

# Press Release



## **ADROK Sets Sights On Middle East Expansion**

### **Scottish technology firm set to save global energy sector billions**

Scottish company Adrok Group Ltd, which is set to save the oil and gas industry billions of pounds through its groundbreaking imaging technology, has signed a deal with International Business Development Company LLC (IBD Group) - expanding its services into the Middle East.

Adrok, based in Edinburgh, has developed revolutionary technology known as the Atomic Dielectric Resonance (ADR) Scanner, which has the ability to identify and image any substance down to molecular or atomic level.

The technique provides exploration companies and operators with the capability to pinpoint the location of hydrocarbons before costly drilling programmes begin. ADR also has the ability to quantify oil or gas reserves, give insights into the mix of sand and water, map geological structures to a higher resolution and undertake scans of large remote areas.

Companies specialising in natural resources (oil, gas, water and minerals) can use this data for subsurface exploration, to develop new reserves, and to monitor their producing fields.

The technology is currently being used primarily during onshore exploration although some offshore activity has been undertaken. The agreement with IBD Group will involve Adrok's technology being licensed to the Group who will provide the ADR Scanner directly to oil and gas companies in the region.

Gordon Stove, ADROK managing director, said: "The new partnership with IBD marks a critical milestone in the firm's expansion into international territories. The Middle East is a key target for ADROK and IBD will undoubtedly assist us in building enhanced access to market opportunities, reduced operating costs and utilisation of local resources in the region."

The system was developed by Stove's father, Dr Colin Stove, who worked as a principal investigator for the European Space Agency and NASA, and invented principles of atomic dielectric resonance.

Reaching depths of up to four kilometres, the technology works by learning how different substances – including hydrocarbons – interact with the light waves passing through them, which are then reflected back to the surface.

Distinct from alternative technologies, the ADR Scanner is not reliant on interpretation or probability. The system measures the resonance of the rock and how it reflects the light wave. The tool is then trained to determine how different types of rock interact with the wave, in order to identify others.

IBD Group, based in Oman, was formed to assist and facilitate local and international companies in providing services and products in the Middle East. CEO, Sayyid Mohammed Al-Said added: "This technology has a potential to change the way oil & gas companies conduct business, not only in new exploration but also in finding the oil or gas that was left behind in old fields. I believe the technology will significantly contribute in reducing oil or gas extraction cost which would translate into savings in overall cost to the end user. We are excited that this partnership will bring the technology to the Middle East"

Test areas for ADR have included Scotland's deepest onshore and volcanic sites, Omani deserts, the Canadian Arctic circle, as well as offshore locations.

The ADR Scanner represents a major breakthrough in physics with the capability of providing a competitive advantage for a range of industries in addition to oil and gas including minerals, water, life sciences, civil engineering, defence, security, and industrial quality control.

**Ends**

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#### **Notes to Editors**

- ADROK was set up in 2000 and has expended £3 million in the development of the technology. The ADR scanner was commercially launched in 2007."
- ADROK is an advanced imaging technology company headquartered in the United Kingdom with exclusive global patents to Atomic Dielectric Resonance (ADR) imaging technology for oil and gas and mining applications. The novel technology, adapted from use in the civil engineering and oil and gas sectors, has been proven to map the sub-surface geology and locate accurately and identify precisely the fluids present. In trials, the ADR technology has identified oil / gas / water / rock types / minerals, penetrated the earth to greater than 2000m and penetrated highly conductive layers (such as seawater, salts and metals). The technology is based on Electromagnetic signalling.
- For further information go to [www.adrokgroup.com](http://www.adrokgroup.com)