

Project acronym: **WATERBIOTECH**



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## **Deliverable D4.15**

# **REPORT On WATER BIOTECHNOLOGY SUPPLIERS DATA BASE**

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## **SUMMARY REPORT ON WATER BIOTECHNOLOGY SUPPLIERS DATA BASE**

### **1.0 PURPOSE**

The purpose of this exercise was to identify the regional suppliers, who can allow concrete implementation of water treatment biotechnologies. It involves the mapping out of different types of suppliers (local producers, materials traders, constructor companies and operation maintenance supplies). This information is to be compiled to create a data base where each partner will annotate and collect potential suppliers related to the technical solutions of the project. The database of biotechnology suppliers for WW treatment will be uploaded on the project's website.

### **2.0 PROCESS FOR DEVELOPING THE DATA BASE**

As the scientific leader on this project, one of the responsibilities was to collate information and data on the types of technologies that exist for water sustainable water supply and the location of the various suppliers of these different technologies. As was described by the project document, WSA (formerly CREPA) was supposed complete this task with the support of; UoB, CBS, CITET, IWMI, NRC and UCAD, UCA and CDER.

WSA developed a template based on its understanding of the requirements of the task which was sent out to all the partners on the project at their various locations to provide information on existing technologies, the expertise of the providers and the minimum number of people the technology can serve and the conditions under which they can be used effectively.

Some partners returned the completed templates with the required information and also the location of the various technologies and their providers. The information was compiled according to the following headings; name of supplier, brief profile, location/country, expertise/technology type, recommended environment, Maximum number of persons served per technology, approximate cost of the technology, performance of the technology and contact address.

### **3.0 SUMMARY OF BIOTECHNOLOGIES AND SUPPLIERS**

The data collected from the partners on the project indicates clearly that there are a good number of technologies that exist across the continent where interested partners and projects wishing to use or apply some of these technologies could resort to in order to serve their communities and achieve their objectives.

The existing technologies includes, industrial and Urban waste water management facilities with about 10 years of life span for Membranes and the suppliers are located in France, Photobio creators, septic tank digester and biologic filter technologies, membrane bioreactor for small communities, activated sludge systems, constructed wetlands etc, which can serve a population of up to 2000. The suppliers of these technologies are located in Spain.

Table 1 Biotechnology Suppliers summary table

Classification of technology	Number of suppliers	Countries where they can be located	Partners to contact
Waste Water Treatment	9	France, Spain, Egypt, Saudi Arabia, Greece, England, UK, Ghana	UPCAM France, BIOAZUL, TTZ & UNIBREMEN, IWMI
Photo bioreactor and Membrane bioreactor	2	Spain	UPC - Spain
Septic Tank, digesters and biologic filter	1	Spain	UPC-Spain
Activated sludge systems	3	Spain, Austria	UPC-Spain, BOCU
Constructed Wetlands	4	Spain, Austria	UPC-Spain, TTZ & UNIBREMEN, BOCU
Aerobic and Anaerobic treatments	15	Worldwide, Germany, Australia, Saudi Arabia, Singapore, Unites States, France, Greece, Italy, Poland, Spain, South Africa, Tunisia, Iran, UAE	TTZ & UNIBREMEN
Biological Packaged treatment	3	Germany	TTZ & UNIBREMEN
Constructor	4	Ghana, China	IWMI

Other include Aerobic treatments technologies (MBR, MBBR, SBR) and also Trickling filters, with providers/suppliers in Germany and worldwide. The trickling filters also come with their main components and fixed bed systems. There are also plants for the biological treatment of municipal and industrial waste water with a possibility of a complete recycling.

There are also suppliers of Eflo technology based in the UK and Japan with expertise to design, manufacture and install treatment processes for all waste waters including domestic sewage, industrial waste waters and grey water recycling. Domestic sewage treatment plants range from small package plants, factory built and tested to large scale project size works. Industrial waste water covers most industries.

Whether the waste is oily water, heavy in metals or from food processing and agriculture, Eflo have a process to help industry minimize discharge costs and maximize water re-use. Grey water recycling. Eflo are also exclusive UK & Middle East distributors and service agents for Ekoton inlet & storm water screens and sludge dewatering belt presses. Table 1 provides a summary of the biotechnology suppliers. The details can be found on individual tables in the spreadsheets.



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## **4.0 CONCLUSION**

The Biotechnology suppliers Data base provided is not exhaustive. It represents information provided from the Waterbiotech project partner's countries. It is however a quick pointer and reference for where suppliers of some Biotechnology suppliers can be located.

APPENDIX

TABLE OF WATERBIOTECHNOLOGY SUPPLIERS OBTAINED FROM WATERBIOTECH PARTNERS

Name of Supplier	Brief Profile	Location/Country	Expertise/Technology Type	Recommended Geographical environment	Maximum No of persons served per technology	Cost of Technology. Approx	Performance of the Technology	Contact Address
OVIVE	MBR SUPPLIER	France	5 - BRM for landfill leachate and urban waters	for wastewater treatment	From 50-100000 Lifespan: 10 years for membranes	From 80k€ to 1M€	For high concentration	Mathieu Dancoise, Ovive 59000 Seclin, France +33 3 20 45 10 10 Email : mdancoisne@ovive.fr
Orelis environnements	Membrane suppliers for MBR ceramic and organic membranes	France	5 - BRM for industrial wastewater and urban wastewater	for wastewater treatment	From 50-100000 Lifespan: 10 years for membranes	From 80k€ to 1M€	For high concentration	ORELIS ENVIRONNEMENT SAS 382, avenue du Moulinas 30340 Salindres, France Cell +33(0)6 86 44 29 10 Tel +33 (0)4 66 85 95 36 Fax +33 (0)4 66 30 77 59 Email: Didier.dhaler@orelis.com
Tami	Membrane suppliers for MBR, ceramic membranes	France	5 - BRM for industrial wastewater and urban wastewater	for wastewater treatment	From 50-100000 Lifespan: 10 years for membranes	From 80k€ to 1M€	For high concentration	TAMI Industries Head office & Factory : Z.A. Les Laurons CS 65 26111 NYONS CEDEX - France Tel : +33 (0) 475 264 769 - Fax : +33 (0) 475 264 787 tami-info@tami-industries.com
Polymem	Membrane suppliers for MBR organic membranes	France	5- BRM for industrial wastewater and urban wastewater	for wastewater treatment	From 50-100000 Lifespan: 10 years for membranes	From 80k€ to 1M€	For high concentration	Polymem Isabelle Duchemin Impasse de Palayre - 31100 Toulouse, France Tel: +33 5 61 31 78 66 - Fax: +33 5 61 31 78 70 i.duchemin@polymem.fr - www.polymem.fr

SOURCE: UPCAM - FRANCE



Name of Supplier	Brief Profile	Location/Country	Expertise/Technology Type	Recommended Geographical environment	Maximum No of persons served per technology	Cost of Technology. Approx	Performance of the Technology	Contact Address
BIOAZUL	Water treatment engineering: Developers and suppliers of compact MBR and SBR systems.	Spain	3	North Africa, Mediterranean countries, Middle East	1000	Low- Very low	Effluent fulfils European legal standards for discharging treated waste water. Systems have been tested in extreme conditions (e.g. high and low temperatures)	Avenida M.A. Heredia 18, 1º4. 29001. Málaga. Spain. Telephone: +34 951047290. Web site: www.bioazul.com. Contact person: Alejandro Caballero. E-mail: acaballero@bioazul.com

