



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

### **Introduction to Al Khebra Al Fania Demining**

Al Khebra Al Fania is a fully Iraqi owned Demining and UXO clearance company that has full licensing and accreditation to conduct these operations. We strive to deliver the very best service in a timely and cost effective manner, always in accordance with the International Mine Action Standards (IMAS) and the Iraq National Mine Action Standards (INMAS) while we work towards a mine and UXO free Iraq.

Al Khebra Al Fania draws upon the considerable experience by its Iraqi staff, many of whom spent years in the Iraqi Army Engineers attaining ranks such as Coronel. In addition we are matched up with Expat leadership with over 50 combined years of experience in the field.

We are looking forward to serving your Demining, Battle Area Clearance, UXO and deep search requirements. We are Basrah based and can react to your needs rapidly.

For any additional information beyond this letter please visit our website and contact:

Mr. Thaer Muhsen, General Manager  
Mobile Phone: + 964 (0) 780 71744 480  
Email Address: [thaer.alkinani@alkhebraalfania.com](mailto:thaer.alkinani@alkhebraalfania.com)  
Website: [www.alkhebraalfania.com](http://www.alkhebraalfania.com)

OR

B. F. Burnham, Program Manager  
Mobile Phone: + 964 (0)781 4509 408  
Email Address: [bf.burnham@alkhebraalfania.com](mailto:bf.burnham@alkhebraalfania.com)  
Website: [www.alkhebraalfania.com](http://www.alkhebraalfania.com)

### **Why use Al Khebra Al Fania Company?**

The benefit of using Al Khebra Al Fania to conduct demining clearance operations in Iraq is that we are a self-sufficient company which provides timely, cost effective services while we work in harmony with our local communities.

We provide internationally qualified Expatriate Quality Assurance personnel for overall Demining Project Management who attend the site and monitor all demining operations daily to ensure compliance with recognized International Demining and Health Safety and Environment (HSE) standards.



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

Al Khebra Al Fania personnel conduct the internal quality surveys and certify the area as clear of UXO's and mines.

Al Khebra Al Fania Company is a proven demining specialist in Iraq providing the best possible solutions to our clients at competitive pricing. Our critical concern is the delivery of services to the satisfaction of the client and compliance with required laws and approved procedures. Al Khebra Al Fania provides key management control over operations to ensure the delivery of service meets the strict requirements of our clients and adherence to international standards. We are committed to ensuring strict quality control in the delivery of services, especially with operations such as mine and UXO clearance, to ensure the safety of our clients and personnel.

### **Proven specialized search and locate equipment**

Al Khebra Al Fania is the first demining company in Iraq to use multi channel magnetometers with a data logging feature which is then interpreted through a software suite in the field to produce real time usable site information. We have most recently added a new pool of specialized search equipment to our inventory. For example: The Ebinger five channel Magnex 120 LW (in quantity) which has the ability to detect UXO, pipelines and any object yielding a magnetic signature down to 6m underground. The units are outfitted with the EPAD data logging device and EPAS software, which greatly reduces the amounts of false readings that require investigation. These detectors were specifically built by Ebinger of Germany to our specifications. This truly amazing equipment directly reduces resources and expenses on the tasks as well as saving time, such as eliminating the multiple excavations that were once necessary to complete the deep searches for properties. These advantages in equipment and our expertise make Al Khebra Al Fania the choice for solving the challenges that lay ahead for your company.

Al Khebra Al Fania Demining Services are inclusive of all documents and reports for all phases of required demining and UXO clearance, site assessment, technical surveying, demining and UXO clearance, all in accordance with the requirements defined by the client prior to the commencement of work, and according to the scope, standards and specifications defined by the client.

### **Quality Control**

Daily quality control checks will be conducted, with additional quality control inspections performed after the completion of each area. This will be achieved by randomly checking 10% of the area to ensure it is clean from mines and UXO. Any failure to meet the quality control requirements will result in the re--searching and clearance of the area.



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

### **Certification**

All work is conducted in accordance with the International Mine Action Standards (IMAS). A witnessed certificate of clearance is provided confirming the clearance of the site to the depth of investigation. A report is provided detailing any items found, location of find and action taken. Al Khebra Al Fania is licensed to operate as a demining contractor in Iraq, approved and registered with the National Mine Action Authority (NMAA) in Iraq.

### **Mine awareness training for field personal**

Mine awareness training will be carried out for all client personnel or subcontractor that will enter the site, as part of their normal day--to--day work. Additionally, selected other client personnel who may occasionally need to visit the sites, will also be trained as required.

### **Introduction to Battle Area Clearance**

BAC operations involve the location and disposal of ERW, including UXO, but excluding mines, over specific areas, which may include battlefields, defensive positions and sites where air delivered or artillery munitions, including cluster munitions, have been fired or dropped. This is typical for the Basrah and N. Rumaylah oil field areas.

### **Report system based on daily information**

The daily report consists of:

- 1) The Square Meters (SQM) cleared for the day.
- 2) A sketch of the cleared area.
- 3) Detailed description of work carried out that day.
- 4) Work to be done the following day.
- 5) Issues affecting operations and solutions to the issues.
- 6) Photos of the operations and issues of the day.

### **Dissemination of information regarding location of mines**

Dissemination of information will be conducted according to the Iraqi Mine Action Centre (IMAC) direction, the Regional Mine Action Center (RMAC) guidance and IMAS standards. In summary the following steps are taken:

- GPS reading is taken of item found.
- RMAC and Client informed of find.
- Iraqi Military contacted and requested to clear/dispose of item found.



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

### **The Al Khebra Al Fania approach to Demining, UXO and ERW clearances**

The steps in overview that we take to each demining or BAC task, which will be carried out to complete the task in a safe and IMAS compliant manner are:

**Step 1:** A Non Technical Survey (NTS) while normally performed by the client company can be on request performed on the area by Al Khebra Al Fania. The purpose of the NTS is to confirm or deny that there is evidence of hazards within the specified area due to ERW, Mines and or UXO of any type. In addition the NTS is to identify the extent of the hazards within the area and to define, as far as possible, the perimeter of the actual hazardous areas *without* physical intervention.

The product of this survey will be a written report supported by mapping, imagery, metal detection equipment verification and photographic evidence of the types, locations and boundary areas to any and all ERW within the area based on the survey.

As per IMAS the results from an NTS may replace previous data relating to surveys of the area. The NTS will be performed IAW section 8.22 of the IMAS.

**Step 2:** A Technical Survey (TS) is carried out, to obtain relevant information about the war activities in the area. With the information obtained from the TS an Implementation Plan (IP) is written up and sent to the client for approval.

**Step 3:** On approval of the IP by the client, clearances operations will commence using Battle Area Clearance (BAC) in accordance with IMAS 09.11. The outline concept of operations for the BAC clearances, subject to client agreement, is as follows:

- A Control Point (CP) will be established from where the BAC will be managed.
- An 2m accesses lane will be established, from the CP to the BAC site and marked in accordance to IMAS 8.4
- A perimeter will be established and marked in accordance to IMAS 8.4



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

**Step 4:** BAC Procedure will be carried out in accordance to IMAS 09.11

- Team one will do visual search of the entire BAC site, removing all surface scrap metal and UXO's. All UXO's found will have GPS reading taken and documented.
- Team two will establish and mark 50m x 50m boxes throughout the site.
- On completion of the visual search team one will clear the 50m x 50m boxes using the large loop method to a depth of 2meters.
- On completion of marking the 50m x 50m boxes team two will manually clear any readings given by the Large Loop.
- All UXO's found all UXO's found will have GPS reading taken and documented and if safe to move will be move to a storage point to await the Iraqi military to dispose of. UXO's found that are unsafe to move will be marked GPS reading taken and documented, and disposed of in situ.

**Step 5:** Post Clearance Documentation

- On completion of the BAC task a clearances certificate and handover document will be provided to the client.
- On completion of the clearance, Al Khebra Al Fania will hand over the cleared site to the client or to its nominated contractor (construction contractor for example). It is vital that control of the site or a guard is placed on it, upon completion of the clearance, and maintained so that there is no risk of re-contamination Site diary.
- A copy of all documents from the site will be given to the client.
- The documents are as follows:
  - a. Visitor's log
  - b. Incident reports
  - c. Internal QA/QC
  - d. External QA/QC
  - e. Survey report
  - f. Work order





إزالة الألغام والمخدرات غير المتفجرة  
MINE & UXO CLEARANCE

## Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability

- g. Implement Plan
- h. Items found
- i. None-conformance reports

### **Quality Assurance and Quality Control (QA/QC) Services**

Al Khebra Al Fania also offers competitive external IMAS compliant QA/QC services to assist our clients who are currently running or will run a clearance operation. Our team will work seamlessly with your chosen demining contractor to provide the proper level of IMAS over watch of the clearance and provide the feedback specified by the client.

Al Khebra Al Fania is your choice for the safe, rapid, cost effective and quality controlled clearance of the land that your company needs to develop, work and live on.

We look forward to providing our services to your company.

