



Ground Remediation Systems Limited

Reference - SVE & Air  
Sparging, Groundwater  
Abstraction & Treatment

Soil and Groundwater Remediation

Water Treatment

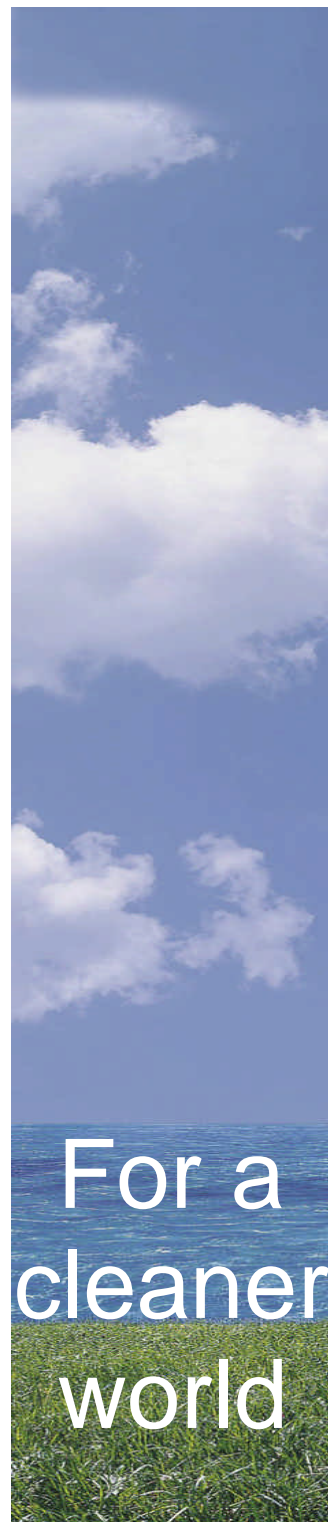
Vapour Treatment

Design & Supply

Installation & Commissioning

Operation and Control

Project Management





## Reference - SVE & Air Sparging



Task	In-situ remediation of soils and shallow aquifer
Location	Poole, UK
Period of Operation	May 2000 - April 2002
Technical Process	<p>Stage 1: Air Sparging with soil vapour extraction and activated carbon treatment</p> <p>Stage 2: Groundwater abstraction and treatment with twin stripping column and activated carbon treatment</p>
Contaminants	Chlorinated Hydrocarbons

### Project Description

Stage 1: The system is a PLC controlled plant equipped with telemetry. Rotary Lobe blowers were used to abstract vapour contaminated with chlorinated hydrocarbons and a similar high pressure blower was used to inject air via solenoid valves individually controlled by the PLC. Extracted vapour was treated in large GRS 2 tonne vapour-phase activated carbon vessels.

Stage 2: The system comprised circa 15 groundwater abstraction pumps, settling tanks, sand filtration, air stripping plus vapour and aqueous phase activated carbon treatment. Off-gas treatment for the stage 1 works was integrated into the stage 2 works for treatment of off-gas from the air stripper system.