SOURCE: BIOZUL SPAIN



Name of Supplier	Brief Profile	Location/Country	Expertise/Technology Type	Recommended Geographical environment	Maximum No of persons served per technology	Cost of Technology. Approx	Performance of the Technology	Contact Address
FOTOBIORREACTORES INDUSTRIALES SL	This company provides photobioreactor for wastewater treatment by algae	Amposta (Spain)	Photobioreactors	Small - rural communities	100 pe	Low	Good	PLAZA ADOLFO VENTAS 5 - 2º 3º , AMPOSTA, Spain
REMOSA	It provides small scale technologies for domestic wastewater treatment. It is active in technologies implementation as well as R+D activities	Barcelona (Spain)	Septic tank, digester and biologic filter	Small communities	200 pe	Moderate	Good	<a href="http://www.remosa.net">http://www.remosa.net</a>
ECOTEC, Ecología Técnica, S.A.	The company was created in response to the increasing demand for equipment and processes destined for the protection of the environment, and principally oriented to the treatment of liquid and gas contaminants generated in a large majority of industrial processes.	Manresa (Spain)	Membrane bioreactor	Small communities	membrane surface up to 400 m2	Moderate	Good	<a href="http://www.ecotec.es/eng/index.htm">http://www.ecotec.es/eng/index.htm</a>
OMS Sacede	The wide range of its activities includes design, construction and management of advanced technology facilities for water treatment.	Barcelona, Valencia and Madrid (Spain)	Activated sludge systems	Small communities	100 pe	Moderate	Good	<a href="http://www.oms-sacede.es">http://www.oms-sacede.es</a>
Ecomoll	This company has expertise in wastewater treatment for small communities at national level.	Barcelona (Spain)	Constructed wetlands	Small communities	2000 pe	Low	Good	c/ Girona, 26 Barcelona, Spain
Phragmites	This company is active in implementation of wastewater treatment systems, as well as environmental assessment, research and education.	Manresa (Spain)	Constructed wetlands	Small communities	2000 pe	Low	Good	<a href="http://www.phragmites.com">http://www.phragmites.com</a>

SOURCE: UPC - SPAIN





Name of Supplier	Brief Profile	Location/Country	Expertise/Technology Type	Recommended Geographical environment	Maximum No of persons served per technology	Cost of Technology. Approx	Performance of the Technology	Contact Address
AtM Abwassertechnik Mudersbach GmbH	Producer of wastewater treatment plants for industrial applications	Kirchen (Germany)	Aerobic treatment (SBR)	Performance can be better in warm climatic zones	(official, detailed request is required)*	(official, detailed request is required)*	(official, detailed request is required)*	AtM Abwassertechnik Mudersbach GmbH
Tax identification number: DE 257 156 651				Consistency of the material depends on climate	variable	variable	variable	Bahnstraße 1
				No specific geographical environment is recommended				57548 Kirchen
								Germany
								Phone: +49 2741 973 2491
								<a href="http://www.atm-mudersbach.de">www.atm-mudersbach.de</a>
								email: info@atm-mudersbach.de
ENVIROCHEMIE	Leading european plant construction firm for industrial wastewaters	Rossdorf (Germany), Vienna (Austria), Warsaw (Poland),	Anaerobic treatments (UASB, fixed bed, contact biological)	Performance can be better in warm climatic zones, UASB successful applied in Brazil,	(official, detailed request is required)*	(official, detailed request is required)*	5 - 35 kg CSB/m <sup>3</sup> d	EnviroChemie
Tax identification number: DE 111 627 671	water purification of process water and energy yield from industrial wastewater	Bucharest (Romania), Rio de Janeiro (Brazil), Eschenbach (Switzerland),	Aerobic treatments (SBR, activated sludge, MBR)	Consistency of the material depends on climate	variable	variable	5000 - 100000 mg/L	In den Leppsteinswiesen 9



		Haarlem (Netherlands), Ekaterinburg (Russia), Sofia (Bulgaria),		No specific geographical environment is recommended			(Range for different anaerobic and aerobic plant types	64380 Rossdorf
		Malmö (Sweden)					from the product line)	Germany
							No specific conditions given	
								Phone: +49 6154 6998-0
							(official, detailed request is required)*	<a href="http://www.envirochemie.com">www.envirochemie.com</a>
							variable	Contactperson: Mr. Thomas Weißer
								Phone: +49 6154 6998 28
								email: Thomas.Weisser@envirochemie.com
							(official, detailed request is required)*	Siemens Water Technologies
SIEMENS Water Technologies	World leader in products, systems, and services for water and	World wide	Aerobic treatments (MBR, MBBR, SBR, Trickling filter, RBC,	Performance can be better in warm climatic zones	unlimited	depends on required size and technology	Example:	Wallace & Tiernan GmbH
	wastewater treatment for industrial, municipal, laboratory, commercial and	Major business hubs in Germany, Australia, China, Saudi Arabia,	Fixed bed, activated sludge)	Consistency of the material depends on climate	SIEMENS is able to build treatment plants in all sizes	(official, detailed request is required)*	MBR: Greater than 90 percent biosolids reduction	89312 Günzburg
	aquatics and leisure customers	Singapore, United States		No specific geographical environment is recommended	(official, detailed request is required)*	variable	Turbidity < 0.2 NTU	Germany
					variable		BOD < 5mg/l	



							TSS < 1mg/l	<a href="http://www.water.siemens.com/en/Pages/default.aspx">http://www.water.siemens.com/en/Pages/default.aspx</a>
							Nutrient removal as low as 3mg/l total nitrogen and 0.5 mg/l phosphorus when required	Phone: + 49 8221 9040
								<a href="mailto:wtger.water@siemens.com">email: wtger.water@siemens.com</a>
								GEA 2H Water Technologies GmbH
GEA Heat Exchangers	World wide producer of plastic packing materials	World wide	Components for trickling filters and fixed-bed systems:	No specific geographical environment is recommended	(only components)	Packing material: 80 to 150 €/m <sup>3</sup>	(only components, depends on the plant)	Dieselweg 5
2H Water Technologies	GEA Heat Exchangers: Global leader in the area of industrial heat exchangers	Europe: Germany, France, Greece, England, Italy, Poland, Spain	Packing material, rotary distributors, support structures,	Material is suited for all weather influences				48493 Wettringen
Tax identification number: DE 811 409 520		Other: South Africa, Tunisia, Iran, UAE	aeration equipment					Germany
								<a href="http://www.gea-2h.com">www.gea-2h.com</a>
								Phone: +49 (0) 2557 9390-0
								<a href="mailto:info.2h.de@geagroup.com">email: info.2h.de@geagroup.com</a>
								Contactperson: Mr. Karl-Uwe Schmitz
								Phone: +49 2233 6999-523
								email: Karl-Uwe Schmitz@gea.com
								ENVIMAC Engineering GmbH



ENVIMAC Engineering GmbH	Development, production and maintenance of components and plants	Germany (Oberhausen)	Components for trickling filters and fixed-bed systems:	Performance can be better in warm climatic zones	Container wastewater treatment plants: 5000	(official, detailed request is required)*	(official, detailed request is required)*	Im Erlengrund 27
	Main areas: Chemical industrie and environmental engineering		Packing material	Consistency of the material depends on climate		variable	variable	46149 Oberhausen
			Container wastewater treatment plants	No specific geographical environment is recommended				Germany
								<a href="http://www.envimac.de">www.envimac.de</a>
								Phone: +49-(0)208-941044-0
								email: info@envimac.de
								VKA-GmbH
VKA GmbH	Apparatus engineering and production of glass fiber reinforced plastic plants	Germany (Schönbrunn)	Biological packaged treatment plants	Performance can be better in warm climatic zones	50	(official, detailed request is required)*	(official, detailed request is required)*	Gabeler Straße 45
Tax identification number: 171 121 05123				No specific geographical environment is recommended		variable	variable	98667 Schönbrunn
								Germany
								<a href="http://www.gfk-behaelterbau.de">www.gfk-behaelterbau.de</a>
								Phone: +49 36874/72375
								email: info@gfk-behaelterbau.de
								BIOLAK Technology GmbH
BIOLAK Technology GmbH	Company for process engineering specialized in plants for	Germany (Egming-Münster)	Plants for the biological treatment of municipal and	Performance can be better in warm climatic zones	> 3.000.000	(official, detailed request is required)*	Degree of cleaning greater than 95 % (Carbonaceous	Killistrasse 3