Sincerely,

B. F. Burnham: Program Manager

Mobile Phone: 00964 (0)7814509408

Email Address: [bf.burnham@alkhebraalfania.com](mailto:bf.burnham@alkhebraalfania.com)

Website: [www.alkhebraalfania.com](http://www.alkhebraalfania.com)



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

### **Al Khebra Alfnea COMPANY INFORMATION FOR: PREQUALIFICATION AS A VENDOR, CONTRACTOR**

#### **1. Company Profile Information**

- 1.1** Complete Legal Company Name: [Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability](#)
- 1.2** Established as: [A Private Corporation; Mr. Sadoon Elakabi, an Iraqi is the 100% owner. The company shares are not publically traded on a stock exchange.](#)
- 1.3** Country of Establishment: [Iraq](#)
- 1.4** Relevant Principal Services Offered for Mine, UXO and ERW Scope of Services:  
[The Company is licensed by the Iraqi Government to provide Mine Clearance, Demining and Detection and removal of Unexploded Ordnances. We offer:](#)
  - 1.4.1** [Land: Technical Survey](#)
  - 1.4.2** [Land: Survey & Clearance](#)
  - 1.4.3** [Land: QA/QC](#)
  - 1.4.4** [ERW/Mine Risk Awareness Education](#)
- 1.5** Number of Regular Employees: [52](#)
- 1.6** Number of Contract Employees: [We have a data base of 50 qualified and current personnel for surge capacity subject to availability. In addition we have the capacity to increase as per the contract requirements to whatever extent within a 28 day period.](#)
- 1.7** Date Established: [12<sup>th</sup> Dec 2010](#)
- 1.8** Main Office Physical Street Address: [House 10, Street 13, Section Mahala, Al Atar, Karada](#)
- 1.9** City & State or Province: [Baghdad](#)
- 1.10** Country: [Iraq](#)
- 1.11** Contact Phone Number: [\(00964 \(0\) 7814509-408\)](#)
- 1.12** Web Site Address: [www.alkhebraalfania.com](http://www.alkhebraalfania.com)
- 1.13** Contact Email Address: [bf.burnham@alkhebraalfania.com](mailto:bf.burnham@alkhebraalfania.com); [info@alkhebraalfania.com](mailto:info@alkhebraalfania.com)
- 1.14** Main Office Mailing Address: [House 10, Street 13, Section Mahala, Al Atar, Karada](#)
- 1.15** City: [Baghdad](#)



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

**1.16 Country:** Iraq

**1.17 Names, nationalities and countries of residence of all officers, directors, managers, or other employees with executive or management authority: who will perform services on behalf of the company under any contract.**

Mr. Sadoon Elakabi, Iraqi, Iraq, Owner

Thaer Muhsen, Iraqi, Iraq, General Manager

B. Franklin Burnham, United States, USA, Program Manager

David Alderson, United Kingdom, UK Operations Manager

**1.18 Officers, directors, managers who hold director, officer or other management positions with other companies, businesses, or entities.**

Mr. Sadoon Elakabi also holds position of General Manager of: Al Iraq Al Moa'ser Company for General Contracts LTD (ALMCO). ALMCO is a company incorporated in Baghdad, Iraq.

**1.19 Relationships with Governments and Public International Organizations.**

Definition:"Official" means any agent, officer, or employee (elected, appointed, or career) of (1) a government or any department or agency of a government at the federal, regional or local level; (2) a political party or candidate for political office; (3) any company in which a government holds a substantial ownership interest, including a national oil company; or (4) a public international organization such as the World Bank, the United Nations or the International Monetary Fund.

Al Khebra Al Fania has no persons with direct or indirect ownership interest in the company or business who are:

- i) Officials: **None**
- ii) Close relatives of Officials: **None**
- iii) Prior Officials: **None**
- iv) Involved in any business relationship, including acting as an agent or consultant for, or holding common ownership of any business enterprise or partnership with, any Official or close family member of a Official: **None**





## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

### **2. References**

(1) ENI / SAIPEM, Mr. Roberto Bartolucci, Email: [Roberto.Bartolucci@saipem.eni.it](mailto:Roberto.Bartolucci@saipem.eni.it)  
Mobile: +971501002717

(2) Petrofac, Mr. Karim Osseiran, email at [Karim.Osseiran@petrofac.com](mailto:Karim.Osseiran@petrofac.com), mobile at +971504621941.

### **3. Al Khebra Alfnea Contact Information (for UXO, Mine, ERW ITT Process):**

2.1 Contact Name: B. F. Burnham

2.2 Contact Address: [Almco Camp, Basrah International Airport](#)

2.3 City & Province: [Basrah, Basrah Province](#)

2.4 Country: [Iraq](#)

2.5 Contact Mobile Number: [\(00964 \(0\) 7814509-408\)](#)

2.6 Contact Email Address: [bf.burnham@alkhebraalfania.com](mailto:bf.burnham@alkhebraalfania.com)

### **4. Parent Company Information: [None, Al Khebra Alfnea is not owned or controlled by a parent company](#)**

#### **4.1 General Corporate Data:**

[This is to inform you that Al Khebra Alfnea is a newly incorporated licensed demining company with operations of one year. As a result, audited financials are not generated. Unaudited financials from inception through Aug 11. In addition, Merging of Accounts letter is available on request.](#)

[The bidder is affiliated with the Almco Group. Audited financials for ALMCO are available on request and provide for the current period and the last three years.](#)

#### **4.2 Sureties:**

If Al Khebra Alfnea is assessed by the Client Company to be financially inadequate in relation to the size of the project:

- 4.2.1** [Although not a parent company of Al Khebra Alfnea, Almco Group would be willing to provide a corporate guarantee for the demining efforts.](#)



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

**4.2.2** Al Khebra Alfnea and Almco Group would be prepared to provide a bank guarantee from a bank, or banks, that have a credit rating of AA or better by S&P, Moody's or equivalent rating agencies at its own cost.

**4.2.3** Name and registered location of the bank(s) that may issue bank guarantees/ letters of credit upon the successful award of a contract.

Credit Bank of Iraq, Baghdad, Iraq

### **4.3 Information Brokering:**

**4.3.1** Al Khebra Alfnea has a policy to address information brokering.

**4.3.2** See Al Khebra Alfnea Company BUSINESS ETHICS POLICY POL-C-1040.

**4.3.3** No one in the Al Khebra Alfnea Company has ever been convicted of illegal information brokering.

## **5. Project Execution**

**5.1** Al Khebra Alfnea will provide in house services for:

Land Technical Survey, Land Survey and Clearance and Land QA/QC.

**5.2** Al Khebra Alfnea will not be using a sub-contractor for Client Company Projects at this time.

**5.3** Al Khebra Alfnea will not be executing Client Company Projects as part of a Joint Venture.

## **6. Al Khebra Alfnea Company, Past Project Experience**

**6.1** Demining services performed for the Baker Hughes Headquarters located in N. Rumaylah, Iraq. This project was a Battle Area Clearance of an area of 250,000m<sup>2</sup>. The depth of the overall search was 50cm with specified deep search areas for foundations and utilities down to 4m. No UXO or mines were found and only minor and safe to move Explosive Remnants of War such as smoke grenades were discovered during the search. The project lasted for 11 days and occupied a total of 1,584 man hours of work and was completed on the 20<sup>th</sup> of December 2009. This project was a firm fixed unit rate type with a total invoice of \$120,000/- USD. Contact: Mr. Andrew Tosh Regional Security Director Baker Hughes Middle East Asia Pacific. Office: +971 (0) 48114445; Fax: +971(0) 48114010; Cell: +971 (0) 566035814; Email: [andrew.tosh@bakerhughes.com](mailto:andrew.tosh@bakerhughes.com)



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

**6.2** Demining services performed for the ENI/Saipem on the initial headquarters located in Zubair, in the SOC Burgesya area of Iraq. This project was a Battle Area Clearance of an area of 250,000m<sup>2</sup>. The depth of the overall search was 50cm with specified deep search areas for foundations and utilities down to 6m. No UXO or mines were found during the search of the highly scrap metal contaminated area. The project lasted for 15 days and occupied a total of 2,080 man hours of work and was completed on 25<sup>th</sup> of September 2010. This project was a firm fixed unit rate type with a total invoice of \$175,000/- USD. Mr. (1) ENI / SAIPEM, Mr. Roberto Bartolucci is the point of contact for this project, Email: [Roberto.Bartolucci@saipem.eni.it](mailto:Roberto.Bartolucci@saipem.eni.it) Mobile: +971501002717

**6.3** Demining services performed for Baker Hughes Integrated Operations for 11 oil well pads and associated access roads within the Basrah Province area of Iraq. The well pad locations were in the Hammer, Zubair, Sheiba and Safwan areas. These were Battle Area clearance projects with a specified clearance depth of 50cm. UXO were removed from these locations and were mortar and artillery shell in nature. These project sites began in November of 2010 and ended in April of 2011. Each project site lasted an average 4 day period of time each with a total of 44 working days and a total of 6,336 man hours of work. These projects were a firm fixed unit rate type with a total invoice of \$288,000/- USD. Contact: Mr. Andrew Tosh Regional Security Director Baker Hughes Middle East Asia Pacific. Office: +971 (0) 48114445; Fax: +971(0) 48114010; Cell: +971 (0) 566035814; Email: [andrew.tosh@bakerhughes.com](mailto:andrew.tosh@bakerhughes.com)

**6.4** Demining services performed for the Baker Hughes Headquarters Extension located in N. Rumaylah, Iraq. This project was a Battle Area Clearance of an area of 89,600m<sup>2</sup>. The depth of the overall search was 6m. No UXO or mines were found and only minor and safe to move Explosive Remnants of War such as expended fragments and rifle magazines were discovered during the search. The project lasted for 7 days and occupied a total of 1,344 man hours of work and was completed on the 12<sup>th</sup> of August 2012. This project was a firm fixed unit rate type with a total invoice of \$65,803/- USD. Mr. Mohamed Saeed was the lead representative for Baker Hughes. He can be reached by email at [Mohamed.Saeed@bakerhughes.com](mailto:Mohamed.Saeed@bakerhughes.com) and by mobile at +9647801968520 in Iraq.



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

### **7. Al Khebra Alfnea Company Capabilities**

**7.1** Al Khebra Alfnea is a fully Iraqi owned Demining and UXO clearance company that has full licensing and accreditation to conduct demining and UXO clearance operations throughout Iraq.

We strive to deliver the very best service in a timely and cost effective manner, always in accordance with the International Mine Action Standards (IMAS) and the Iraq National Mine Action Standards (INMAS).

#### **7.2 Management & Execution Expertise**

Al Khebra Alfnea is managed at the senior levels by an integrated combination of Iraqi and Expatriate leadership. The Iraqi General Manager and an American Expatriate Program Manager together focus the considerable experience of its Iraqi and Expatriate staff.

In addition we have an experienced and accredited United Kingdom Operations Manager who with the Iraqi Field Operations Manager (a retired Iraqi Colonel) manages the demining staff. This integrated management style combines the best of both and ensures that all fully understand and comply with the contract specifics enabling Al Khebra Alfnea to rapidly and safely execute the most daunting of tasks to standard.

#### **7.3 Supervisors**

Al Khebra Alfnea has a qualified manager at each critical node within the company to focus the efforts of those departments, such as Administration, Demining, IMAS, IT, Logistics, Quality Control, Medical and Accounting. The Demining Section Leader is a retired Iraqi Army Coronel, he manages the efforts of the demining Section, which is comprised of three demining teams and the medical section. The Team Leaders in turn manage the respective demining teams comprised of an Assistant Team Leader and eight de-miners. This is the core of the company and contract dependent can be surged in capacity to meet the demands of the contract requirements.

