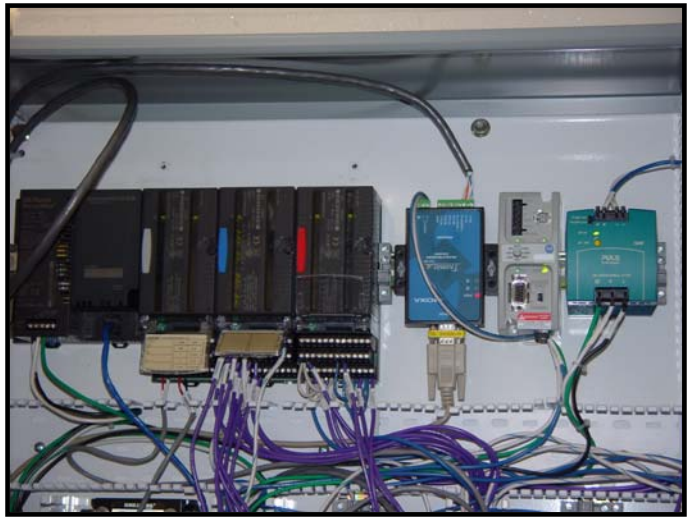
Application:

BALOGH HYPER X readers and TAGS are used in conjunction with a GE VersaMax PLC Horner TIUs, and InTouch 9.5 to gather data from Septic Trucks about their loads that they are about to dump. The data is archived and used for billing of the Septic Tank Pumping Companies





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Problem:

The City of Wichita was upgrading their septage receiving stations and need a way to Improve efficiency, decrease the incorrect entry of data, and increase the life of their HMI's by reducing the number of key presses for longer keypad life.

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RFID Products Used:

HYPER X LMB-6033 5 Meter Compact Reader
FCC Approved

HYPER X BDG-1020 Semi-Passive
Read Only TAG

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Solution:

BALOGH HYPER X is an important part in the identification of the septic trucks as they arrive at the dumping station.

All trucks are outfitted with a BALOGH HYPER X BDG-1020 TAG. The TAG is located on the front windshield inside the cab. As the truck pulls up to the dumping station the HYPER X LMB-6033 5 Meter compact reader reads the TAG identifying the truck and company.

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Solution:

As the truck is identified the HMI removes the screensaver and switches to the password entry screen for the truck ID. This starts the process of allowing the driver to unload the waste.

There are 2 unloading stations each has a HYPER X reader

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Benefits and Future Expansion:

With the use of RFID and BALOGH HYPER X products, 5 key strokes have been removed from the data entry process removing the chance of error. Each truck is identified with a 100% read rate therefore allowing for a more efficient unloading operation.

Because of the reliability of BALOGH HYPER X products the City of Wichita will be adding a HYPER X reader at the entrance to the facility for Access Management to the property for after hours unloading.

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