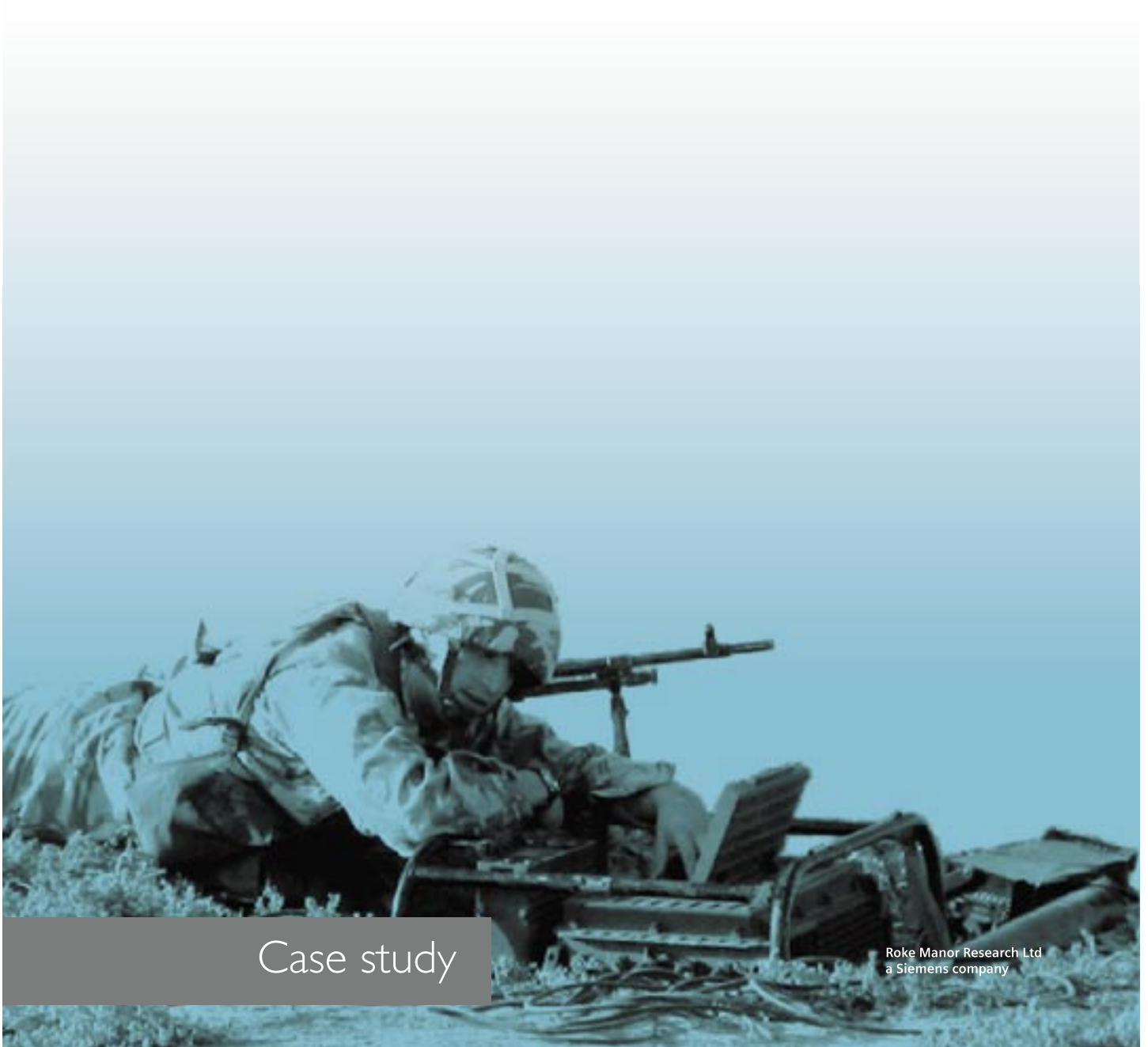


Helping the British Army keep the peace

Roke Manor Research's world-leading acoustic weapon location system for the British Army enabled them to conduct successful peace keeping operations overseas.