#### **7.4 Labor**

The remaining Iraqi staff of our company consists of men who spent years in the Iraqi Army and the Engineer corps.



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

The Iraqi field de-miners are all fully trained in accordance with the IMAS. In addition the field demining staff is fully versed and proficient with the specialized search equipment which is unique to Al Khebra Alfnea.

### **7.5 Equipment and Organization**

Al Khebra Alfnea utilizes the latest versions of search equipment available. We have had specialized equipment constructed to our needs by the Ebinger company of Germany.

**7.5.1** We utilize for Battle Area Clearances the Ebinger UPEX 740 L Metal Detector. Pulse Induction type. IMAS 03.10 compatible. All Weather, Suitable for UXO and ERW detections Depth Range to 2m. Submersible search head; Suitable for in water work; Linear and logarithmic indications; fragmentation rejection compatible; Includes soil compensation capability. These machines are mounted on a wheeled cart which is operated by a single de-miner and can cover a lane 2m wide at one time with the operator at a slow walk.

**7.5.2** When deeper searches are required we utilize the Ebinger Magnex 120 LW Magnetometer, IMAS 03.10 compatible. All Weather, Suitable for UXO and ERW detections as well as pipeline and cable locates, Depth Range to 6m. Suitable for over water work. The five channel Magnex 120 LW which has the ability to detect UXO, pipelines and any object yielding a magnetic signature. This is a wheeled cart mounted magnetometer with a search width of 2m and a forward speed of a slow walk. In addition these units are outfitted with the EPAD data logging device and software, which greatly reduces the amounts of false readings that require investigation. These detectors were specifically built by Ebinger of Germany to our specifications. This truly amazing equipment directly reduces resources and expenses on the tasks as well as saving time, such as the multiple excavations that were in the past and are required with other search methodologies necessary to complete the deeper searches.

**7.5.3** For specific target location and exposure for clearance of objects we utilize the Ebinger EBEX 422 GC Handheld Metal Detector. IMAS 03.10 compatible. All Weather, Suitable for Mine detection in dry and wet soil. High sensitivity metal detector with active ground compensation to detect the smallest metal parts to otherwise metal free mines to a depth of 20cm in varying soil conditions including the high salt and mineral areas of Iraq.



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

### **7.6 Services, Mission, Vision and Goals**

Al Khebra Alfnea Demining Services are inclusive of all documents and reports for all phases of required demining and UXO clearance, site assessment, technical surveying, demining and UXO clearance, all in accordance with the requirements defined by the client prior to the commencement of work, and according to standards and specifications defined by the client.

Al Khebra Alfnea Company is a proven demining specialist in Iraq to provide the best possible solutions to our clients at competitive pricing, with our critical concern being the delivery of services to the satisfaction of the client and compliance with required laws and approved procedures. Al Khebra Alfnea provides key management control over operations to ensure the delivery of service meets the strict requirements of our international clients and adherence to international standards. We are committed to ensuring strict quality control in the delivery of services, especially with operations such as mine and UXO clearance, to ensure the safety of our clients and personnel.

The benefit of using Al Khebra Alfnea to conduct demining and BAC operations in Iraq is that we are self-sufficient, timely and cost effective and work in harmony with our local communities.

We provide internationally qualified Expatriate Quality Assurance personnel for overall Demining Project Management who attend the site and monitor all demining operations daily. These personnel ensure compliance with recognized International Demining and Health Safety and Environment (HSE) standards.

Al Khebra Alfnea personnel conduct the quality surveys and certify the area as clear of UXO's, ERW and mines.

#### **7.6.1 Quality Control**

Daily quality control checks will be conducted, with additional quality control inspections performed after the completion of each area. This will be achieved by randomly checking a minimum of 10% of the area is clean from mines and UXO. Any failure to meet the quality control requirements will result in the re--searching and clearance of the area.

A Quality Control report from the Safety Manager will be presented to the Operation Manager at the completion of QC inspections.





## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

### **7.6.2 Certification**

All work is conducted in accordance with the International Mine Action Standards (IMAS) and the Iraq National Mine Action Standards (INMAS). A witnessed certificate of clearance is provided confirming the clearance of the site to the depth of investigation. A report is provided detailing any items found, location of find and action taken. The contractor performing the demining operation is licensed to operate as a demining contractor in Iraq, approved and registered with the National Mine Action Authority (NMAA) in Iraq.

### **7.6.3 Mine awareness training for field personal**

Mine awareness training will be carried out for all client personnel that will enter the site, as part of their normal day--to--day work. Additionally, selected other client personnel who may occasionally need to visit the sites, will also be trained as required to IMAS in mine and UXO awareness for the safety of all in the workplace.

Al Khebra Alfnea conducts routine “tool box” safety chat sessions to capture the aspects of the clearance and to reinforce company, client and IMAS safety standards.

## **8. Introduction to Battle Area Clearance (BAC)**

BAC operations involve the location and disposal of ERW, including UXO, but not Mines, over specific areas, which may include battlefields, defensive positions and sites where air delivered or artillery munitions, including cluster munitions, have been fired or dropped.

The reporting procedures for a Minefield Clearance are the same as for BAC.

### **8.1 Report system based on daily information**

The daily report consists of:

- 1) The Square Meters (SQM) cleared for the day.
- 2) A sketch of the cleared area including any finds.
- 3) Detailed description of work carried out that day.
- 4) Work to be done the following day.



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- 5) Issues affecting operations and solutions to the issues.
- 6) Photos of the operations and issues of the day.

### **8.2 Dissemination of information regarding location of mines**

Should the search encounter mines the BAC task will immediately revert to a Demining Clearance and the approved and established procedure for a mine field clearance will be enacted until the field is deemed clear of mines. Dissemination of information will be conducted according to the Iraqi Mine Action Centre (IMAC) direction and IMAS standards. In summary the following steps are taken:

- Differential Global Positioning System (DGPS) and a GPS reading is taken of item found.
- Regional Mine Action Center (RMAC) and the Client informed of find.
- Iraqi Military requested to clear/dispose of items found.

### **8.3 The Al Khebra Alfnea approach to UXO and Demining clearances**

The approach steps taken to each demining task, which will be carried out to complete the task in a safe and IMAS compliant manner are:

**Step 1:** A Level One Survey is carried out, to obtain relevant information about the war activities in the area. With the information obtained from the Level One Survey an Implementation Plan (IP) is written up and sent to the client for approval.

**Step 2:** On approval of the IP by the client, clearances operations will commence using Battle Area Clearance (BAC) in accordance with IMAS 09.11. The outline concept of operations for the BAC clearances, subject to client agreement, is as follows:

- A Control Point (CP) will be established from where the BAC will be managed.
- 2m accesses lane will be established, from the CP to the BAC site and marked in accordance to IMAS 8.4
- A perimeter will be established and marked in accordance to IMAS 8.4



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

- Highly recommended by Al Khebra Alfnea is the client approved addition of a minimum 6m safety buffer zone around the client specified worksite. Al Khebra Alfnea has found this to be an effective safety management tool to reduce the possibility of follow on workers to the clearance from straying outside the cleared area during the client construction phases.

### **Step 3: BAC Procedure will be carried out in accordance to IMAS 09.11**

- All teams will conduct a visual search of the entire BAC site, removing all surface scrap metal and surface UXO's/ERW that have been determined safe to move. All UXO's found will have DGPS/GPS reading taken and documented. All UXO/ERW will be moved to the Explosive Destruction Pit.
- Team two will establish and mark 50m x 50m boxes throughout the site.
- On completion of the visual search team one will begin to clear the 50m x 50m boxes using the large loop method to a depth of 2meters.
- On completion of marking the 50m x 50m boxes team two will manually clear any readings given by the Large Loop utilizing the handheld detectors using manual clearance methods and safety protocols.
- All UXO's found all UXO's found will have GPS reading taken and documented and if safe to move will be move to the Explosive Destruction Pit to await the Iraqi military to dispose of. UXO's found that are unsafe to move will be marked GPS reading taken and documented, and disposed of in situ by the Iraqi military.
- On completion of the BAC task a Clearance certificate and Handover document will be provided to the client.
- On completion of the clearance, Al Khebra Alfnea will hand over the site in a cleared state to the client or to its nominated contractor (construction contractor for example). It is vital that control of the site or a guard is placed on it, upon completion of the clearance, and maintained so that there is no risk of re-contamination.
- A copy of all documents from the site including the site diary will be given to the client.



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

### **Step 4: Post Clearance Documentation**

- a. Visitor's log
- b. Incident reports
- c. Internal QA/QC
- d. External QA/QC
- e. Survey report
- f. Work order
- g. Implement Plan
- h. Items found
- i. None conformance reports
- j. Site diary

### **9. Company Office Locations & Registrations**

**9.1** The Basrah Office for Al Khebra Alfnea is located currently at the Almco Camp, Basrah International Airport, Basrah, Iraq.

**9.2** Additionally we have a Baghdad Office, which is located at:

House 10, Street 13, Section Mahala, Al Atar, Karada, Baghdad, Iraq

**9.3** We maintain in N. Rumaylah a site location for additional support to the client task should this be needed. This facility is within an hour's driving time to Basrah City, it covers an area of 160,000m<sup>2</sup> and houses our additional equipment such as excavators.

**9.4** See Appendix 1 for certificates, with English translation for IMAS Accreditation and Iraq Ministry of Environment Certification for Demining, UXO and ERW activities.

### **10. Current Operations in Iraq:**

**10.1** Al Khebra Alfnea has recently completed demining services for the Petrofac Headquarters located in N. Rumaylah, Iraq. This project was a Battle Area Clearance of an area larger than 107,000m<sup>2</sup>. The depth of the overall search was 3m. UXO and ERW were discovered during the search and safely moved to the Explosive Destruction Pit located off of the client site to await the Iraqi military to collect or dispose of. The project lasted for a total of 24 days including mobilization and permitting.