	biological processes						compounds?!)	
		Representations world wide i.a. in Egypt, Saudi-Arabia, Greece, England	industrial wastewaters (complete recycling possible)	Consistency of the material depends on climate		variable	sludge stabilization, N-elimination, biological P-elimination,	85658 Egmating-Münster
			(activated sludge)	No specific geographical environment is recommended				Germany
								<a href="http://www.biolak.de">www.biolak.de</a>
								Phone: +49 (0)8093 902 40-0
								email: info@biolak.de
								WEHRLE Umwelt GmbH
WEHRLE Umwelt GmbH	Company for environmental engineering	World wide	Aerobic treatments (MBR, SBR)	Performance can be better in warm climatic zones	(official, detailed request is required)*	(official, detailed request is required)*	(official, detailed request is required)*	Bismarckstraße 1-11
	Market leader of membrane bioreactor plants with external membranes	Europe:	Anaerobic treatments	Consistency of the material depends on climate	variable	variable	variable	79312 Emmendingen
		Germany (Emmendingen), England (Oxfordshire), Spain (Gijon),		No specific geographical environment is recommended				Germany
		France (Seclin)						<a href="http://www.wehrle-umwelt.com">www.wehrle-umwelt.com</a>
								Phone: +49 76415 850
								email: info@wehrle-environmental.com



		Europe wide						Mall GmbH
Mall GmbH	Company for municipal wastewater treatment plants and	Germany (Donaueschingen)	Aerobic treatments (SBR, Trickling filter)	Performance can be better in warm climatic zones	640	(official, detailed request is required)*	(official, detailed request is required)*	Hüfinger Straße 39-45
	packaged treatment plants	Belgium, Denmark, France, Italy, Austria, Spain, Sweden,...		Consistency of the material depends on climate		variable	variable	78166 Donaueschingen
				No specific geographical environment is recommended			Packaged treatment plants: COD < 90 mg/L, BOD5 < 20 mg/L, Ammonium < 10 mg/L	Germany
							inorganic N < 25 mg/L	
								<a href="http://www.mallnet.de">www.mallnet.de</a>
								Phone: + 49 771 8005-0
								email: info@mall.info
								BLUEVITA GmbH & Co. KG
BLUEVITA GmbH & CO.Kg	Producer of full biological packaged treatment plants (plastic)	Germany (Boizenburg)	Aerobic treatments (fixed bed, SBR)	Performance can be better in warm climatic zones	800	(official, detailed request is required)*	(official, detailed request is required)*	Gülzer Str. 3
				Consistency of the material depends on climate		variable	variable	19258 Boizenburg
				No specific geographical environment is recommended				Germany
								<a href="http://www.bluevita.de">www.bluevita.de</a>
								Phone: +49 (0) 38847 / 6249 – 00



								email: info@bluevita.de
								Ökoservice GmbH
Ökoservice GmbH	Company for packaged treatment plants and wastewater treatment plants	Germany (Denkendorf)	Aerobic treatments (activated sludge, SBR)	Performance can be better in warm climatic zones	10,000	(official, detailed request is required)*	(official, detailed request is required)*	Abwasser- und Umwelttechnik
Abwasser- und Umwelttechnik				Consistency of the material depends on climate		variable	variable	Werk Denkendorf
Tax identification number: DE 145351384				No specific geographical environment is recommended				Köngener Straße 14
								73770 Denkendorf
								Germany
								<a href="http://www.oekoservice.com">www.oekoservice.com</a>
								Phone: +49 (0711) 934 933 - 0
								<a href="mailto:info@oekoservice.com">email: info@oekoservice.com</a>
								Klärtechnik Reinhardt GmbH
Klärtechnik Reinhardt GmbH	Company for packaged treatment plants and wastewater treatment plants	Germany (Eutin)	Aerobic treatments (activated sludge, SBR)	Performance can be better in warm climatic zones	5,000	(official, detailed request is required)*	(official, detailed request is required)*	Albert-Einstein-Straße 20
				Consistency of the material depends on climate		variable	variable	23701 Eutin
				No specific geographical environment is recommended				Germany



								<a href="http://www.klaermax.com">www.klaermax.com</a>
								Phone: +49 4521 790060
								email: info@klaertechnik.net
								Jürgen Scheele
Jürgen Scheele	Company for packaged treatment plants and wastewater treatment plants	Germany (Goldenstedt)	Aerobic treatments (activated sludge, SBR)	Performance can be better in warm climatic zones	2,000	(official, detailed request is required)*	(official, detailed request is required)*	Abwassertechnik GmbH
Abwassertechnik GmbH			constructed wetlands	Consistency of the material depends on climate		variable	variable	Auf der Höhe 1
Tax identification number: DE234591005				No specific geographical environment is recommended				49424 Goldenstedt
								Germany
								<a href="http://www.scheele-abwassertechnik.de">www.scheele-abwassertechnik.de</a>
								Phone: 0 44 44 - 20 46 81
								email: info@scheele-abwassertechnik.de
* The companies need a detailed request before they can give the required information.								As in the forwarded email, we already sent on time our list of technology suppliers to WSA.





**WATERBIOTECH**

<p>The request should include information about the type of wastewater, ingredients and composition of wastewater, the aimed application and an</p>					<p>Below are two companies, from outside Germany, that you can add to the final list of suppliers:</p>			
<p>estimation of the required size</p>					<p><a href="http://www.tehnix.hr/">Tehnix (http://www.tehnix.hr/)</a></p>			
					<p><a href="http://www.organicawater.com/">ORAGANICA (http://www.organicawater.com/)</a></p>			

**SOURCE: TTZ AND UNIBREMEN**



Name of Supplier	Brief Profile	Location/Country	Expertise/Technology Type	Recommended Geographical environment	Maximum No of persons served per technology	Cost of Technology. Approx	Performance of the Technology	Contact Address
Hitachi	<p>Hitachi, Ltd., is a leading global electronics company with approximately 360,000 employees worldwide. Fiscal 2010 (ended March 31, 2011) consolidated revenues totaled 9,315 billion yen (\$112.2 billion). Hitachi Plant Engineering and Construction Co., Ltd. is an integrated engineering services company and is a key member of the Hitachi Group of companies.</p>	Tokyo, Japan	<p>Design, manufacturing and construction of air-conditioning, clean rooms, water treatment, dust collection systems, plants, industrial equipment, and power plants and substations, and others</p>					<p><a href="http://www.hitachiplant.hbi.ne.jp">http://www.hitachiplant.hbi.ne.jp</a></p>
Eflo	<p>EFLO International Ltd is a UK company operating in the field of waste water treatment, water re-use and solid waste treatment.</p> <p>Established in the late 1970's, EFLO has developed a range of innovative treatment processes for waste water treatment and water recycling. This innovation continues to the present day with large scale membrane bioreactors, grey water recycling and novel forms of industrial waste treatment.</p> <p>In 2010, Eflo entered the solid waste treatment and recycling business as exclusive distributors for Fosco Autoclaves. These are used for processing municipal solid waste (MSW) to maximise recycling, minimise landfill use and provide organic matter for waste to energy plants, either gasification or anaerobic digestion.</p> <p>As water supply &amp; treatment costs rise, water re-use is now an environmental requirement. The same follows for the solid waste market where valuable products can be returned to industry for re-use.</p>	Headquarters: UK	<p>Can design, manufacture and install treatment processes for all waste waters including domestic sewage, industrial waste waters and grey water recycling. Domestic sewage treatment plants range for small package plants, factory built and tested to large scale project size works. Industrial waste water covers most industries. Whether the waste is oily water, heavy in metals or from food processing and agriculture, Eflo have a process to help industry minimise discharge costs and maximise water re-use. Grey water recycling.</p> <p>Eflo are also exclusive UK &amp; Middle East distributors and service agents for Ekoton inlet &amp; storm water screens and sludge dewatering belt presses.</p>					<p><a href="http://www.eflo.com/">http://www.eflo.com/</a></p>



