



DOK-ING
DEMINEERING Ltd.
UXOR Group



COMPANY PROFILE



Zagreb, 11/18/2013.



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1. DOK-ING Demining Ltd. history

DOK-ING Demining Ltd. is a privately owned limited liability company established under the laws and regulations of the Republic of Croatia. Its principal place of business and main office is in Zagreb, Croatia.

DOK-ING Ltd., DOK-ING's Demining Ltd. Mother Company, was founded in the late 1991 and registered for the production of robots and equipment for special purposes. With the establishment of the humanitarian mine action capacity in the Republic of Croatia in 1996 DOK-ING Ltd. was among the first commercial companies to start developing human and mechanical capacities for providing services of humanitarian mine and unexploded ordnance clearance in Croatia.

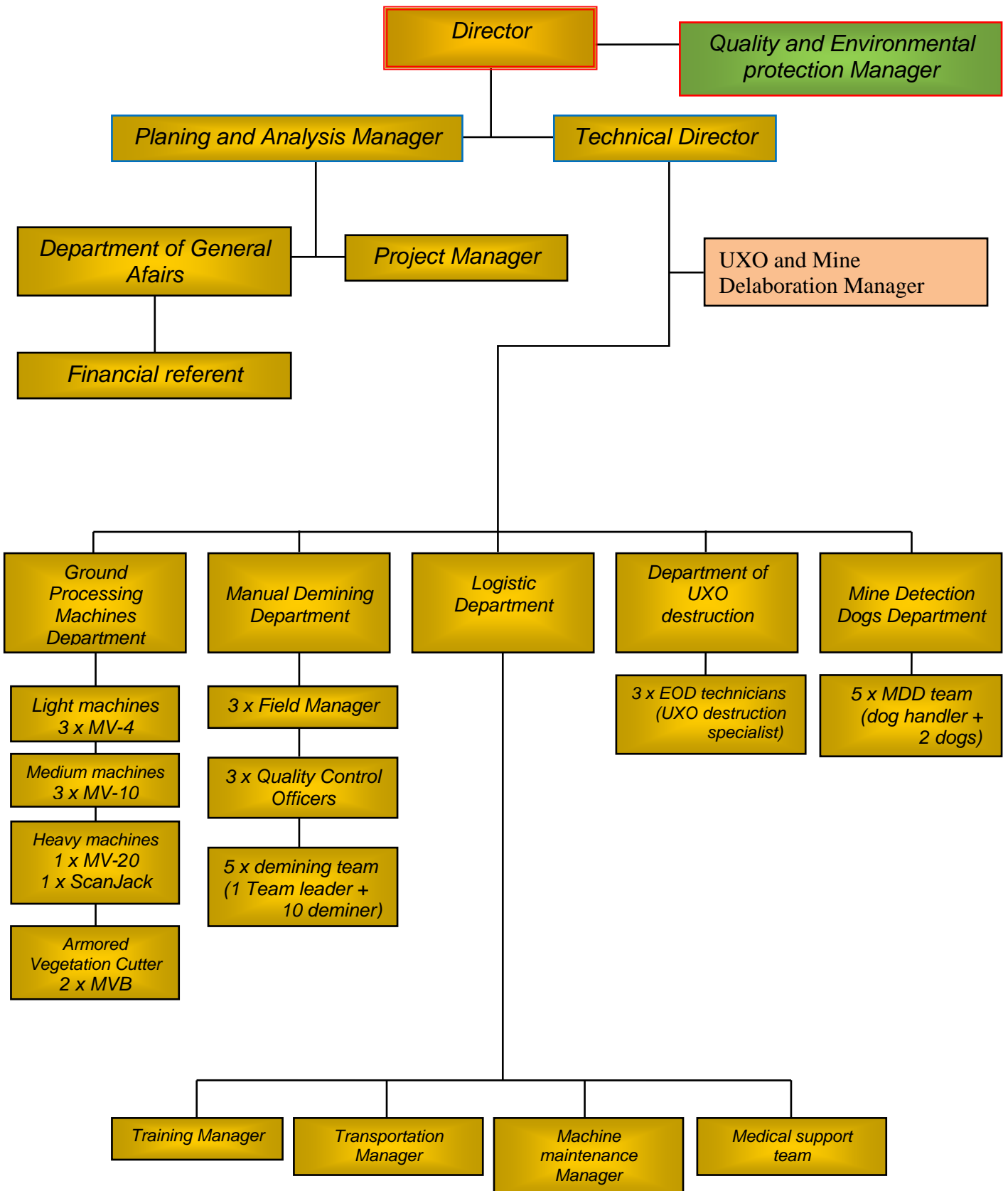
In 1996 DOK-ING Ltd. started the initial research and development of the first mechanical assets used for mine and UXO clearance. During that period DOK-ING Demining Ltd. existed as a division of DOK-ING Ltd. with its own management, equipment and deminers.

Following the increase in the production and demining activities in 2004 DOK-ING Demining Ltd. left the Mother Company and became a separate legal entity. Today they are the largest companies in the region in the fields of demining machines production and humanitarian demining.

Since 2011. The company is owned UXOR group Ltd, privately owned, with an expanded list of new activities and set goals to expand the scope of its operations in Croatia and the EU.



2. Organization and capacity





Deminers, dogs and machines are used in the process of demining.