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Actual on site clearance work lasted for 13 days and occupied a total of 2,028 man hours of work and was completed on the 26th of November 2011. This project was a firm fixed unit rate type with a total invoice of \$86,000/- USD. Mr. Karim Osseiran was the lead representative for Petrofac. He can be reached by email at Karim.Osseiran@petrofac.com and by mobile at +971504621941.

**10.2** Al Khebra Alfnea is currently executing aspects of a three year contract with Baker Hughes International Integrated Operations Division providing External Quality Assurance and Quality Control for demining operations for oil well sites in the Zubair field.

### **11. Quality/ Control of Measuring and Test Equipment.**

**11.1** Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability utilizes the IMAS 07.10 Demining Management as our base for Quality Standards in conjunction with the guidelines of the ISO 9001:2008 system from which our companies Quality Assurance Policy and System have been tailored to while we work towards an accreditation to the ISO.

**11.2** Table of Contents to the Al Khebra Alfnea Company POL-C-1030 Quality Assurance Policy.

<b>Section</b>	<b>Title</b>	<b>Page</b>
1.0	Purpose	1
2.0	Revision History	1
3.0	Definitions	1
3.1	Quality Control (QC)	1
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3.3	Quality Assurance (QA)	1
3.4	Quality Manual	1
3.5	Quality Manual Elements	2
3.6	Quality Plan	2
3.7	Quality Assurance Policy	2
3.8	Quality System	2



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

<b>Section</b>	<b>Title</b>	<b>Page</b>
4.0	Persons Affected	2
5.0	Policy	2
5.1	Quality Management System	2
5.2	Quality Policy Statement	3
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5.4	Organization	5
5.5	Policy Implementation	8
5.6	Policy Control	8
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5.8	Operating Procedures	9
5.9	Systems Outline	9
5.10	Management Review	9
5.11	Quality System Procedures	10
5.12	Contract and Capability Review	11
5.13	Documentation and Records Control	12
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5.15	Client Supplied Products	13
5.16	Process Control	14
5.17	Reports, Products and Client Relations	15
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5.20	Control of Non-Conforming Products	16
5.21	Corrective and Preventative Action	17
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## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

<b>Section</b>	<b>Title</b>	<b>Page</b>
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5.27	Demining	21
5.28	Client Confidentiality and Code of Ethics	21

### **11.3 Quality positions and responsibilities of corporate and project quality organizations**

Al Khebra Alfnea Company Quality Assurance Quality Control Policy for a description of these, including the required qualifications and related experience.

### **11.4 Corporate and project quality organizations reporting relationships**

Al Khebra Alfnea Project Team Organizational Chart which indicates the reporting procedure and communications diagram indicating the interrelationships.

### **11.5 Al Khebra Alfnea Company program for calibration of test instruments**

Al Khebra Alfnea Company utilizes the organic staff members who have attended the Ebinger factory calibration and test procedures training in Germany to calibrate our test equipment in country. When the equipment is no longer holding the factory set calibrations and cannot be recalibrated in country the item is returned to the Ebinger factory in Cologne Germany for repair. In addition we maintain a balance of equipment and a rotation plan to prevent shortages during the factory recalibration should that become necessary.

### **11.6 Calibration**

Al Khebra Alfnea utilizes the Ebinger factory in Cologne Germany for the calibration of test equipment that is beyond the scope of our technicians or those that are in need of a factory set. Al Khebra Alfnea maintains a stock overage of key components to avoid delays due to shipping.

### **11.7 Inspections and test instruments identification**

Al Khebra Alfnea maintains a list of all test instruments, to include the inspection date, the last calibration date and the next calibration date due for each demining instrument.

Al Khebra Alfnea Company Equipment Inventory, Inspection and Calibration is available on request.



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

### **11.8 Recording of calibration dates and re-calibration due**

Al Khebra Alfnea maintains a list of all test instruments, to include the inspection date, the last calibration date and the next calibration date when due for each demining instrument. In addition we maintain a per item marking tag with the next calibration due date on them that is in accordance with the above mentioned Appendix.

### **11.9 Record cards for tools and instruments**

Al Khebra Alfnea maintains a list of all test instruments, to include the inspection date, the last calibration date and the next calibration date when due for each demining instrument.

### **11.10 Standard for calibrated inspections on equipment**

Al Khebra Alfnea Company utilizes the manufacturers recommended procedures and time schedule for the calibration is due for each demining instrument. In addition the manufacturer guidelines on when an instrument is required to be re-calibrated due to shock or damage is adhered to.

### **11.11 Removal from service of equipment that has exceeded its calibration period**

Al Khebra Alfnea Company maintains a list of all test instruments that have reached their calibration date. These instruments are then removed from the active use category by being designated "U" for Unserviceable. These instruments are then re-calibrated and returned to stock by being designated "S" for Serviceable or returned to the manufacture for factory repair and calibration.



## Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability

### 12. Safety

#### 12.1 Historical safety statistics for the following calendar years as formatted below.

Company Wide, Iraq	2009	2010	2011	2012 To Date
a) Work Hours, Man Hours	1,584	6,160	7,484	1,344
b) Number of Fatalities	0	0	0	0
c) Number of Lost Time Injuries (LTI)	0	0	0	0
d) Number of Restricted Work Injuries (RWI)	0	0	0	0
e) Number of Medical Treatment Injuries (MTI)	0	0	0	0

#### 12.2 Al Khebra Alfnea Lost Time Incident Rate

**LTI:** Work related injury or occupational illness, including a fatality, which results in at least one (1) lost workday after the day of the incident.

**WRI:** Work related injury or occupational illness that results in an individual being unable to perform one (1) or more of the routine functions of his or her job, or from working the full workday that he or she would otherwise have been scheduled to work on any calendar day after the day of the injury or illness.

**MTI:** Work related injury or illness where medical treatment (other than first aid) is required to combat disease or disorder.

#### 12.3 Past three years Lost Time Incident Rate ("LTIR") and Total Recordable Injury Rate ("TRIR").

Company Wide	2010	2011	2012
LTIR	0	0	0
TRIR	0	0	0

Note: The following formula was used to determine the Lost Time Incident Rate and the Total Recordable Incident rate.

$$\text{LTIR} = \frac{(200,000 \times \text{Number of Lost Time Injuries (c)})}{\text{Expended Work Hours (a)}}$$

$$\text{TRIR} = \frac{(200,000 \times \text{Number of Recordable Incidents (sum of b through e)})}{\text{Expended Work Hours (a)}}$$



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

### **12.4 Corporate Safety Policy and Safety Management System**

Al Khebra Alfnea Company POL-C-1015 HSE Manual Systems Policy for the company safety policy and Safety Management System, available on request.

### **12.5 Al Khebra Alfnea training and competency assurance program for maintaining qualified personnel.**

Al Khebra Alfnea Company utilizes our detailed Standard Operating Procedure as well as our Manual Demining and Battle Area Clearance training program to manage the competency of all personnel involved in demining or BAC operations. In addition and in accordance with IMAS we conduct three full training days prior to the start of any project. This training is tailored to the task at hand but always covers field safety discipline, medical casualty evacuation and first aid, manual demining and BAC operations at a minimum

### **12.6 Corporate Drug and Alcohol Policy**

Al Khebra Alfnea Company POL-C-1070 Drugs & Alcohol Policy, available on request.

### **12.7 Corporate new hire orientation program**

Al Khebra Alfnea Company incorporates the new hire orientation into the conduct of our three week, Path of Instruction (POI) for new de-miners that is in accordance with IMAS. This training is governed by our detailed Standard Operating Procedure as well as our Manual Demining and Battle Area Clearance training program.

### **12.8 Corporate training program for newly hired or promoted foremen and supervisors**

Al Khebra Alfnea Company prefers to promote from within first and foremost to ensure that the supervisor is fully versed with the company SOP and is operating in safe manner always. When the instance arises when a new hire is required that individual will shadow another supervisor for a demining operation to ensure that he is then fully versed with the company SOP and is operating in safe manner always. The ends state of any promotion or new hire training is to maintain the company operating procedures (that are IMAS compliant) in a safe manner while delivering to the client a time efficient and quality product.



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

### **12.9 Workplace Health, Safety and Environment (HSE) meetings for supervisors**

Al Khebra Alfnea Company conducts during the course of a demining operation a daily on site meeting with the supervisors from the Section Leader up to the Program Manager to capture the day's activities and to review any HSE oriented issues. The outcome of this meeting is to provide daily steering guidance and direction to all supervisors where safety, occupational health and the environment are concerned.

In addition if there should be an incident involving an HSE related issue, then immediately following the resolution of the issue a "hot wash" meeting will be held to capture the incident and those aspects that need to be sustained or improved. The outcome of this "hot wash" will be actionable direction and guidance to all supervisors to be immediately enacted to prevent another occurrence and to maintain a safe and secure workplace for all.

### **12.10 Employee "toolbox" Health, Safety and Environment (HSE) meetings**

Al Khebra Alfnea Company conducts during the course of a demining or BAC operation a daily on site meeting with the supervisors from the Section Leader up to the Program Manager to capture the day's activities and to review any HSE oriented issues.

The outcome of this meeting is to provide daily steering guidance and direction to all supervisors where safety, occupational health and the environment are concerned.

### **12.11 Pre-task HSE planning meetings with employees**

Al Khebra Alfnea Company during the training period leading up to a task conducts HSE meetings with all employees to ensure all are versed in the company, client and national HSE policies and procedures.

### **12.12 Workplace HSE inspections**

Al Khebra Alfnea Company during the course of a demining or BAC operation conducts daily onsite inspections of the workplace with regard to HSE. These inspections are the remit of the QA manager.

Furthermore all employees are charge with awareness of HSE and have the obligation to call out any discrepancy noted at any time to their immediate supervisor.



**Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded  
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**12.13 Senior executive/manager responsibility for HSE program management and implementation at Al Khebra Alfnea Company**

B. F. Burnham, Program Manager

**TABLE OF APPENDICES FOR:** Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability  
Pre-Qualification as a Vendor / Contractor  
Available on request

<b>APPENDIX</b>	<b>TITLE</b>
A	Company Staff
B	AKAF Past Performance
C	Contractor Owned Equipment
D	AKAF PRELIMINARY PROJECT TEAM ORGANIZATION CHART
E	AKAF ACCREDITATION AND MOE DOCUMENTS
F	AKAF QA/QC POLICY
G	AKAF EQUIPMENT INVENTORY, INSPECTION AND CALIBRATION TRACKING
H	AKAF HSE POLICY
I	AKAF DRUGS AND ALCOHOL POLICY
J	AKAF COMPANY LICENSE DOCUMENTATION
K	AKAF BUSINESS ETHICS POLICY
L	AKAF FINANCIAL STATEMENT
M	MERGING ACCOUNTS DOCUMENTS
N	ALMCO AUDITED 2008 FINANCIALS
O	ALMCO AUDITED 2009 FINANCIALS
P	ALMCO AUDITED 2010 FINANCIALS
Q	DRAFT MANAGEMENT FINANCIALS OCT'2011





## Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability

### Al Khebra Alfnea Company Staff

Personnel Category (Home & Branch Office)	Number of Personnel			
	Total Current Staff		Currently Available for Work	
	Total Year' s Experience Permanent Employees	Total Years with Company Permanent Employees	As of Dec 2011 Permanent Employees	Anticipated growth by Feb 2013 Permanent Employees
Project Organization	222	1	48	64
• Project Management	70	1	3	0
• Operations Management	70	1	3	1
• Project Controls Manager/ Cost Engineer	5	1	1	0
• Subcontracts Manager	NA	NA	NA	1
• HSE Manager	5	1	1	0
• Quality Manager	5	1	1	1
• Safety, Health & Environment	5	1	1	0
• Construction Schedulers	NA	NA	NA	NA
• Document Control	5	1	1	0
• Site Survey Supervisor	5	1	1	1

Al Khebra Alfnea currently has a data base of 50 qualified de-miners to call on for surge capacity to add an additional section of three teams to the current manning.

We are in the process of starting up an additional 6 demining teams which will bring our capacity to 9 teams by February 2013.

In addition we have the capacity to increase as per the contract requirements to whatever extent within a 30 to 90 day period depending on the task.

**Current Al Khebra Alfnea Owned Equipment**

<b>CURRENT AL KHEBRA ALFNEA EQUIPMENT LIST</b>							
<b>TYPE</b>	<b>MANUFACTURER</b>	<b>MODEL NUMBER</b>	<b>SIZE/CAPACITY AND DEPTH</b>	<b>CURRENT LOCATION</b>	<b>IMPORT INTO IRAQ YES/NO</b>	<b>CONTRACTOR OWNED</b>	<b>LEASED</b>
DETECTOR	EBINGER	EBEX 422 GC	40 / MINE 20CM	Basrah	YES	YES	NO
DETECTOR	EBINGER	UPEX 740 L	12 / SHELL 2M	Basrah	YES	YES	NO
DETECTOR	EBINGER	MAGNEX 120 LW	20 / SHELL 6M	Basrah	YES	YES	NO
COMPUTER	EBINGER	EPAD	21/ DATA LOGGING	Basrah	YES	YES	NO
SOFTWARE	EBINGER	EPAS	5 / DATA RESOLUTION	Basrah	YES	YES	NO
VEHICLE	TOYOTA	LAND CRUISER	3 / 5 PASSENGER	Basrah	YES	YES	NO
VEHICLE	FORD	4X4 PICK-UP	1 / 1 TON	Basrah	YES	YES	NO
VEHICLE	MITSUBISHI	BUS	1 / 30 PASSENGER	Basrah	YES	YES	NO
VEHICLE	TOYOTA	4X4 PICK-UP	3 / 4 PASSENGER, ¼ TON	Basrah	YES	YES	NO
VEHICLE	TOYOTA	LAND CRUISER AMBULANCE	1 / 2 CASUALTY	Basrah	YES	YES	NO

## Projected Al Khebra Alfnea Owned Equipment

We are in the process of starting up an additional 6 demining teams which will bring our capacity to the below table by February 2013.

PROJECTED AL KHEBRA ALFNEA EQUIPMENT LIST							
TYPE	MANUFACTURER	MODEL NUMBER	SIZE/CAPACITY AND DEPTH	CURRENT LOCATION	IMPORT INTO IRAQ YES/NO	CONTRACTOR OWNED	LEASED
DETECTOR	EBINGER	EBEX 422 GC	72 / MINE 20CM	Basrah	YES	YES	NO
DETECTOR	EBINGER	UPEX 740 L	36 / SHELL 2M	Basrah	YES	YES	NO
DETECTOR	EBINGER	MAGNEX 120 LW	36 / SHELL 6M	Basrah	YES	YES	NO
COMPUTER	EBINGER	EPAD	37/ DATA LOGGING	Basrah	YES	YES	NO
SOFTWARE	EBINGER	EPAS	11 / DATA RESOLUTION	Basrah	YES	YES	NO
VEHICLE	TOYOTA	LAND CRUISER	9 / 5 PASSENGER	Basrah	YES	YES	NO
VEHICLE	FORD	4X4 PICK-UP	1 / 1 TON	Basrah	YES	YES	NO
VEHICLE	MITSUBISHI	BUS	3 / 30 PASSENGER	Basrah	YES	YES	NO
VEHICLE	TOYOTA	4X4 PICK-UP	9 / 2 PASSENGER, ¼ TON	Basrah	YES	YES	NO
VEHICLE	TOYOTA	LAND CRUISER AMBULANCE	3 / 2 CASUALTY	Basrah	YES	YES	NO



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EXISTING AKAF WORK				
SITE	CLIENT	END DATE	DESCRIPTION	AREA CLEARED M <sup>2</sup>
BH HQ	Baker Hughes	21/12/09	BAC/ERW Clearance of the BH HQ N. Rumaylah.	250,000
ENI HQ	ENI	23/09/10	BAC/ERW Clearance of the ENI HQ in Zubair.	250,000
ZB-111	Baker Hughes	20/11/10	BAC/ERW Clearance of the Well site, Entrance Road, Flare Pit Access Lane and Flare Pit.	28,089
ZB-74	Baker Hughes	21/11/10	BAC/ERW Clearance of the Well site, Entrance Road, Flare Pit Access Lane and Flare Pit.	34,231
ZB-155	Baker Hughes	12/02/2010	BAC/ERW Clearance of the Well site, Entrance Road, Flare Pit Access Lane and Flare Pit.	25,780
ZB-174	Baker Hughes	23/01/11	BAC/ERW Clearance of the Well site, Entrance Road, Flare Pit Access Lane and Flare Pit.	34,319
J-28	Baker Hughes	16/01/11	BAC/ERW Clearance of the Well site, Entrance Road, Flare Pit Access Lane and Flare Pit.	35,530
J-28 Additional	Baker Hughes	22/01/11	BAC/ERW Clearance of the Well site, Entrance Road, Flare Pit Access Lane and Flare Pit.	3,000
ZB-92	Baker Hughes	2/04/2011	BAC/ERW Clearance of the Well site, Entrance Road, Flare Pit Access Lane and Flare Pit.	25,731
ZB-184	Baker Hughes	13/02/11	BAC/ERW Clearance of the Well site, Entrance Road, Flare Pit Access Lane and Flare Pit.	25,097
ZB-173	Baker Hughes	3/02/2011	BAC/ERW Clearance of the Well site, Entrance Road, Flare Pit Access Lane and Flare Pit.	28,304
ZB-162	Baker Hughes	27/03/11	BAC/ERW Clearance of the Well site, Entrance Road, Flare Pit Access Lane and Flare Pit.	41,789
ZB-171	Baker Hughes	6/08/2011	BAC/ERW Clearance of the Well site, Entrance Road, Flare Pit Access Lane and Flare Pit.	28,910



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PIL HQ	PETROFAC	14/11/11	BAC/ERW Clearance of the PETROFAC HQ in N. Rumaylah.	107,931
BH HQ	Baker Hughes	13/08/12	BAC/ERW Clearance of the BAKER Hughes HQ Extension in N. Rumaylah.	89,600
TOTAL LAND CLEARED TO DATE				1,008,311

EXTERNAL QUALITY ASSURANCE / QUALITY CONTROL SERVICES				
SITE	CLIENT	END DATE	DESCRIPTION	AREA QA/QC
WI-031	Baker Hughes	14/03/2012	QA/QC Service of Demining contractor Al Safsafa for BAC/ERW Clearance of the Well site, Entrance Road, Flare Pit Access Lane and Flare Pit.	20%
WI-120S	Baker Hughes	21/03/2012	QA/QC Service of Demining contractor Al Safsafa for BAC/ERW Clearance of the Well site, Entrance Road, Flare Pit Access Lane and Flare Pit.	20%
WI-86N1	Baker Hughes	2/04/2012	QA/QC Service of Demining contractor Al Safsafa for BAC/ERW Clearance of the Well site, Entrance Road, Flare Pit Access Lane and Flare Pit.	20%

**DESCRIPTION OF WORKS AND CLIENT POINTS OF CONTACT:**

**1. BAKER HUGHES INTERNATIONAL**

Demining services performed for the Baker Hughes Headquarters located in N. Rumaylah, Iraq. This project was a Battle Area Clearance of an area of 250,000m<sup>2</sup>. The depth of the overall search was 50cm with specified deep search areas for foundations and utilities down to 4m. No UXO or mines were found and only minor and safe to move Explosive Remnants of War such as smoke grenades were discovered during the search. The project lasted for 11 days and occupied a total of 1,584 man hours of work and was completed on the 20<sup>th</sup> of December 2009. Mr. Peter Guest was the lead representative for Baker Hughes. He can be reached by email at [Peter.Guest@BakerHughes.com](mailto:Peter.Guest@BakerHughes.com) and by mobile at 07801968212 in Iraq.



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### **2. ENI**

Demining services performed for the ENI/Saipem on the initial headquarters located in Zubair, in the SOC Burgesya area of Iraq. This project was a Battle Area Clearance of an area of 250,000m<sup>2</sup>.

The depth of the overall search was 50cm with specified deep search areas for foundations and utilities down to 6m. No UXO or mines were found during the search of the highly scrap metal contaminated area. The project lasted for 15 days and occupied a total of 2,080 man hours of work and was completed on 25<sup>th</sup> of September 2010. Mr. Giuseppe Pagliaro was the lead representative from ENI/Saipem at that time.

He can be reached at: SECUR \_ Overseas Security Manager; Saipem S.p.A.;

Email: [Giuseppe.Pagliaro@saipem.com](mailto:Giuseppe.Pagliaro@saipem.com); Cell (Zurich): +41764239595; Office (Zurich): +41432102248; SatPhone: +881622477230.

