

EquipTutamen™ An Online Pump Diagnosis and Prognosis System

Your Pump Can Fail

It is crucial that your pump is always running as efficiently as possible. A pump laboring under the handicap of a suction line air leak, or clogged impeller uses unnecessary energy to complete the job. It also stresses parts of the pump, which will shorten the life of the pump and can cause premature failure. EquipTutamen™ is an online pump diagnosis and prognosis system that will eliminate unexpected failures before it happens.

Protect Your Assets

Tutamen means protection in Latin. As the name implies, EquipTutamen™ protects your valuable pumping system and provides a better way to manage your business assets. Through monitoring the operating conditions 24/7, system performance can be effectively maintained.

EquipTutamen™ can continuously monitor pumps, and their accessories through various non-intrusive sensors. This is especially critical when monitoring the status of older pump systems. EquipTutamen™ detects irregularities of the sensing signals and reports the various levels of severity of faults from warning to fatal. Earlier detection can effectively prevent unscheduled shut-down. Therefore maintenance cost can be dramatically reduced and system reliability can be improved.

In the current product offering, sensors are installed at pumps. Various pumps in different locations can all be networked through robust wireless communication and alerts can be sent via emails and text messages. A sophisticated GUI can be used to configure and monitor the system. All operational data will be archived in a central database.

Features

- Patented cluster trending technology for reliable monitoring
- Accurate failure indicator and alarm management
- Estimation of equipment performance degradation index (PDI)
- Capable of processing data with missing data segments
- Capable of processing a number of contact points simultaneously
- Monitoring multiple pumping systems simultaneously
- Highly secured computer network via domain separation
- Highly secured wireless network via physical layer authentication
- Seamless integration with existing enterprise monitoring systems
- Email and text message notification of alerts
- Remote configuration and monitoring
- Lower cost per contact point



Earth's Natural Resources



What do we offer in our product?

- Rugged industrial PC with embedded monitoring algorithms
- Sensing system with wireless capabilities
- User friendly GUI compatible with Windows 98, 2000, XP, Vista
- Secured wired and wireless network
- Remote troubleshooting and technical support

What equipment can we monitor?

Any type of pumps and their accessories in your facility. EquipTutamen™ is powered by our patented technology that is totally data driven both for diagnosis and prognosis.

What types of sensors can we use?

Any sensors, as long as they provide good diagnostic information. If your pump does not have sensors installed, our engineers will install them at the right locations within the pumping system.

Troubleshooting
Is it guess work??

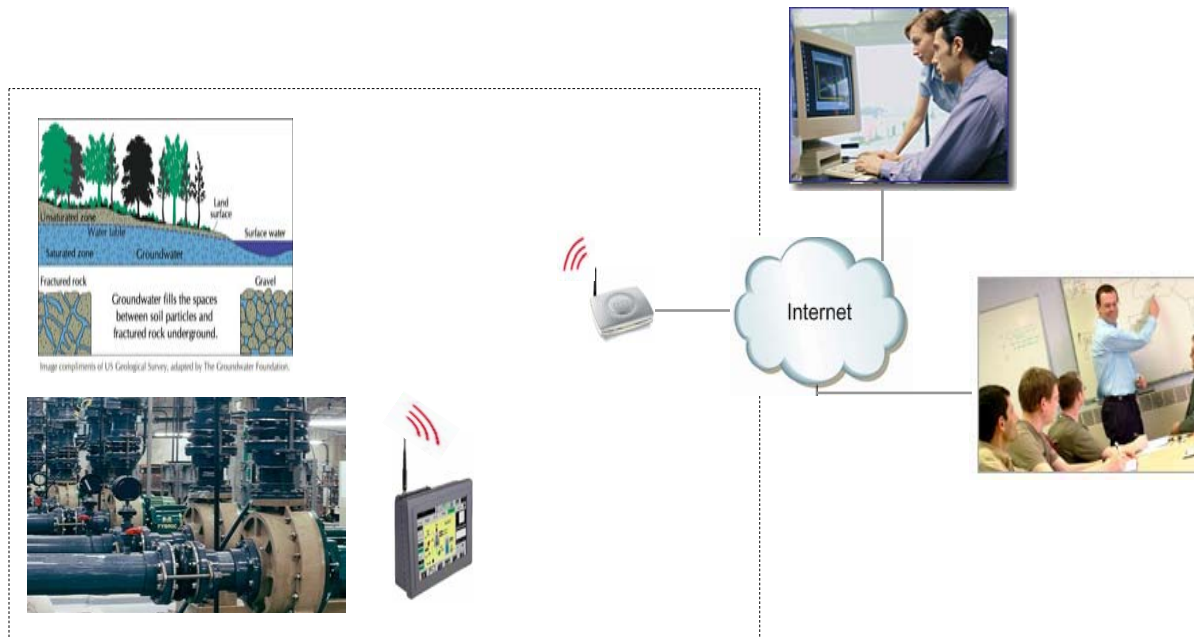


EquipTutamen™ On-line Pump Diagnosis takes the guess work out of troubleshooting.



**EquipTutamen™
Pump Diagnostic System**

Pump Monitoring Does the Job!!



Benefits

- Predictive maintenance through real-time remote monitoring 24/7
- Predicts failure before it occurs and maximizes lifetime of pumps
- Non-intrusive sensing
- Prevents unscheduled shutdown
- Reduces ongoing maintenance or intervention
- Protects financial well-being of your business



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