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MineWolf Capacity Build-up in Southern Sudan



Sudan has suffered from 21 years of civil war – from 1983 to 2004. During this period warring factions

deployed thousands of landmines to defend their positions and to disrupt the movement and operations of the enemy. Landmines and unexploded ordnance continue to present physical and psychological threats to communities: they inhibit agricultural production, trading of goods, economic development, and freedom of movement.



The MineWolf in action in Sudan

The equipment is part of a contract awarded by UNOPS (United Nations Office for Project Services: www.unops.org) to build up mine clearance capacities in the region.

Both MineWolf machines arrived in Mombasa, Kenya, via sea, and were transported overland via Uganda into Southern Sudan.



MineWolf convoy begins its journey from the port of Mombasa, Kenya, to Southern Sudan

To help eliminate this serious problem, MineWolf Systems has delivered two MineWolf demining units to Southern Sudan in collaboration with the renowned Swiss demining organisation Fondation Suisse de Déminage (FSD: www.fsd.ch).

FSD selected MineWolf Systems based on our extensive demining experience in Sudan, with our first MineWolf unit successfully operating in Sudan since October 2005.

Besides the MineWolf machinery, the package included all necessary means to support the two units independently at separate worksites throughout Sudan. MineWolf Systems delivered two fully mobile camps transported with special 6x6 and 8x8 off-road trucks with crane capacities and off-road trailers. Each unit is supported by a mobile workshop and a comprehensive spare parts package.

Today, 3 MineWolf units are up and running in Southern Sudan and continue to clear mine infested areas.

For more information about the MineWolf, please visit our [MineWolf webpage](#).

MineWolf System Delivered for Jordanian-Israeli Border Clearance Project



The first MineWolf has been mobilised to Jordan in order to support the National Committee for Demining and Rehabilitation (NCDR) and Norwegian People's Aid (NPA). MineWolf Systems also provided transport vehicles, feasibility analysis, training and a technical advisor for the project.

The Government of Jordan is committed to destroy all landmines in the country by 2009 in accordance with its commitments to the International Mine Ban Treaty signed at the Ottawa Convention. Funding has been made available by the Government of Norway and also by the Governments of Germany, Finland and Japan.



MineWolf on its Way to Jordan

As the task is significant in terms of size and impact, the Government of Jordan has asked for assistance from the Norwegian People's Aid to clear all anti-personnel and anti-tank mines along the border to Israel from the Red sea to the Dead Sea within this time.

NPA will assist Jordan's National Committee for Demining and Rehabilitation (NCDR) by using the MineWolf to support and verify the clearance of the minefields in Wadi Araba, a continuous minefield stretching from the Dead Sea down to the Red Sea along the Israeli border.



MineWolf in Action in the Jordanian Desert

NPA established its programme in Jordan in January 2006 and went operational in early June. After the first 100 days of operations with 81 staff members in the programme, NPA has removed 18957 Anti-Personnel mines and 6126 Anti-Tank mines. In addition NPA has already released more than 6 million square meters previously considered as dangerous areas through general and technical survey techniques.

According to NPA, these figures are unprecedented in the history of their humanitarian mine clearing projects.

Mini MineWolf Proves its Capabilities in the Field

The remote-controlled Mini MineWolf, a smaller, lighter and more easily transportable version of the MineWolf, was launched in April 2006. It is designed for rapid deployment to remote areas requiring robust tiller-based demining in variable terrains.



Mini MineWolf

After arrival of the first Mini MineWolf in Bosnia-Herzegovina on May 3rd, four local operators were trained and certified, and the machine was put through rigorous trials by Norwegian People's Aid (NPA) in Brcko. The results fully met MineWolf Systems' and NPA's demanding expectations:

- **5000 – 10000 m² cleared per day** depending on terrain, weather and vegetation.
- **Over 500,000 m² cleared** by NPA in Bosnia with the Mini MineWolf during May - November 2006, with peak productivity reached in July with 108,000 m² cleared.

2nd Mini MineWolf deployed in Croatia

Based on the success of the Mini MineWolf deployment in Bosnia-Herzegovina, Croatian-based Tornado d.o.o., one of the top 3 demining companies in the Balkans, also became convinced of the reliability and high-output of the Mini MineWolf. After training by MineWolf staff, Tornado has also deployed a Mini MineWolf for demining projects in Northern Croatia starting in October 2006.

During the mandatory testing by the Croatian Mine Action Centre (CROMAC) the Mini MineWolf achieved a continuous depth of over 23 cm in soft, hard and gravel ground. Further more the Mini MineWolf is the first machine tested in Croatia that activated all 19 AP mines in the test.



CROMAC accreditation plaque mounted on the Mini MineWolf

For more details about the Mini MineWolf, please visit our [Mini MineWolf webpage](#).

German Army Engineering Corps visit MineWolf Systems Manufacturing Site

Representatives of the German Army's engineering corps in Munich ([Deutsche Bundeswehr](#)) took the opportunity on November 14th to visit MineWolf Systems' production facilities for an update on the latest developments. The group of 22 officers were given an overview of the current product range (MineWolf, Mini MineWolf) and support equipment (trucks, workshop, spare parts) that generally accompany a mine clearance deployment. As a highlight, the visitors witnessed a demonstration of the new Mini MineWolf clearing test mines on a test "minefield".



Both the MineWolf and Mini MineWolf were demonstrated

Since 2000, the German Army (Bundeswehr) has made significant technical contributions to the development of the MineWolf product range.



The German Army delegation at MineWolf production facilities in Herdwangen

As a result, all MineWolf machines are built to fulfill the rigorous requirements of a modern army. The latest addition is the remote-controlled Mini MineWolf, a smaller and lighter version of the MineWolf, which is specifically designed for quick deployments to remote areas requiring rapid demining capabilities, for example peace-keeping operations.

The dialogue with the Bundeswehr will continue into 2007, when they plan to conduct a comprehensive series of tests of the Mini MineWolf against live AT-mines.

MineWolf Continues High-output Operations in Croatia



The MineWolf operated by [MKA*Deming Ltd.](#), the largest demining company in Croatia, continues to achieve excellent results.

Since May of this year, the machine has cleared more than 1.9 million square meters of minefields in multiple locations in Croatia in just 61 operational days.

The areas successfully cleared included a variety of challenging terrain and gradients: agricultural areas, orchards, heavy vegetation, around buildings, in and around wooded areas, over heavily metal contaminated



Hillside demining in Croatia

ground, marshes and on steep hillsides.

Since delivery of the unit to MKA*Deming, it has successfully cleared more than **3,600,000 square meters** since it entered the field in May 2005.

MineWolf Systems Present in the Balkans: New Address in Bosnia

To support our operations in the Balkans, MineWolf Systems established local presence in Brčko, Bosnia in early 2006. The office has now moved to a new location.

Valid immediately our new office address and contact details are as follows:

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