Additionally Mr. Matteo Barbuto was also present in a managerial position with Saipem at that time and he can be reached at: Matteo Barbuto, SAIPEM Rumailah Base, Basrah – Iraq;

Email: [matteo.barbuto@saipem.com](mailto:matteo.barbuto@saipem.com); Email: [matteo.barbuto@sajer.net](mailto:matteo.barbuto@sajer.net); VOIP: +39.0721.1682245; Mobile: +964.7814613099 (Iraq); Mobile: +971.506340723 (UAE).

### **3. BAKER HUGHES INTERNATIONAL INTEGRATED OPERATIONS DIVISION**

Demining services performed for Baker Hughes Integrated Operations for 11 oil well pads and associated access roads within the Basrah Province area of Iraq. The well pad locations were in the Hammer, Zubair, Sheiba and Safwan areas. These were Battle Area clearance projects with a specified clearance depth of 50cm. UXO were removed from these locations and were mortar and artillery shell in nature. These project sites began in November of 2010 and ended in April of 2011. Each project site lasted an average 4 day period of time each with a total of 44 working days and a total of 11,616 man hours of work. Mr. Ibrahim Attereh is the now lead contact within the Baker Hughes Integrated Operations for reference. He can be reached by email at [Ibrahim.Attereh@BakerHughes.com](mailto:Ibrahim.Attereh@BakerHughes.com) and by mobile at 07801968210 in Iraq.



## **Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability**

### **4. PETROFAC**

Demining services for the Petrofac Headquarters located in N. Rumaylah, Iraq. This project was a Battle Area Clearance of an area larger than 107,000m<sup>2</sup>. The depth of the overall search was 3m. UXO and ERW were discovered during the search and safely moved to the Explosive Destruction Pit located off of the client site to await the Iraqi military to collect or dispose of. The project lasted for a total of 24 days including mobilization and permitting. Actual on site clearance work lasted for 13 days and occupied a total of 2,028 man hours of work and was completed on the 26<sup>th</sup> of November 2011. Mr. Karim Osseiran was the lead representative for Petrofac. He can be reached by email at [Karim.Osseiran@petrofac.com](mailto:Karim.Osseiran@petrofac.com) and by mobile at +971504621941.

### **5. QA/QC for BAKER HUGHES INTERNATIONAL INTEGRATED OPERATIONS DIVISION**

QA/QC services performed for Baker Hughes Integrated Operations for demining of oil well pads and associated access roads within the Basrah Province area of Iraq. The well pad locations are located in the Zubair field areas. These are QA/QC of Battle Area clearance projects with a specified clearance depth of 50cm. These project sites began in March of 2012 and are ongoing. Each project site lasts an average 4 day period of time each with an average of 128 man hours of work. To date there have been three QA/QC operations of these wells. Mr. Ibrahim Attereh is the now lead contact within the Baker Hughes Integrated Operations for reference. He can be reached by email at [Ibrahim.Attereh@BakerHughes.com](mailto:Ibrahim.Attereh@BakerHughes.com) and by mobile at 07801968210 in Iraq.

### **B. F. Burnham**

#### **Program Manager**

Al Khebra Alfnea Company for Mine Clearance and Detection of Unexploded Ordnance with Limited Liability

House 10, Street 13, Section Mahala, Al Atar, Karada, Baghdad, Iraq

Phone: 00964 (0)7814509-408





أجازة تفويض  
Accreditation

استناداً إلى الصلاحيات المخولة لنا تقرر منح شركة الخبرة الفنية لإزالة الألغام والمقذوفات غير المنفلقة أجازة تفويض العمل لغاية ٢٠١٣/٤/٢٧ و اعتباراً من تاريخ صدور هذه الشهادة لأعمال المسح العام والمسح التقني وعمليات الأزالة اليدوية للألغام والتطهير وتفجير المخلفات الحربية والتطهير السطحي لمناطق القتال والتطهير تحت السطح لمناطق القتال وأعمال السيطرة النوعية والتوكيد النوعي داخل العراق. لا يعمل بهذا التفويض ولا يعتمد به لتنفيذ الأعمال والأنشطة والعقود التي تمت قبل نفاذه .

In accordance with The authorities granted To us , It has been decided to give The Alkhebra Alfania Co. Mine Action / UXO Clearance accreditation permission to work up to (27/4/2013) , as of the issuing date of this certificate, to General Survey , Technical Survey , Manual Mine Clearance , Clearance , Destruction ERW , Battle Area clearance (Surface-Sub Surface), (QA&QC) . This accreditation must not be used to implement any work or activities or contracts which have been undertaken prior to the entry into force of this accreditation.

سركون لازار صليو  
وزير البيئة

Minisr Of Environment

٢٠١١/٤/٢٧

بسم الله الرحمن الرحيم

جمهورية العراق  
وزارة التجارة

دائرة تسجيل الشركات  
رقم مش-٠٢-٧٧١٢٢-٠٠٠٠٠٠  
تاريخ التأسيس: ٢٠١٠/١٢/١٢ م، ١٤٣٢/٠١/٠٦ هـ  
التاريخ: ٢٠١٠/١٢/١٢ م، ١٤٣٢/٠١/٠٦ هـ

### شهادة تأسيس شركة

استنادا الى قرارنا المرقم مش-٠٢-٧٧١٢٢-٠٠٠٠٠٠ والمؤرخ في ٢٠١٠/١٢/١٢ م، ١٤٣٢/٠١/٠٦ هـ، نصدر هذه الشهادة لأثبات  
واعتبارا من اليوم، تأسيس شركة

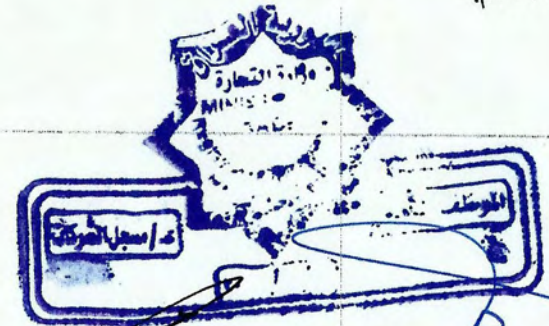
**الخبرة الفنية لازالة الالغام والكشف عن المقنوفات غير المنفلقة محدودة المسؤولية شركة خاصة**

**٣٠٠,٠٠٠,٠٠٠ ثلاثمائة مليون دينار**

اني، ووفقا لصلاحيتي مسجلا للشركات، أؤيد بالتاريخ المذكور اعلاه تسجيل الشركة المذكورة انفا طبقا لأحكام قانون الشركات .  
رقم ٢١ لسنة ١٩٩٧، المعدل، وان الشركة المذكورة تعتبر مؤسسة اعتبارا من اليوم .

كتب في بغداد، اليوم ٦ من شهر محرم لسنة ١٤٣٢ هـ، المصادف ليوم ١٢ من شهر كانون الاول  
لسنة ٢٠١٠ م.

خنساء اسكندر  
مسجل الشركات



**Republic of Iraq  
Ministry of Trade**

**Companies Registrar  
Ref No. M.SH-02-000077122  
Date of Establishment: 12<sup>th</sup> Dec 2010  
Date: 12<sup>th</sup> Dec 2010**

### **CERTIFICATE OF SETTING UP A COMPANY**

Reference to what has been decided in our decision No.M.SH./ 02-000077122 Dated on 12<sup>th</sup> Dec 2010 we issue this license to confirm and from the date of issue the establishment of the company:-

**Al Khebra Al Fania for Mine Action / UXO clearance LTD  
300,000,000 IQD**

I, the Companies Registrar certify that on the above mentioned date the above Mentioned company has been registered in accordance with the companies Law No.(21) for the year 1997, and the company will consider established from today.

Written in Baghdad on the 6<sup>th</sup> from Moharem for the year 1432 Hijri, which is the 12<sup>th</sup> from Dec for the year 2010.

Kansa Eskander  
The Companies Registrar





الى / شركة الخبرة الفنية لأزالة الألغام والمقذوفات غير المنفلقة  
العنوان / بغداد - عرصات الهندية - حي بابل - م ٩٢٩ - ز ٢٥ - د ٢٥  
م / تفويض مكتبي

تحية طيبة ...

كتايكم العدد ١١ في ٢٣/١/٢٠١١ .

بناء على المستمسكات الأصولية المقدمة من قبل شركتكم والخاص بطلب منح التفويض المكتبي لغرض ممارسة عمل بنشاط ازالة الألغام تقرر .:

١- منح شركتكم التفويض المكتبي بالانشطة التالية .:

١- المسح العام ب- المسح التقني ج- الازالة اليدوية للألغام د- التطهير ه- تفجير المخافات الحربية و- التطهير السطحي لمناطق القتال ز- التطهير تحت السطح لمناطق القتال ص- اجراء اعمال التأكيد النوعي QA والسيطرة النوعية QC س- التوعية بمخاطر الالغام .

٢- التفويض المذكور يقتصر على شراء أوراق المناقصة ( التندر ) فقط ولايحق لكم التعاقد الا بعد

الحصول على التفويض العملياتي .

للتفضل بالاطلاع مع ترحيب وزارتنا بتعاونكم من أجل عراق خال من الألغام خدمة للإنسانية

غني حمادي غضبان

المدير العام / وكالة

٢٠١١/١



نسخة منه الى

- مكتب الوزير / للتفضل بالاطلاع ... مع التقدير .
- مكتب الوكيل الفني / للتفضل بالاطلاع ... مع التقدير .
- مكتب المفتش العام / للتفضل بالاطلاع ... مع التقدير .
- مركز شؤون الألغام / المنطقة الجنوبية / للتفضل بالاطلاع ... مع التقدير .
- قسم التخطيط / للتفضل بالاطلاع ... مع التقدير .
- قسم الإدارة النوعية / نرفق بطيه ( SOP ) المقدم من قبل الشركة للتفضل بالاطلاع ودراسته لغرض منح التفويض العملياتي مستقبلا مع التقدير .
- لجنة دراسة أوليات الشركات والمنظمات / للتفضل بالاطلاع ... مع التقدير .
- قسم الشؤون القانونية مع الأوليات .