Naston	Originally a UK company. But has representations in some African countries, including Nigeria	UK	<p>Specialization:</p> <ol style="list-style-type: none"> <li>1. Water treatment plants: <ul style="list-style-type: none"> <li>• municipal / industrial</li> <li>• demineralization</li> </ul> </li> <li>2. Sewage treatment plants : construction and rehabilitation</li> <li>3. Tank fabrication (storage tanks, pressure filter tanks)</li> <li>4. Pipe and liquid transfer systems</li> <li>5. Pumping system</li> </ol> <p>Etc.</p> <p><a href="http://www.nastonengineering.com/pdf/PROFILE%20OF%20NASTON%20ENGINEERING%20NIGERIA%20LIMITED.pdf">http://www.nastonengineering.com/pdf/PROFILE%20OF%20NASTON%20ENGINEERING%20NIGERIA%20LIMITED.pdf</a></p>					<p>E-mail managing director; Kole funsho ; kfunsho@aol.com Address 43 raymond njoku street, S/w ikoyi lagos. Telephone : 234-1-2707425,0803 303 4927 Fax : 234-1-2707425 ////</p> <p>THE CONTROL TOWER, BROOKS LANDS, WEYBRIDGE, SURREY KT13 OYU. ENGLAND. Telephone (UK) 44-1932-336611</p>
ONDEO INDUSTRIAL SOLUTIONS	WATER AND WASTE WATER TREATMENT PLAN SUPPLIERS	France + Worldwide	Water treatment	Plants are designed to specificities of the geographical environment. So all are possible	We serve mainly industries	Unrelevant, depends on the size	Technology is designed to perform to specifications of client	tour CB21 Paris la defense 92040 CDX
NKWANTA BISA ENGINEERS LTD.	Building Contractors	Accra, Ghana	Example: Construction of a landfill and a septage treatment facility in Sekondi-Takoradi, Ghana					Address: Opp. Total Filling Station, Adabraka Accra Phone: (030) 2221434
CHINA JIANGXI CORPORATION FOR INTERNATIONAL ECONOMIC & TECHN	China Jiangxi Corporation for International Economic and Technical Cooperation(CJIC), approved by the State Council of the People's Republic of China and registered in 1983, is a large compound foreign economic enterprise, focusing on international project contracting and labor services and diversified undertaking the business of domestic real estate, architectural design, overseas investment and trading simultaneously. ( <a href="http://www.iicf.org/templates/jiaoyu_001_2/second_115_249.html">http://www.iicf.org/templates/jiaoyu_001_2/second_115_249.html</a> )	China	Example: Construction of a landfill and a septage treatment facility in Tamale, Ghana					cjic.cn/eindex.asp

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CHINA INTERNATIONAL WATER & ELECTRIC CORPORATION	State-owned large scale enterprise under the direct jurisdiction of the central government of China, engaging in contracting overseas engineering projects, implementing overseas economic aid projects provide by Chinese government, providing manpower services and handling import and export trading etc. and is under the sectoral and professional guidance of the Ministry of Foreign Trade and Economic Cooperation and the Ministry of Water Resources.	China	Example: Construction of a landfill and a septage treatment facility in Kumasi, Ghana					www.cwe.com.cn
M/S SAMCOTA LTD	Could not locate	Ghana	Example: Construction of a landfill and a septage treatment facility in Sekondi-Takoradi, Ghana					
Bioland		Ghana	Commercialize a danish product called Biokube (wastewater treatment plant); design, construction, maintainance + servicing.					<a href="mailto:bioland@4u.com.gh">107 NUNGUA LINK, BAATSONAA, SPINTEX ROAD P.O.BOX TN 358, TESHIE NUNGUA ESTATE, ACCRA- GHANA, TEL: 0203-816582/3 FAX: 0203-816584 EMAIL: bioland@4u.com.gh ; www.biolandgh.com</a>
Acquamedia	Specializes in the "Science of phase separation and water remediation and reclamation." Aqua Media was founded in 1989 to apply the technologies of Reverse Osmosis, Ultra filtration and dual media filtration to industrial processing, water features, recreation parks, water purification and waste water treatment. It is now a recognized leader in these areas.	South Africa						<a href="http://aquamedia.co.za/">http://aquamedia.co.za/</a> Contact person: Mandy Berg - <a href="mailto:mandyb@aquamedia.co.za">mandyb@aquamedia.co.za</a>

**SOURCE: IWMI**

Name of Supplier	Brief Profile	Location/Country	Expertise/Technology Type	Recommended Geographical environment	Maximum No of persons served per technology	Cost of Technology. Approx	Performance of the Technology	Contact Address
EcoSan Club Consulting KG	see <a href="http://www.esc-consulting.at/">http://www.esc-consulting.at/</a>	Austria	Constructed wetlands	all	1000	??	high	<a href="http://www.esc-consulting.at/">http://www.esc-consulting.at/</a>
VA TECH WABAG Ltd.	see <a href="http://www.wabag.com/">http://www.wabag.com/</a>	Austria	Activated sludge	all	large scale	high	high	<a href="http://www.wabag.com/">http://www.wabag.com/</a>

SOURCE: BOKU



Name of Supplier	Brief Profile	Location/Country	Expertise/Technology Type	Recommended Geographical environment	Maximum No of persons served per technology	Cost of Technology. Approx	Performance of the Technology	Contact Address
ttz Bremerhaven	As a market oriented and independent provider of research services, we – the team at Bremerhaven Technology-Transfer-Centre (ttz) – give innovative ideas a home. We offer our clients from the business community, associations, ministries, district authorities and international organizations applied research, development and practical implementation in the following fields: Food technology and bio process engineering, analytics as well as water, energy and land use management at four locations in Bremerhaven. Clients from Germany, Europe and throughout the world have profited from our services for over 20 years	Tunisia Morocco Mali Ivory Coast Ghana Egypt Burkina Faso	Pour-flush toilet Low-volume toilet Dry toilet  <b>Transport</b> Vacuum sewerage Urine pipes Simplified sewerage • Manual urine transport					<b>Address:</b> An der Karlstadt 6 Postal code: 27568 City: Bremerhaven Contact person: Leonellha Barreto Phone: +49 471 9448 717 Fax: +49 471 9448 722 Email: lbarretodillon@yahoo.com Web: http://www.ttz-bremerhaven.de
			<b>On-Site collection</b> Greywater garden (mulch trench)/ green walls/ tower garden Composting chamber Anaerobic digester Alternating double dehydration chambers/ dehydrating toilet/latrine					
			<b>Transport</b> Vacuum sewerage Urine pipes Simplified sewerage Manual urine transport					
			<b>Off-Site treatment</b> UASB reactor Trickling filter Floating macrophyte ponds Conventional activated sludge Constructed wetlands					



