

EUDEM Research Survey

EUDEM2 Questionnaire1

(Industrial Companies/Equipment Manufacturers)

Interviewer: Karin De Bruyn

PART I: Relationship with military/humanitarian demining. Problem knowledge.		DATE: 18/02/2003
Organisation (name + web address) : Schiebel Elektronische Geraete. http://www.schiebel.com Contact Person (name + e-mail): Mehrdad Khalili. mekh@schiebel.net Ask a business card!		
How would you rate your level of knowledge/understanding in military demining:	5	(1:none, 5: in depth)
Long term experience through the development of MD's since the start of its use		
Level of knowledge/understanding in humanitarian demining:	5	(1:none, 5: in depth)
No. of years involved in HD: Schiebel is already developing MD's since 50 years, since it was used first after WWII		
Details (type of involvement) in HD: Development of handheld MD's, Camcomputer® (ARC), Vamids™ (vehicle based MD's)		
Main sources of information on humanitarian demining: <input checked="" type="checkbox"/> direct contacts with deminers, (1:little, 5: mostly used) 5 <input checked="" type="checkbox"/> field visits, (1:little, 5: mostly used) 5 <input checked="" type="checkbox"/> literature, (1:little, 5: mostly used), which literature source is used on a frequent basis 5 Titles journals: university and military publications <input checked="" type="checkbox"/> Internet, (1:little, 5: mostly used), which site is used on a frequent basis Web page(s): Eudem2, Landmine Monitor		
Frequency of field visits: 3 1: none; 2: sporadically (once a year), it depends a lot on the type of customers 3: regularly (several times a year) Where: indicate geographical zones or countries: USA, CAM, RSA, Latin Am.		
Frequency of contacts with deminers: 3 1: none; 2: sporadically (once a year) 3: regularly (several times a year) Who (names + contact details): USA army, MAG Cambodia + CMAC, CROMAC/HCR		
Knowledge of demining operations: (ex. SOPs (Standard Operating Procedures))	5	(1:none, 5: in depth)
Details: For the Camcopter® the whole system needs to be operated, see ARC, DEMAND, PEACE (most of this knowledge has been gathered during EC projects and some through Schiebel's military contacts Schiebel has (contacts are even more frequent than with HD)		
Knowledge of deminers' requirements: (ex. SORs (Statements Of Requests), "wish lists")	5	(1:none, 5: in depth)
Details: USA army, MAG Cambodia + CMAC, CROMAC/HCR		
Would you like to know more on humanitarian demining (yes/no/yes and already planned): Yes <input checked="" type="checkbox"/> monthly updates (newsletter)		
Knowledge of the UXO problem (UneXploded Ordnance):	5	(1:none, 5: in depth)
UXO problem taken into account in your work: 3 How has it been taken into account? (describe) via VAMIDS™, ARC, DEMAND		(1:no, 5: fully)
Activities focused on a specific country or area: No, worldwide focus. (ex. Cambodia)		

Equipment developed (list which ones) : MD, Camcopter®, Vamids™
Name product/equipment

General description:

GPR

MD

Combined multi sensor detection systems (details, which sensors):

mechanical equipment

remotely operated detection systems

remotely operated area reduction systems

For which application areas:

hand held

vehicle based

air borne

Aimed at

AP

AT

UXO

Overlaps between equipment developed for other application domains (e.g. medical/geoscience): which ones and how?
Camcopter® could be used for detection of lost persons, fire rescue operations. Schiebel is also looking for other possible markets, this is one of their tasks in ARC, but the primary aims is as in ARC, until to date only HD

PART II: Knowledge of other (R&D) activities, esp. EC.

Knowledge of ongoing EC R&D projects related to humanitarian demining: 4 (1:none, 5: in depth)

Which ones: DEMAND, PEACE, ARC (also involved in Clustering activities).

Knowledge of other R&D projects related to humanitarian demining: 2 (1:none, 5: in depth)

Details/Which ones: Will send names of contact persons by e-mail

Would you like to know more on current research activities

yes

no

yes and already planned:

What and at which frequency:

newsletter,

workshop,

conference,

e-mail;

weekly updates

monthly updates

Preference for “push” or “pull” technique: PUSH

(ex. receiving possibly unsorted e-mail, or looking up oneself and selecting the information)

PART III: Product/System testing, characteristics and pricing.

Have you already carried out a “proof of principle” concerning the equipment you propose:

(yes, ongoing, no) YES

Details: All systems mentioned are commercially available

How has equipment **testing** already been executed:

none;

in the lab

under internal controlled conditions,

under external controlled conditions, Schiebel uses test military fields of the

in the field

What kind of tests has been carried out? Different kinds of tests with mines, DOD performance specification

Where have these tests been carried out? USA, Cambodia, Croatia, and locally in Austria

Details: where and how was it tested, which guidelines were followed (ITEP, Others)? They use the test protocol that is prescribed for HD testing equipment

How is **further equipment testing** being planned:
X in the field

Details: The equipment is constantly updated and testing

Type of product/system at which you are aiming (if several products, use different forms for each type of product):

MD, Vamids™, Camcopter®

Have you carried out any market studies?

X yes

Which ones, and is this information available? See ARC

What type(s) of product(s) are you producing + exact name of product (**ask brochure**)? Available on the website
If you have to summarize What lessons have been learned by you for HD, which you could share with others: One cannot develop mine detection equipment without involving the end users. Close collaboration is necessary at a very early stage.

PART IV: General Comments:

Comments on the EUDEM2 initiative in general: Interviewee did not know about EUDEM
Questionnaire interview: Good, relevant questions

Comments on the concept of an Open, Detailed Web based Database (ex. EUDEM2): Very good idea and initiative, it is a helpful for new projects, to contact new partners.

Comments on the way EC projects are financed, suggestions: Financing procedure is OK, but the bureaucracy involved with the projects is too heavy, communication between partners and the EC needs to be faster in order to avoid frustrating delays.

**Please send us a copy of your reference material together with the fully approved complete questionnaire by separate mail to the following address:*

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