## Products and Services



UXO found and removed from Oil Well site

At Al Khebra Al Fania we use top of the line and the most efficient equipment in the field of Mine field and UXO clearing, such as:

**Ebinger Magnex 120 LW 5 Channel System**  
Magnetometer with a capability down to 6m.

**Ebinger UPEX 740 L**  
Large loop detectors with a capability down to 2m.

**Ebinger 422 GC Handheld Metal Detectors**  
Ebinger 422 GC Handheld Metal Detectors: high discrimination capability to detect the smallest portions of otherwise metal free devices.

**Ebinger EPAD Data Logging System**  
Accurately records the location of the object and through the advanced software enables the operator to determine the depth, the approximate size and the position of the project. EPAD saves time and costly excavations by more thoroughly discriminating targets.

### 1. Battle Area Clearances (BAC) including

Power line and pipeline easement clearing, Camp Clearing, well point clearance operations through manual or vehicle operations or with a combination of the two. AKAF provides complete services for the clearance of property from contamination by Mine, Unexploded Ordnance (UXO) and Explosive Remnants of War (ERW).

### 2. Minefield clearing using

Full manual demining, Mechanical Ground Preparation Machines, Explosive Detection Dogs (EDD), Mine Resistance Vehicle (MRV) applications or combination of methods. Minefield clearances involve the discovery of and the removal of land mines from the subject area.

### 3. Internal Quality Assurance/ Quality Control

AKAF utilizes its in house expatriate staff to conduct IMAS compliant QA/QC maintaining the highest of quality standards.

### 4. External Quality Assurance/ Quality Control

AKAF offers external IMAS compliant QA/QC services to assist our clients who are currently running or will run a clearance operation.

## Al Khebra Al Fania Company

House 10, Street 13, Section Al Atar, Karada,  
Baghdad, Iraq

Mr. Thaer Muhsen, General Manager  
thaer.alkinani@alkhebraalfania.com  
Phone: +964 (0)78071744480

BF Burnham, Program Manager  
bf.burnham@alkhebraalfania.com  
Phone: +964 (0)7814509-408



إزالة الألغام والقذوفات غير المنفلقة  
MINE & UXO CLEARANCE

# Al Khebra Al Fania

Iraqi Owned, Full Service  
Demining and UXO Company



Iraq has spent 30+ years of its modern history in armed conflict and many areas have been contaminated with mines and UXO because of the battles and the movement of military units across the country.

At Al Khebra Al Fania our records testify to the achievements in Battle Area and Mine clearing in Iraq, and show the full commitment that we have to participate in rebuilding the new Iraq. We are proud that we have the needed resources to operate on a professional level, with solid financial strength, a qualified and trained workforce, the right equipment and tools and the right execution for the designated job.



## Services and Equipment



Ebinger Magnex 120 LW  
5 Channel system

## About AKAF

AKAF is an Iraqi owned; Basrah based licensed and accredited demining company with the ability to spread its activities in many other locations across Iraq. AKAF has earned an excellent reputation for safety and quality while successfully completing many projects across Iraq.

AKAF offers Battle Area Clearances (BAC) as well as Minefield clearing solutions that leaves the job sites safe and ready for full commercial development in support for Oil and Gas construction in Iraq.

## Battle Area Clearance (BAC)

### Property Clearance

Many of our clients are requesting that the property under the clearance be cleared to varying depths for building foundations and site utility infrastructure. We accomplish this and return the land for commercial development in a timely and cost effective manner utilizing our state of the art equipment including Large loop Detectors, Magnetometers and integration software.

AKAF fully appreciates that each situation is unique and requires an approach tailored based on actual ground conditions and the actual needs of the clients.

Our qualified crew will save no effort to provide the safest and the most cost effective solution for our clients who are looking for the best results in the shortest time frame.



UPEX 740 L  
Large Loop detector cart

## Experience

Al Khebra Al Fania draws upon the considerable experience by its Iraqi staff, many of whom spent years in the Iraqi Army Engineers attaining ranks such as Colonel. In addition we are matched up with the Expat leadership from the Sabre International Security Demining Team who managed the clearing of the ground for the first O&G camp in North Rumaylah Iraq in 2009 and 2010 as well as many other tasks within the SOC for other O&G clients.



إزالة الألغام والمخدوفات غير المنفلقة  
MINE & UXO CLEARANCE

Al Khebra A Fania is your cost effective and timely solution for the project you have at hand. We stand ready to mobilize to your site to safely and professionally return the land for your full commercial development. Al Khebra Al Fania strictly follows all IMAS and Iraqi Mine and UXO Policies, Procedures and Laws.

### Contact Us

Mr. Thaeer Muhsen - General Manager  
thaer.alkinani@alkhebraalfania.com  
mobile: +964 (0)7801944490

Mr. B.F. Burnham - Program Manager  
bf.burnham@alkhebraalfania.com  
mobile: +964 (0)7814509-408

[www.alkhebraalfania.com](http://www.alkhebraalfania.com)



## شركة الخبرة الفنية لإزالة الألغام والأجسام غير المنفلقة

### مقدمة عن شركة الخبرة الفنية:

نحن شركة عراقية بالكامل تقدم خدمات في مجال إزالة وتطهير الأراضي من الألغام والأجسام الغير منفلقة ونمتلك كافة التراخيص والموافقات للقيام بهذا النوع من العمليات ونحن نضمن تقديم أفضل الخدمات وبجدول زمني محدد وبكلفة ذات فعالية وتستند كافة خدماتنا على السياقات الدولية في مجال الإزالة والتطهير IMAS وكذلك تستند عملياتنا على السياقات المحلية العراقية INMAS حتى الوصول إلى عراق خل تماما من كافة أنواع الألغام والأجسام الغير منفلقة الغير ضرورية.

وتم تشكيل هذه الشركة بالاعتماد على كادر خبير ومتخصص في مجال التطهير والإزالة ومعظمهم لديهم خبرة طويلة ضمن الهندسة العسكرية في الجيش العراقي بالإضافة إلى خبراء من الأجانب يعملون في شركة لديها خبرة تصل إلى 50 سنة.

ونتطلع للقيام بكافة أنواع المشاريع مثل تطهير حقول الألغام وتطهير ساحات المعارك من الأجسام الغير منفلقة وبأعماق حسب الطلب ولدينا فرع في مدينة البصرة ونحن على أهبة الاستعداد للقيام بالمشاريع وبالسريعة المطلوبة.

للمزيد من المعلومات عن الشركة والخدمات التي نقدمها الرجاء زيارة موقعنا الإلكتروني أو الاتصال على العنوان التالي:

السيد بي أف برنهام مدير المشاريع

هاتف : +9647814509408

البريد الإلكتروني : [bf.burnham@alkebraalfania.com](mailto:bf.burnham@alkebraalfania.com)

موقع الشركة الإلكتروني : [www.alkebraalfania.com](http://www.alkebraalfania.com)

أو الاتصال بـ:

السيد بول ستروا مدير العمليات

هاتف : +9647814509408

البريد الإلكتروني: [paul.strooh@alkebraalfania.com](mailto:paul.strooh@alkebraalfania.com)

### لماذا شركة الخبرة الفنية:

إن الفائدة من استخدام شركة الخبرة الفنية هو الحصول على مواقع مطهرة ونظيفة بالكامل من الملوثات لأن لدينا ثقة كاملة بأنفسنا للقيام بالمشاريع وبجدول زمني متميز وبكلفة مناسبة لأن عملياتنا تعتمد على التناسق التام والانسجام مع كافة مؤسساتنا المحلية ولدينا القابلية على تزويد الخبراء المتخصصين الأجانب في مجال السيطرة النوعية وإدارة كافة أنواع المشاريع والمتابعة والإشراف الكامل لعمليات الإزالة والتطهير اليومية وهؤلاء الخبراء يضمنون القيام بالعمليات كافة وحسب السياقات العالمية وسياقات السلامة وتوفير بي بي آي أمانة للقيام بالمشاريع ولشركتنا خبراء متخصصين في دراسة واستطلاع الأراضي وتقييمها وتزويد الوثائق لغرض تهيئة نوع عملية التطهير المطلوبة سواء كانت عمليات تطهير حقول الألغام أو التطهير فوق السطح.





## شركة الخبرة الفنية لإزالة الألغام والأجسام غير المنفلقة

### الخبرة الفنية:

إن شركة الخبرة الفنية هي شركة متخصصة ومثبتة في مجال الإزالة والتطهير والتي تزود أفضل النتائج لعملائنا وبأسعار مناسبة جدا مع اهتمامنا الكامل بتقديم أفضل الخدمات الممتازة لغرض إرضاء عملائنا وبالتناسق مع المتطلبات القانونية والسياقات المتطورة وتزود شركتنا سيطرة إدارية متكاملة لكافة العمليات لضمان تسليم خدمات تنسجم مع المتطلبات العالمية لعملائنا الدوليين وبالتناسق مع المعايير الدولية ونحن ملتزمون بضمان هذه السيطرة الإدارية لتقديم أفضل الخدمات وخصوصا في العمليات الخاصة بإزالة الألغام وتطهير ساحات المعارك للتأكد من رضا عملائنا كافة مع كوادرههم.

### معداتنا المتخصصة لتحديد مواقع الأجسام والبحث عنها:

لقد تم إضافة احدث الأجهزة العالمية المتخصصة في مجال الكشف والبحث عن الأجسام إلى قائمة معداتنا وأجهزتنا مثل كاشفة أنبجر المغناطيسية ذات الحساسات الخمسة (120LW) والتي لديها القدرة على كشف الأجسام الغير منفلقة أو الأنابيب أو إي جسم تحت الأرض له القدرة على بعث مجال مغناطيسي وبعث حتى 6 أمتار وهذه الكاشفة متصلة بجهاز حاسوب لتسجيل معلومات بيانية وهو ما يقلل من نسبة الخطأ التي قد تحصل عند قراءة بيانات الأجسام المدفونة والتي تحتاج إلى فحص وتدقيق وهذا الجهاز قد صنع خصيصا من قبل شركة أنبجر الألمانية وحسب مواصفات شركتنا وهو جهاز متخصص وفعال جدا يتم التحكم فيه لتفادي أي قراءة غير مطلوبة وهو ما يساعد على تفادي أي ضياع في الوقت اللازم لعمليات البحث والحفر لأجسام غير متفجرة بأعماق تصل إلى ستة أمتار وهذه المواصفات والمميزات لشركتنا تجعل من شركتنا الخيار الأفضل والحل الأمثل للتحديات في العمليات التي قد تواجه شركاتكم مثل تحديات الوقت ونوعية العمل الكاملة.