<p><b>FCG International Ltd</b></p>	<p>The mission of the FCG International Ltd is to provide capacity building and human resources development services as well as a wide range of physical and social infrastructure planning and management services worldwide, and in this way to contribute to economic, social and environmental development.</p>	<p>Algeria Botswana, Egypt Ethiopia, Ghana, Kenya Lesotho, Liberia, Libya Malawi, Mozambique, Namibia, Nigeria, Somalia South Africa, Sudan, Swaziland, Tanzania, Tunisia Uganda, Zambia, Zimbabwe</p>	<p><b>Economical aspects of sanitation projects</b>                      Financial counseling                      Investors, Public &amp; Private Partnership                      Policy issues and enabling environment                      Institutional development advice                      Policy development advice</p>				<p>Address: Osmontie 34                      Postal code: 06100                      City: Helsinki                      Contact person: Erkki Tiainen                      Phone: +358 10 409 4455                      Fax: +358 10 409 4453                      Email: fcginternational@fcg.fi                      Web:  <a href="http://www.fcginternational.fi">http://www.fcginternational.fi</a></p>
			<p><b>Social issues of sanitation programs</b>                      Health and hygiene awareness raising                      Organization and empowerment community                      Role of local and regional authorities                      Social / rural development</p>				
			<p><b>Technical assistance</b>                      Research and development                      Technical counseling                      Training and education</p>				
			<p><b>Complete sanitation systems</b>                      Design, planning &amp; consulting                      Implementation of projects                      Monitoring and evaluation                      Quality control &amp; stabilisation</p>				
<p><b>wockoliver</b></p>		<p>Algeria, Burundi                      Central African Republic                      Djibouti, Egypt                      Equatorial Guinea, Ethiopia                      Guinea, Kenya, Liberia                      Libya, Mauritius                      Nigeria, South Africa, Sudan                      Tanzania, Zimbabwe</p>	<p><b>On-Site collection</b>                      Alternating double dehydration chambers/ dehydrating toilet/latrines                      Anaerobic baffled reactor                      Anaerobic digester                      Composting chamber                      Pre-treatment- grease trap and grit trap of greywater                      Septic tank                      Slow sand filtration of grey water</p>				<p>Address: 321 sukhna enclave                      Postal code: 160017                      City: Chandigarh                      Contact person: shellay                      Phone: 00919876199416                      Fax:                      Email:  <a href="mailto:wockolive.chdr@gmail.com">wockolive.chdr@gmail.com</a>                      Web:  <a href="http://www.wockoliver.com">http://www.wockoliver.com</a></p>



			<p><b>Off-Site treatment</b>                  Drying beds                  Floating saprophyte ponds                  Off-site urine storage                  Settling ponds                  UASB reactor</p>					Profile: water and waste water equipment's
Deutsche GTZ GmbH		Algeria, Angola, Benin Botswana, Burkina Faso Burundi, Cameroon, Chad Congo, Egypt, Ethiopia, and Ghana Guinea, Ivory Coast, Kenya, Madagascar, Malawi ,Mali Mauritania, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda Senegal , South Africa, Tanzania and Togo	<p><b>Complete sanitation systems</b>                  Design, planning &amp; consulting                  Implementation of projects                  Monitoring and evaluation                  Operation and maintenance                  Quality control &amp; stabilization                  Upgrade of existing systems</p>					Address: 5180 Dag- Hammarskjold-Weg 1-5 Postal code: 65726 City: Eschborn Contact person: Elisabeth von Muench Phone: +49 61 96 79-4221 Fax: +49 61 96 79-804221 Email: gtz-mali@ml.gtz.de Web: http://www.gtz.de
			<p><b>Individual components of sanitation systems</b>                  User interface / Toilets                  Composting toilet                  Diversion toilet                  Dry toilet                  Urinal</p>					
			<p><b>On-Site collection</b>                  Alternating double dehydration chambers/ dehydrating toilet/latrine                  Alternating twin-pit Latrine/ fossa alte                  Anaerobic baffled reactor                  Anaerobic digester                  Composting chamber                  Constructed wetlands to treat grey water                  Greywater garden (mulch trench)/ green walls/ tower garden                  Long-term storage of urine in different types of containers                  Pre-treatment- grease trap and grit trap of greywater                  Slow sand filtration of grey water</p>					





			<p><b>Transport</b>                  Human powered faecal sludge emptying and transport                  Manual urine transport                  Simplified sewerage                  Small-bore sewers                  Truck for urine transport                  Urine pipes                  Vacuum sewerage</p>					
			<p><b>Off-Site treatment</b>                  Co-composting                  Constructed wetlands                  Drying beds                  Faecal sludge treatment by worm composting                  Floating macrophyte ponds                  Off-site urine storage                  Settling ponds                  UASB reactor</p>					
AEE INTEC	<p>The water department at AEE INTEC carries out research on, and develops concepts towards, zero outflow systems for domestic water supply and sanitation, on a household as well as a community scale. We develop treatment systems, e.g. constructed wetlands, for the treatment and especially the reclamation of waste water, either as irrigation water or for minor domestic purposes. We have gained experience from the 600 wetlands built according to our design, many of which we monitor on a regular basis. Additionally, we are developing integrated systems comprising water-saving, the separate collection and treatment of different domestic waste water components and the re-use of water and nutrients. These systems take quality requirements for different domestic uses into consideration, and the possibility of using water from various sources, e.g. potable water, rainwater, treated grey water and waste water, for different purposes. AEE INTEC's strategy is to include a dissemination component in all R&amp;D projects in order to promote awareness of the developments and apply them as widely as possible.</p>	<p>Egypt, Kenya, Morocco                  Rwanda, Senegal, Tanzania                  Tunisia</p>	<p>Complete sanitation systems                  Design, planning &amp; consulting                  Implementation of projects                  Monitoring and evaluation                  Quality control &amp; stabilisation                  Upgrade of existing systems                  Individual components of sanitation systems</p> <p><b>User interface / Toilets</b>                  Composting toilet                  Diversion toilet                  Dry toilet                  Low-volume toilet                  Pour-flush toilet                  Urinal                  Ventilated improved single pit latrine (VIP)</p>					<p>Address: Feldgasse 19                  Postal code: 8200                  City: Gleisdorf                  Contact person: Martin Regelsberger                  Phone: 0043 3112 5886 50                  Fax: 0043 3112 5886 51                  Email: m.regelsberger@aee.at                  Web: <a href="http://www.aee-intec.at">http://www.aee-intec.at</a></p>
			<p><b>On-Site collection</b>                  Alternating double dehydration chambers/ dehydrating toilet/latrine                  Alternating twin-pit Latrine/ fossa alte                  Anaerobic baffled reactor                  Anaerobic digester</p>					



			Composting chamber Constructed wetlands to treat grey water Greywater garden (mulch trench)/ green walls/ tower garden Long-term storage of urine in different types of containers Pre-treatment- grease trap and grit trap of greywater Septic tank					
			<b>Off-Site treatment</b> Co-composting Constructed wetlands Drying beds Faecal sludge treatment by					
			<b>Transport</b> Conventional gravity sewers Human powered faecal sludge emptying and transport Manual urine transport Simplified sewerage Small-bore sewers Truck for urine transport Vacuum sewerage					
			worm composting Floating macrophyte ponds Off-site urine storage Settling ponds Trickling filter UASB reactor Waste stabilization ponds (WSP)					
<b>Ecopsis SA</b>	Profile: ECOPSIS Ltd offers international advisory services in the sanitation sector: institutional capacity building, project cycle management, sanitation marketing, private sector promotion, technical expertise. Please visit our website for an up-to-date list of our references and more detailed information on our services. We are looking forward to hearing from you.	Zimbabwe, Zambia, Uganda Tunisia, Togo, Tanzania São Tomé and Príncipe Swaziland, Sudan, South Africa, Somalia, Sierra Leone Seychelles, Senegal, Rwanda Nigeria, Niger, Namibia Mozambique, Morocco Mauritius, Mauritania Mali, Malawi, Madagascar Libya, Liberia, Lesotho Kenya, Ivory Coast Guinea-Bissau, Guinea	Complete sanitation systems • Upgrade of existing systems • Quality control & stabilisation • Monitoring and evaluation • Design, planning & consulting Individual components of sanitation systems					Address: Place de l'Hôtel-de-Ville 5 Postal code: P.O. Box 152 City: 1096 Cully Contact person: Derko Kopitopoulos Phone: +41-21-799 11 11 Fax: +41-21-799 12 15 Email: info@ecopsis.com Web: <a href="http://www.ecopsis.com">http://www.ecopsis.com</a>
			User interface / Toilets Ventilated improved single pit					



