



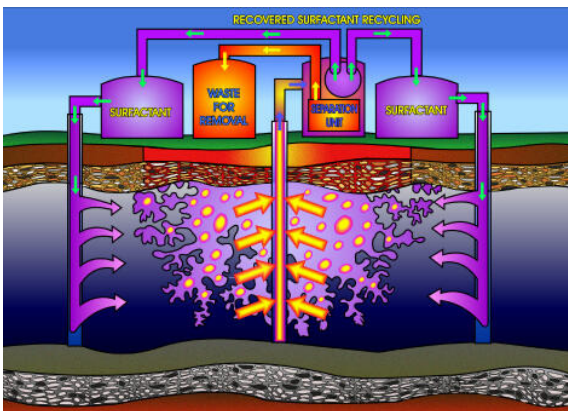
## Bio- Remediation pHA- Environmental Restoration

### Key points of interest

Pha has developed the Magnus Bio-remediation technology targeted at dry cleaner chemical cleanup applications. TBOX RTU Telecontrollers have been utilized to provide enhanced remote monitoring and control capabilities.

Example of systems and features:

- Bulk tank monitoring
- Benign Gas distribution system
- Pump control and monitoring
- Soil Vapor Extraction Systems
- Scheduled automatic operation
- Daily Reports and data logs
- Remote alarming, email and web access



### Overview

Pha Environmental Restoration has developed a new technology termed "MAGNUS" - Multiple Application Gas Nutrient System. MAGNUS is a simple, environmentally friendly suite of technologies that uses benign gas phase nutrients to rapidly and completely degrade contaminants from both soil and groundwater. The system lessens cleanup time from years to months, from months to days — typically with no business time lost. The MAGNUS technology has been proven to be especially useful for sites where traditional liquid injection has failed or been cumbersome to contain.

The Magnus design typically consists of two separate systems contained in small, tow-behind trailers. The systems include an air blower; treatment constituents; and the controls, valves, and manifolds to deliver the nutrient mix to the appropriate wells according to the injection protocol. The systems utilize injection wells installed to treat groundwater and soil contamination simultaneously. A TBOX Telecontrol system provides process management of all the functions, datalogging and charting of the systems progress, alarm management and remote access. The reporting features of the TBOX are especially valuable for tracking site remediation progress and coordination with local and national environmental agencies.

Find out more information about Pha at [pha-er.com](http://pha-er.com) and TBOX at [integrasense.com](http://integrasense.com).