تضمن خدمات شركة الخبرة الفنية تزويد كافة الوثائق والتقارير الخاصة بكافة مراحل العمليات الخاصة بالتطهير مثل تقارير تقييم مواقع العمل والاستطلاع والدراسة الفنية وتقارير الإزالة والتطهير اليومية وجميع التقارير التي قد يطلبها العميل عند التقدم في مراحل العمل وبالتطابق مع مدى العمل المتفق عليه وبسياقات ووثائق قد يطلبها العميل.

### السيطرة النوعية :

سيتم وفي كافة العمليات تطبيق سيطرة نوعية وبشكل يومي وكذلك القيام بسيطرة نوعية إضافية وتدقيق بعد الانتهاء من أي عملية تطهير لأي موقع وسيكون هذا بشكل عشوائي بنسبة 10% من حجم الموقع الذي تم تطهيره وعند حصول أي خطأ في تطهير الموقع عند القيام بالسيطرة النوعية ستكون الشركة ملزمة بإعادة تطهير الموقع كاملا وأن تقرير السيطرة النوعية سيتم انجازه من قبل مدير السلامة في الموقع وسيتم تقديمه إلى مدير العمليات بعد الانتهاء من كافة عمليات السيطرة النوعية للموقع.



## شركة الخبرة الفنية المحدودة لإزالة وتطهير الألغام والأجسام الغير المنفلة

### الوثائق والتقارير:

إن جميع العمليات تطبق حسب السياقات الدولية لمعالجة الألغام IMAS وبضمنها الوثائق والتقارير مثل وثيقة تؤكد عمليات التطهير التي أنجزت حسب العمق المتفق عليه وكذلك تقارير توضح أنواع وتفصيل عن الأجسام التي تم العثور عليها يوم ١١ موقع الجسم والطريقة التي تم بها التخلص منه مع وثائق أخرى توضح الموافقات والرخص القانونية التي تسمح لشركة الخبرة الفنية للقيام بكافة أنواع الإزالة والمعالجة في العراق وهي موثقة ومثبتة من قبل الهيئة الدولية لمعالجة الألغام في العراق.

### عمليات التدريب للتوعية عن الألغام للأشخاص الذين قد يتواجدون في حقل العمل:

سيتم تقديم هذا النوع من التدريبات لجميع كوادر عملنا أو المتعاقدين الفرعيين الذين قد يرغبون في الحضور إلى موقع العمل لمتابعة العمل بالإضافة إلى الأشخاص الذين يختارهم العميل أحيانا لزيارة وتفقد تقدم العمل في الموقع سيتم تدريبهم أيضا حسب الحاجة.

### مقدمة عن عمليات التطهير فوق السطح BAC :

إن عمليات التطهير فوق السطح تشمل بشكل عام القيام بدراسة الموقع أولاً ثم المعالجة والتخلص من المخلفات العسكرية الغير منفلة مثل المتساقطات والمتفجرات المتروكة لكنها لا تشمل الألغام وهذه المواقع قد تكون ساحة معركة أو منطقة دفاعية عسكرية أو قد تكون مناطق تم فيها التعامل مع المواد العسكرية والذخائر أو تكون مناطق تم فيها إسقاط قنابل عنقودية وتعتبر مدينة البصرة نموذجاً مثالياً لهذه الأنواع من المواقع وبالأخص منطقة شمال الرميثة النفطية .

### نظام التقارير الخاص بالمعلومات اليومية:

وتشمل التقارير اليومية ما يلي :

- 1 - الأمتار المربعة التي تم تطهيرها في اليوم
- 2 - مخطط يوضح المساحة المطهرة
- 3 - تفاصيل عن العمليات التي تم تطبيقها وانجازها
- 4 - خطة العمل لليوم التالي
- 5 - المشاكل التي حصلت والطريقة التي عولجت فيها
- 6 - صور فوتوغرافية عن العمليات

### المعلومات العامة عن حقول الألغام :

سيتم تسليم كافة المعلومات وحسب السياقات الدولية المتبعة لمعالجة الألغام إلى الهيئة الدولية للمعالجة والهيئة المحلية في العراق وبشكل عام سيتم إتباع الخطوات التالية عند عمليات التطهير في حقول الألغام :

- اخذ قراءات تحديد المواقع GPS لأي لغم يتم العثور عليه



- تبليغ الهيئة الدولية والمحلية لمعالجة الألغام والعمل على اللغم التي تم العثور عليه
- الاتصال بالجيش العراقي والطلب منه القيام بعملية التخلص من اللغم .

## شركة الخبرة الفنية لإزالة الألغام والأجسام غير المنفصلة

المنهج العام لشركة الخبرة الفنية في عمليات الإزالة والمعالجة فوق السطح:

في جميع المهمات والعمليات الخاصة بالمعالجة فوق السطح BAC سيتم وحسب السياقات الدولية القياسية تطبيق الخطوات التالية:

- 1 - سيتم إجراء دراسة واستطلاع من المستوى الأول للحصول على معلومات تخص كل موقع مثل العمليات العسكرية التي حصلت فيها ومع هذا النوع من المعلومات سيتم تهيئة خطة عمل عامة وترسل إلى العميل لإبداء الرأي فيها
- 2 - عند موافقة العميل على خطة العمل سيتم المباشرة بعمليات التطهير على اعتبار أنها عمليات تطهير فوق السطح وتطبق كافة العمليات حسب السياقات الدولية القياسية المتبعة للمعالجة والتطهير الفقرة 9-11 وهذه العمليات تشمل :

- إقامة منطقة سيطرة إدارية حيث يتم فيها إدارة عمليات التطهير والإزالة
- إقامة ممر المدخل من المنطقة الإدارية إلى موقع العمل ويعرض 2 متر وتؤشر حسب السياقات الدولية الفقرة 4-8
- إقامة ممر حولي يحيط بكامل الموقع ويؤشر حسب السياقات الفقرة 4-8
- 3 - الشروع بعمليات التطهير فوق السطح وحسب الفقرة 9-11 من السياقات الدولية والتي تتمثل بما يلي :
- يباشر فريق من الشركة بعمليات البحث النظري عن الأجسام الظاهرة ولكافة مواقع العمل وإزالة الأجسام المعدنية التي يمكن رؤيتها على السطح بعد إن تؤخذ قراءات تحديد الموقع لها
- يباشر فريق آخر بتقسيم موقع العمل كاملا إلى مربعات بأبعاد 50 x 50 متر
- بعد إن ينتهي الفريق الأول من عملية البحث النظري يباشر بالكشف والبحث عن الأجسام المدفونة تحت السطح في داخل المربعات باستخدام جهاز اللوبي الكبير ويعمق 2 متر
- بعد إن ينتهي الفريق الثاني من عملية تقسيم الموقع يباشر بعمليات التنقيب والحفر عن القراءات ال تي يتم الحصول عليها من كاشفة اللوبي الكبير
- يتم أخذ مواقع القراءات GPS لأي جسم يتم العثور عليه وبعدها إذا كان من الآمن إزالته ينقل إلى المكان المخصص حتى يتم التخلص منه من قبل الجيش العراقي أما إذا كان غير آمن إزالته يترك في موقعه حتى حضور الجيش العراقي للقيام بعملية تدميره في موقعه أو التخلص منه
- بعد الانتهاء من عمليات التطهير كافة يتم تهيئة الوثائق الخاصة بالعمليات ووثائق التسليم إلى العميل
- بعد التوقيع على وثائق التسليم من قبل العميل ستقوم الشركة بتسليم الموقع إلى العميل أو من ينوب عنه

ومن الضروري جدا قبل وبعد الانتهاء من عمليات التطهير مراقبة وحراسة موقع العمل لضمان عدم تلوث الموقع مجددا بأي نوع من الأجسام الغير منفصلة



## شركة الخبرة الفنية لإزالة الألغام والأجسام غير المنفلقة

• تجهيز نسخ عن كافة التقارير ويتم تسليمها إلى العميل وهذه التقارير تشمل ما يلي :

- سجل الزائرين إلى موقع العمل
- سجل عن الحوادث التي حصلت
- تقرير سيطرة نوعية داخلية
- تقرير سيطرة نوعية خارجية
- تقرير الاستطلاع والدراسة
- وثيقة أمر الواجب
- خطة العمل
- سجل المواد التي تم العثور عليها
- تقرير عن الأخطاء والمشاكل الفنية إن وجدت

### خدمات السيطرة النوعية QA/QC :

تقدم شركة الخبرة الفنية أيضا خدمات في مجال السيطرة النوعية الخارجية لمساعدة عملائنا الذين لديهم مواقع قيد التطهير او الذين ينوون تطهير ومعالجة مواقع لديهم وسيقوم فريقنا بالعمل مع الشركة التي اخترتموها لعمليات المعالجة بسلاسة وانسجام تام لتوفير مستوى عال من المهنية في العمل وحسب السياقات الدولية في متابعة عمليات التطهير وتنفيذها حسب طلب العميل

إن شركة الخبرة الفنية هي الاختيار الأمثل للسلامة في العمل والسرعة في التنفيذ والكلفة الأنسب والنوعية الأفضل في تطهير الأراضي التي تمتلكها شركاتكم ونحن جاهزون لتنفيذ المشاريع لتوفير بيئة آمنة للعمل والسكن ونحن نتطلع إلى خدمتكم في أي وقت.

مع أطيب تحياتنا وتمنياتنا لكم بالنجاح

شركة الخبرة الفنية

السيد ثائر ألكناني المدير المفوض

عنوان البريد الإلكتروني [thaer.alkinani@alkebraalfania.com](mailto:thaer.alkinani@alkebraalfania.com)

رقم الهاتف: + 9647801944490



السيد بي أف برنهام مدير المشاريع

عنوان البريد الإلكتروني [bf.burnham@alkebraalfania.com](mailto:bf.burnham@alkebraalfania.com)

رقم الهاتف + 9647814509408