		Ghana, Gambia, Gabon Ethiopia, Eritrea Equatorial Guinea, Egypt Djibouti, Congo, Comoros Chad, Central African Republic, Cape Verde Cameroon, Burundi Burkina Faso, Botswana Benin, Angola, Algeria	latrine (VIP) Urinal Pour-flush toilet Low-volume toilet High-volume toilet Dry toilet Diversion toilet Composting toilet					
			<b>Transport</b> Vacuum sewerage Urine pipes Truck for urine transport Small-bore sewers Simplified sewerage Manual urine transport Human powered faecal sludge emptying and transport Faecal sludge emptying and transport by vacuum tanker Conventional gravity sewers					
			<b>On-Site collection</b> Slow sand filtration of grey water Septic tank Pre-treatment- grease trap and grit trap of greywater Long-term storage of urine in different types of containers Greywater garden (mulch trench)/ green walls/ tower garden Constructed wetlands to treat grey water Composting chamber Cesspit or cesspool Anaerobic digester Anaerobic baffled reactor Alternating twin-pit Latrine/ fossa alte Alternating double dehydration chambers/ dehydrating toilet/latrine					



			<p><b>Off-Site treatment</b>                  Waste stabilization ponds (WSP)                  UASB reactor                  Trickling filter                  Settling ponds                  Off-site urine storage                  Floating macrophyte ponds                  Faecal sludge treatment by worm composting                  Drying beds                  Conventional activated sludge                  Constructed wetlands                  Co-composting</p>					
<b>Addicom (Pty) Ltd</b>	<p>EcoSmellstop (ESS) System for Waterless and Odourless urinals. The ESS one way valve works without chemicals. It has due to strict design adherence to hydrodynamic laws (Bernoulli) self cleaning properties. The ESS works well in rural areas due to its simplicity and therefore ease of maintenance. The system is resistant to vandalism. Our System is marketed worldwide. We will sell molds, at cost, to produce urinal bowls locally to save shipping costs. The ESS element is air freighted as weight is minimal</p>	<p>Zimbabwe, Zambia, Uganda                  Tunisia, Togo, Tanzania                  São Tomé and Príncipe                  Swaziland, Sudan, South Africa, Somalia, Sierra Leone                  Seychelles, Senegal, Rwanda                  Nigeria, Niger, Namibia                  Mozambique, Morocco                  Mauritius, Mauritania                  Mali, Malawi, Madagascar                  Libya, Liberia, Lesotho                  Kenya, Ivory Coast                  Guinea-Bissau, Guinea                  Ghana, Gambia                  Gabon, Ethiopia, Eritrea                  Equatorial Guinea, Egypt                  Djibouti, Congo, Comoros                  Chad, Central African Republic, Cape Verde                  Cameroon, Burundi                  Burkina Faso, Botswana                  Benin, Angola, Algeria</p>	<p>Services of the company / organisation                   Social issues of sanitation programs                  Social / rural development                   Individual components of sanitation systems                  User interface / Toilets                  Urinal                  On-Site collection                  Long-term storage of urine in different types of containers</p>					<p>Address: PO Box 668                  Postal code: 1400                  City: Germiston                  Contact person: Peter Dahmxxxx                  Phone: +27 11 483 0212                  Fax: + 27 86 601 7659                  Email: info@addicom.net                  Web:  <a href="http://www.addicom.co.za">http://www.addicom.co.za</a></p>
<b>Stockholm Environment Institute</b>		<p>Algeria, Angola, Benin                  Botswana, Burkina Faso                  Burundi, Cape Verde                  Central African Republic                  Chad, Comoro, Congo                  Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia                  Gabon, Gambia, Ghana                  Guinea, Guinea-Bissau                  Ivory Coast, Kenya, Lesotho                  Liberia, Libya, Madagascar                  Malawi, Mali, Mauritania</p>	<p>Services of the company / organisation                   Policy issues and enabling environment                  Institutional development advice                  Policy development advice                  Social issues of sanitation programs                  Health and hygiene awareness raising                  Mass communication                  Organisation and empowerment</p>					<p>Address: Kräftriket 2B                  Postal code: 106 91                  City: Stockholm                  Contact person: Arno Rosemarin                  Phone: +46 8 674 7430                  Fax:                  Email: arno.rosemarin@sei.se                  Web:  <a href="http://www.ecosanres.org">http://www.ecosanres.org</a>                   Profile: EcoSanRes</p>



		<p>Mauritius, Morocco Mozambique, Namibia, Niger Nigeria, Rwanda, Senegal Seychelles, Sierra Leone Somalia, South Africa, Sudan Swaziland São Tomé and Príncipe Tanzania, Togo, Tunisia Uganda, Zambia, Zimbabwe</p>	<p>community Role of local and regional authorities Social / rural development Social animation</p>					Programme
			<p>Technical assistance Research and development Technical counseling Training and education</p> <p>Complete sanitation systems Design, planning &amp; consulting Implementation of projects Monitoring and evaluation Operation and maintenance Quality control &amp; stabilisation Upgrade of existing systems</p>					
<p><b>DT-keskus Kuivakäymälä</b></p>	<p>A specialist company in the field of dry sanitation: sale of a wide variety of products related to sanitation, technical advice services, turn-key services</p>	<p>Equatorial Guinea, Egypt Djibouti, Congo, Comoros Chad, Central African Republic, Cape Verde Cameroon, Burundi Burkina Faso, Botswana Benin, Angola, Algeria Eritrea, Ethiopia, Gabon Gambia, Ghana, Guinea Guinea-Bissau, Ivory Coast Kenya, Lesotho Liberia, Libya, Madagascar Malawi, Mali, Mauritania Mauritius, Morocco Mozambique, Namibia Niger, Nigeria, Rwanda Senegal, Seychelles Sierra Leone, Somalia South Africa, Sudan Swaziland São Tomé and Príncipe, Tanzania, Togo, Tunisia Uganda, Zambia, Zimbabwe</p>	<p><b>Technical assistance</b> Technical counseling</p> <p>Complete sanitation systems Operation and maintenance Design, planning &amp; consulting</p> <p>User interface / Toilets Dry toilet Diversion toilet Composting toilet</p>					<p>Address: Kyläojankatu 21 Postal code: 33700 City: Tampere Contact person: Raini Kiukas Phone: +358 50 493 8145 Fax: Email: dt-keskus@kopli.fi Web: <a href="http://www.kopli.fi">http://www.kopli.fi</a></p>