Case study

Roke Manor Research Ltd
a Siemens company



Background

The British Army, together with the UK's other armed forces, is responsible for the defence of the United Kingdom. It also performs many peace keeping operations and is currently deployed in over 80 countries around the world. These deployments vary in strength from single personnel to full operational deployments.

To meet all the demands made of them and to maintain their status as one of the most professional armies in the world, it is vital the British Army's equipment remains advanced and flexible.

Challenge

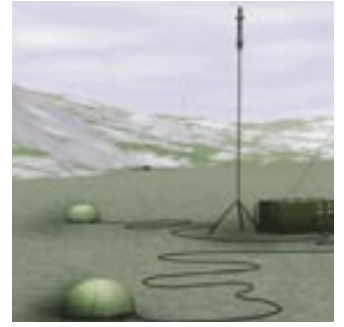
In its peace keeping role the British Army monitors ceasefire agreements – or rather, when there has been a ceasefire violation. In this situation it is important to identify which side broke the ceasefire by detecting where the artillery was fired from. The existing Cymberline radar was not suited for this role as it was not designed to perform continuous monitoring and could only detect fire from a small sector. The alternative system, the GSR MkII, lacked accuracy and flexibility.

With the British Army's deployment in 1994 to Bosnia, there became an urgent operational requirement for a 'ceasefire violation monitoring' system. The procurement arm of the British Army put out a tender for a system which, amongst other criteria, had to overcome the limitations of current systems, last in the field for at least 200 days, and be ready to deploy in just six months.

Solution

Roke Manor Research won the competitive tender due to our world-class expertise in acoustics and our ability to meet the extremely tight timescales. Our solution, called HALO® – Hostile Artillery Locator, was developed in just six months and became a highly prized asset of the British Army. It provided them with the ability to perform long-term surveillance to detect, identify, and locate hostile fire up to 30 kilometers away.

The British Army wanted to keep this vital equipment operational and, with ongoing support from Roke, equipment that had only been designed to last for 200 days was kept operational for seven years.



Outcome

HALO[®] provided the British Army with a cost-effective, flexible system that could be used 24 hours a day in all weather conditions and in any location. Not only did they have the most advanced gun locator in the world, but it was all developed and delivered within six months.

Following HALO's[®] initial deployment, it went on to be used for peace keeping operations in Kosovo and Yugoslavia. Mr James Arbuthnot, Minister of State for Defence Procurements in 1996, said the system was deployed within a matter of months and made its first successful detection almost immediately.

The British Army have found HALO[®] to be so successful that an upgraded system has since been developed. Since July 2002, the British Army has been equipped with HALO[®] MkII. The MkII, which covers a wider area, has seen service in both Gulf Wars, providing long-term, covert surveillance and ceasefire violation monitoring of hostile areas.

HALO[®] is now a product of Selex-SAS who successfully market the equipment all over the world. With Selex, Roke is continually upgrading and servicing HALO[®] to ensure the British Army continues to help keep the peace overseas.



**For further information
please contact:**

Marketing department

T +44 (0)1794 833455
F +44 (0)1794 833433
info@roke.co.uk
www.roke.co.uk

Roke Manor Research Limited

Roke Manor, Romsey, Hampshire SO51 0ZN UK
T +44 (0)1794 833000
F +44 (0)1794 833433
info@roke.co.uk
www.roke.co.uk

© Roke Manor Research Limited 2006. All rights reserved.

This publication is issued to provide outline information only, which (unless agreed by the company in writing) may not be used, applied or reproduced for any purpose or form part of any order or contract or be regarded as representation relating to the products or services concerned. The company reserves any right to alter without notice the specification, design, or conditions of supply of any product or service.