There are approximately 80 regular employees from Croatia and 40 deminers in company DOK-ING DEMINEERING Bosnia and Herzegovina.

In its „Tool Box“ the Company has: 20 vehicles for personnel transport, 2 trucks for transport of demining machines, 122 metal detectors, 20 magnetic locators, 4 magnetometers with data logger and 140 personnel protective equipment and 2 ambulances with doctors, paramedics and drivers.

Apart from 5 dog teams the Company has at its disposal 14 demining machines:

- 2 Heavy Flails (MV-20 and Scanjack 3500),
- 3 Medium Flails (MV-10),
- 3 Mini Flails (MV-4) and
- 2 Armored Vegetation Cutters/Excavators (MVB type).

Their characteristics are:



MV-4 Mini Flails

- Dimensions (L x W x H) mm
3.005 x 1.530 x 1.470
- Weight – 5.310 kg
- Engine – Perkins 1106D-E66TA, 186 kW
- Digging depth
Maximum depth – 320 mm
Average depth – 200 mm
- Clearance capacity - 4.000 m²/h



MV-10 Medium Flails

- Dimensions (L x W x H) mm
6.860 x 2.792 x 1.900
- Weight – 16.000 kg
- Engine – CATERPILLAR C18, 571 kW
- Digging depth
Maximum depth – 600 mm
Average depth – 350 mm
- Clearance capacity - 6.000 m²/h



MV-20 Heavy Flails

- Dimensions (L x W x H) mm
8.500 x 4.000 x 2.600
- Weight – 33.000 kg
- Engine – Perkins 3000, 663 kW
- Digging depth
Maximum depth – 600 mm
Average depth – 400 mm
- Clearance capacity - 7.000 m²/h



Scanjack 3500 - Heavy Flails

- Dimensions (L x W x H) mm
14.300 x 4.450 x 3.700
- Weight – 32.000 kg
- Engine – Scania V8, 407 kW
- Digging depth
Maximum depth – 350 mm
Average depth – 250 mm
- Clearance capacity – 7.000 m²/h



MVB 006 – Armored Cutter/Excavator

- Dimensions (L x W x H) mm
17.800 x 3.300 x 4.000
- Weight – 44.000 kg
- Engine – Liebherr, 106 kW
- Digging depth
Maximum depth – 250 mm
Average depth – 120 mm
- Clearance capacity – 1.000 m²/h

When operating on a medium/heavy to heavy terrain the machines are capable of clearing from 130.000 to 200.000 m²/day in a 10 hours shift.

This figure can be higher several times in case of operating on an easy or sand terrain.

It is important to emphasize that all equipment is regularly tested annually by CROMAC-CTDT (CROMAC - Centre for Testing Development and Training) .



3. Achievements and areas of operation

YEAR	No. OF PROJECTS	SIZE OF PROJECTS (m ²)	DESTROYED MINES AND UXO
2014	10	3.692.201	40
2013	22	3.000.380	692
2012	20	2.376.282	452
2011	34	2.879.509	1.187
2010	27	3.014.605	1.025
2009	33	4.531.434	1.377
2008	27	3.256.000	1.095
2007	23	2.712.000	580
2006	21	2.529.342	2.309
2005	23	3.115.000	780
2004	24	3.250.000	4.497
2003	56	4.808.643	16.355
2002	63	4.813.549	23.324
2001	57	2.125.578	16.534
2000	32	1.233.734	15.921
1999	46	2.614.914	13.069
1998	10	1.337.777	11.415
1997	8	1.214.000	14.284
TOTAL	526	51.900.895	125.323

So far 48.208.694 m² of terrain has been cleared and 125.323 of mines and different types of UXO have been found and destroyed in Croatia and elsewhere.



Apart from Croatia DOK-ING Demining Ltd. has conducted humanitarian demining projects in Hungary, Greece and Serbia and mechanically assisted clearance in Sudan, Angola, Lebanon, Serbia, Sri Lanka and Bosnia and Herzegovina.



4. Methods and procedures of mine/BA clearance and EOD

DOK-ING Demining Ltd. has a “toolkit” approach to mine/BA clearance and EOD for humanitarian purposes consisting of four elements: mechanical mine action systems, manual demining, EOD and mine detection dogs action system and the combination of the above.

DOK-ING Demining Ltd. does delaboration of Unexploded Ordnances (UXOs) and land mines. This is done with proprietary equipment and a highly qualified and experienced work force.

DOK-ING Demining Ltd. strictly complies to International Mine Action Standards (IMAS) and Croatian Demining Law, which require appropriate, effective, efficient and safe procedures.

That is why in most cases DOK-ING Demining Ltd. uses mechanical clearance as the first and manual demining or mine detection dogs as the second demining method. It should be stressed that such mine clearance is faster, cheaper and safer for deminers.



Before



During



After



Before



During



After

DOK-ING Demining Ltd. is proud to state that there has never been a single mine accident / incident in any area cleared using this methodology.



5. Licenses

DOK-ING Demining Ltd. is certified by the Croatian Center for Demining to conduct humanitarian demining and UXO disposal and destruction.

DOK-ING Demining Ltd. is certified by the Republic of Serbia Mine Action Center to conduct humanitarian demining operations at the territory of the Republic of Serbia.

DOK-ING Demining Ltd. holds ISO 2001:2008 and ISO 14001:2004 certificates.

6. Contact

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