<p><b>PikkuVihreä Ltd</b></p>	<p>PikkuVihreä is an environmental company which specialises in ecological toilets. The company is based in Turku, Finland, but operates both in domestic and international markets</p>	<p>Algeria, Angola, Benin Botswana, Burkina Faso Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Comoros Congo, Djibouti, Egypt Equatorial Guinea, Eritrea Ethiopia, Gabon, Gambia Ghana</p>	<p>User interface / Toilets Urinal Dry toilet Diversion toilet Composting toilet</p>				<p>Address: Taalintehtaankatu 6 Postal code: 20750 City: Turku Contact person: Jukka Lindroos Phone: +358 400 782 129 Fax: +358 2 242 5641 Email: jukka.lindroos@pikkuvihrea.fi Web: http://www.pikkuvihrea.fi</p>
<p><b>Biolan Ltd</b></p>	<p>Biolan Ltd is a company that develops, manufactures and markets growing medias, fertilizers, soil improvement materials and products for composting. The Company is also involved in the development of products and techniques designed to promote the processing and utilisation of household waste and other types of waste, and the enhancement and protection of the environment</p>	<p>Zimbabwe, Zambia, Uganda Tunisia, Togo Tanzania, São Tomé and Príncipe, Swaziland Sudan, South Africa Somalia, Sierra Leone Seychelles, Senegal Rwanda, Nigeria, Niger Namibia, Mozambique Morocco, Mauritius, Mauritania, Mali</p>	<p>User interface / Toilets Dry toilet Diversion toilet Composting toilet Low-volume toilet</p>				<p>Address: P.O. Box 2 Postal code: 27501 City: Kauttua Contact person: Kaj Paavola Phone: +358 2 5491 600 Fax: +358 2 5491 660 Email: export@biolan.fi Web: http://www.biolan.fi</p>
<p><b>Tampere University of Technology</b></p>		<p>Botswana, Egypt, Eritrea Ethiopia, Ghana, Kenya Lesotho, Libya, Malawi Namibia, Nigeria, South Africa, Swaziland, Tanzania Tunisia, Uganda, Zambia Zimbabwe</p>	<p>Services of the company / organisation  Policy issues and enabling environment Institutional development advice Policy development advice Social issues of sanitation programs Health and hygiene awareness raising Role of local and regional authorities Technical assistance Research and development Training and education</p>				<p>Address: P.O. Box 541 Postal code: 33101 City: Tampere Contact person: Pekka Pietilä Phone: +35833115111 Fax: +358331152869 Email: pekka.e.pietila@tut.fi</p>

Name of Supplier	Brief Profile	Location/Country	Expertise/Technology Type	Recommended Geographical environment	Maximum No of persons served per technology	Email	Website	Contact Address
MEN MEDITERRANEAN ECO NEGOCE (MEN NEGOCE)			Water treatment, hydraulic pumps, drinking water filters, water treatment by reverse osmosis, WWTPs for small communities...			commercial.men@planet.tn	www.men-tunisie.com	19, boulevard Mongi BALI 4000 SOUSSE
DAR ELMA			wastewater treatment, water treatment by reverse osmosis			kassarmohamed@yahoo.fr		8, Rue H. BEN RHOUMA 2092 MANAR II TUNIS
OASIS TECHNICAL CORPORATION OTC (OTC)			Hydraulic pumps, water treatment, sensors....			h.ghzaiel@dte.otc78.com	www.otc78.com	22rue du Bois Zone industrielle Ksar Saïd Tunis 2086 Manouba
APLICO (APLICO)			water filtraion, wastewater treatment, Controllers, control panels and modules, reverse osmosis...			aplico@planet.tn	www.aplico-tn.com	RUE DES USINES Z.I. SIDI REZIG MEGRINE 2033 MEGRINE
LES ENERGIES RENOUVELABLES (LER)			Audit, water treatment...			commercial@ler.com.tn	www.ler.com.tn	Boulevard 7 Novembre - Imm. Maghrébia Z.I. Charguia2 - 2035, Tunis 1080 TUNIS-CEDEX TUNIS
WATERTECH			Reverse osmosis, water treatment			hassen.annabi@watertech.com.tn	/www.eco-web.com/register/03072.html	9, R. de Bizerte 1006 TUNIS BAB SOUIKA TUNIS
KHRYSTAL ENGINEERING			research engineering, water desalination, water treatment...			khrystaleng@khrystal.com.tn	www.khrystal.com.tn	37, Av. Abou Loubaba EL ANSARI 2091 MENZAH 6 ARIANA
GLOBAL WATER SOLUTION (GWS)			Hydraulic components, water desalination, water treatment			info@g-ws.com	www.g-ws.com	Av. Tahar BEN AMMAR 2092 TUNIS MANAR II
STE DE TRAITEMENT GENERAL DES EAUX (STGE)			Hydraulic components and pumps, water desalination, water treatment...			stge@planet.tn	www.stgegroup.com.tn	Lot. 38 Z.I. Saint Gobain 2014 MÉGRINE RIADH BEN AROUS
SOFILTRA			water treatment, water treatment with reverse osmosis...			sofiltra@gnet.tn	www.sofiltra.com.tn	Route Sidi Mansour Km 1,5 BP N°938 3018 SFAX SFAX
STE TUNISIENNE DE TRAVAUX SPECIAUX (STTS)			Hydraulic components, pumps, water treatment			stts@planet.tn	www.stts.com.tn	Av. 14 janvier Imm. de la Douane 3000 SFAX SFAX
NAKI			Water desalination, water treatment....			info@naki.com.tn	www.naki-group.com	10, R. Hamouda BACHA 1001 TUNIS TUNIS REPUBLIQUE
WATEC			water desalination, water treatment....			watec@planet.tn		59, Rue de France 2013 BEN AROUS BEN AROUS
THE VRS & CIE			Water desalination, water treatment....			vrs@topnet.tn		6, Av. Kheïreddine PACHA 1073 MONTPLAISIR TUNIS

TECHNOWATER			Water desalination, water treatment...				59, Avenue de France 2013 BEN AROUS BEN AROUS
TECHNO CHIMIE			Water desalination, water treatment...				5, Rue Crémieux 1004 MENZAH TUNIS
STE TECHNIQUE D'EQUIPEMENTS DE PISCINES ET DE TRAITEMENTS DES EAUX (STEP)			Water desalination, water treatment...				63, Rue Ibn Jazzar 2046 SIDI DAOUD TUNIS
STATION DE TRAITEMENT EZZOUHOUR			Water desalination, water treatment...				Cité Ezzouhour 4031 SOUSSE EZZOUHOUR SOUSSE
STATION D'EAU M&M			Water desalination, water treatment...				10, Rue de la Chimie ZI Sidi Rèzig 2033 MEGRINE BEN AROUS
SOCIETE DE SERVICES INDUSTRIELS ET D'HYGIENE (SSIH)			Water desalination, water treatment...				217, Avenue Habib BOURGUIBA 7000 BIZERTE BIZERTE
STE D'EQUIPEMENT ET DE MAINTENANCE			Water desalination, water treatment...			amine.manaa@yahoo.fr	27, R. El Maamoun, Cité Mahrajène 1002 TUNIS TUNIS BELVEDERE
SOCIETE D'EQUIPEMENT ET D'ASSISTANCE TECHNIQUE (SEAT)			Water desalination, water treatment...			commercial@seat-tn.com	60, Avenue Habib BOUGATFA BP N°12 A 3099 BOUSTEN SFAX
PURE WATER SYSTEMS (PWS)			Water desalination, water treatment...			info@pws.com.tn	Résidence Le Belvédère II
OZOCHIMIE			Water desalination, water treatment...			ozochimie@topnet.tn	219, Avenue Habib BOURGUIBA 2015 KRAM TUNIS
NEW EAUSTER			Water desalination, water treatment...				55, Avenue Kheïreddine PACHA BP N°112 1073 MONTPLAISIR TUNIS
MEDICAL ASSISTANCE TECHNIQUE (MATEC)			Water desalination, water treatment...			matec@hexabyte.tn	4bis, Rue de Monastir 1006 TUNIS BAB SOUIKA TUNIS
L'UNIVERS DE L'EAU			Water desalination, water treatment...			r.lahache@gnet.tn	Rue Gandhi Résidence Rim 2083 C. GHAZELA ARIANA
HYGECO			Water desalination, water treatment...			hygecotunisie@yahoo.fr	R. Mechain - 4089 KANTAOUI SOUSSE
HYDROPRO TUNISIE			Water desalination, water treatment...			hydroprotunisie@wanadoo.tn	Complexe commercial et administratif le Millinium Bureau n° 11 1er étage Rte de la Marsa 2046 TUNIS SIDI DAOUD
GENERAL WATERS TUNISIE (GWT)			Water desalination, water treatment...			gwt.apt@gnet.tn	4bis, Rue Abou Ala EL MAARI 2080 ARIANA ARIANA
GBM HYC			Water desalination, water treatment...			gmiza.samira@planet.tn	6, Rue de Pasteur 2040 RADÈS BEN AROUS



FUTURAMA			Water desalination, water treatment...					Boulevard du 14 Janvier 4000 SOUSSE SOUSSE
SOCIETE DE TRAITEMENT DES EAUX ET DE SERVICES (STES)			water treatment by reverse osmosis, pumps, water filters accessories, water treatment products, water treatment and desalination...			stes@gnet.tn		2, Rue Darghouth PACHA BP N°683 4180 DJERBA MEDENINE
STE NOUVELLE D'EQUIPEMENTS TECHNIQUES ET DE TRAITEMENT DES EAUX ET DES FLUIFDES (TECNOVA)			Water desalination, water treatment, filters, pumps, water treatment by reverse osmosis...			somem.jmd@planet.tn		12, Av. Louis BRAILLE 1002 TUNIS TUNIS BELVEDERE
COWATER INDUSTRY			pumps, compressors, water treatment, micromechanic...			cowater.industry@planet.tn		72, Rue de Syrie 1002 TUNIS BELVEDERE TUNIS
VA TECH WABAG TUNISIE			water desalination and treatment, wastewater treatment			contact.tunisia@wabag.com		21, Rue Abdelaziz Mastouri - El Menzah IX - 1013 - 2092 TUNIS MANAR II
Dosatech Tunisie			water treatment			dosatech.tunisie@planet.tn		Boulevard de l'Environnement, Chouchet Radés
ttz Bremerhaven			R&D, innovation management, funding advice, studies and analyses, project management, organization and software...			lbarretodillon@yahoo.com	<a href="http://www.ttz-bremerhaven.de">http://www.ttz-bremerhaven.de</a>	An der Karlstadt 6 27568 Bremerhaven
Deutsche GTZ GmbH			vocational training adapted to labour market needs, fund management, development partnerships with the private sector, stakeholder dialogues			elisabeth.muench@gtz.de	<a href="http://www.gtz.de">http://www.gtz.de</a>	5180 Dag-Hammarskjöld-Weg 1-5 65726 Eschborn
EEMS Limited						ambello@eemslimited.com	<a href="http://www.eemslimited.com">http://www.eemslimited.com</a>	Suite 5 ZM Plaza, Ahmadu Bello Way Garki II Plot 1469 Abuja
Tampere University of Technology						pekka.e.pietila@tut.fi		P.O. Box 541 33101 Tampere
FCG International Ltd			Environment and Natural Resources, Infrastructure, knowledge society			fcginternational@fcg.fi	<a href="http://www.fcginternational.fi">http://www.fcginternational.fi</a>	Osmontie 34 06100 Helsinki
Biolan Ltd			composters, dry toilets, wastewater purifiers			export@biolan.fi	<a href="http://www.biolan.fi">http://www.biolan.fi</a>	P.O. Box 2 27501 Kauttua
PikkuVihreä Ltd			toilets, composters, wastewater treatment			jukka.lindroos@pikkuvihrea.fi	<a href="http://www.pikkuvihrea.fi">http://www.pikkuvihrea.fi</a>	Taalintehtaankatu 6 20750 Turku
Stockholm Environment Institute						arno.rosemarin@sei.se	<a href="http://www.ecosanres.org">http://www.ecosanres.org</a>	Kräftriket 2B 106 91 Stockholm
Addicom (Pty) Ltd						info@addicom.net	<a href="http://www.addicom.co.za">http://www.addicom.co.za</a>	PO Box 668 1400 Germiston



Ecopsis SA					info@ecopsis.com	<a href="http://www.ecopsis.com">http://www.ecopsis.com</a>	Place de l'Hôtel-de-Ville 5 P.O. Box 152 1096 Cully
AEE INTEC					m.regelsberger@aee.at	<a href="http://www.aee-intec.at">http://www.aee-intec.at</a>	Feldgasse 19 8200 Gleisdorf
Tianjin Tianyun Carpet Connection Co,Ltd					sarah@tianyuncarpet.com	<a href="http://www.tianyuncarpet.com">http://www.tianyuncarpet.com</a>	4-1-902,Ruiyingyuan,Beichen District 300400 Tianjin
Sepro Membranes			sheet membranes, spiral-wound membrane elements, and associated equipment		bowens@sepromembranes.com		Sepro Membranes, Inc.4115 Avenida de la Plata Oceanside, CA 92056
Sierra Instruments, Inc			flow instrumentation for gas, liquid and steam applications		<a href="http://www.sepromembranes.com">http://www.sepromembranes.com</a>		5 Harris Court, Building L Monterey, California 93940 USA
Pieralisi Group			Decanters, Vertical Separators and Belt Presses...			<a href="http://www.sierrainstruments.com">http://www.sierrainstruments.com</a>	Via Don Battistoni, 1 Jesi, Ancona; 60035 Italy
CREATECH Aqua ApS			Moving Bed technology and biological carrier elements			<a href="http://www.pieralisi.com">http://www.pieralisi.com</a>	Sortevej 40 Hornslet 8543 Denmark
microLAN On-line Biomonitoring Systems			analysers used for water quality monitoring, drinkingwater intake protection, river monitoring and for influent and effluent ...		info@createchaqua.com		Biesbosweg 2 Waalwijk 5145PZ Netherlands
The Hilliard Corporation - Star Systems Filtration Division			filtration systems sold under the trade names of Hilco® and Star® Filters		<a href="http://www.createchaqua.com">http://www.createchaqua.com</a>		100 West Fourth Street Elmira, New York 14902 USA
HORIBA Europe GmbH			CEMS, Ambient, and Process gas instrumentation			<a href="http://www.toxcontrol.com">http://www.toxcontrol.com</a>	Julius Kronenbergstrasse 9 Leichlingen 42799 Germany
Electro-Chemical Devices Inc.			industrial process control instrumentation: sensors, controllers, transmitters, analyzers and electrodes.		hilliard@hilliardcorp.com		1681 Kettering Irvine, California 92614 USA
Watson-Marlow Pumps Group			pumps		<a href="http://www.hilliardcorp.com">http://www.hilliardcorp.com</a>		Falmouth, Cornwall; TR11 4RU United Kingdom
Endress+Hauser Instruments International AG			instrumentation and automation in the water and wastewater industry			<a href="http://www.horiba.com/">http://www.horiba.com/</a>	27 Avenue Louis Braille 1002 Tunis, Tunisia
atech innovations gmbh			ceramic membranes for cross-flow microfiltration and ultrafiltration			<a href="http://www.ecdi.com">http://www.ecdi.com</a>	Am Wiesenbusch 26 D-45966 Gladbeck
Koch Membrane Systems, Inc			systems and membranes for filtration and separation		info@wmpg.fr		850 Main St. Wilmington, MA 01887 USA
Waterloo Environmental Biotechnology Inc.			integrated biotechnologies for remediation of contaminants		<a href="http://www.watson-marlow.fr">http://www.watson-marlow.fr</a>		59 North Oval Hamilton, Ontario L8S 3Y9 Canada



**WATERBIOTECH**

Dynamic Aqua Science, Inc.			compact wastewater plants			instrum@cmr.com.tn		3 Trumpeter Ln Aliso Viejo, California 92656 USA
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**SOURCE: CBS - TUNISIA**