



## Partial Project List

#	Application	Location	Customer	BioShaft System	Description	Capacity (m <sup>3</sup> /Day)	In Operation Since
1	Medical	Kabul, Afghanistan	US Army Corps of Engineers	Concrete	Replaced old wastewater treatment system for military base and hospital. The system was sold to IHFD/ REDCO, Colorado USA.	540	2011
2	Municipal	Sharja, UAE	Municipality	Containerized	Produces water for irrigation and landscaping	170	2011
3	Municipal	Dubai, UAE	Al Nakheel	Containerized	Produces water for irrigation and landscaping	170	2011
4	Municipal	Al Manama, Bahrain	Ministry Of water and wastewater	Concrete	Retrofit to an existing conventional system at the Municipality of Kingdom of Bahrain. The upgrade nearly doubled the system's capacity and reduced sludge production by 80%.	300	2012
5	Industrial	Al Manama, Bahrain	Delmon Poultry	Concrete	MAAD system, treating industrial wastewater to produce water for irrigation of landscaping.	400	2013
6	Municipal	Jeddah- KSA	Jeddah Gate	Containerized	Produces water for irrigation and landscaping	170	2013
7	Municipal	Riyadh- KSA	King Abdullah Financial District	Concrete	Produces water for irrigation and landscaping. Installed at a housing complex and High rise building serving the new central financial District of Saudi Arabia.	560	2013
8	Municipal	Al Khobar- KSA	Al Khobar Lakes,	Packaged Steel	Produces water for irrigation and landscaping. The system serves the first phase of a large housing development at al Khobar - KSA	200	2014
9	Municipal	Jeddah_KSA	Al Jawhara H. Rise Tower	Concrete	Produces water for irrigation and landscaping and a portion is recycled for toilet flush use.	500	2014



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10	Municipal	Hafr Al Batin- KSA	Ministry of Defense	Concrete	Installed at a large military base outside Riyadh. The first phase of a much larger facility. Effluent meets the quality for reuse for irrigation.	14,000	2014
11	Municipal	Jeddah- KSA	Commercial Center (Mall)	Concrete (Underground)	Converts wastewater from the mall and its food court to water for irrigation and landscaping.	100	2014
12	Municipal	ADEN, YEMEN	Commercial / Residential application	Concrete	Installed for a housing complex and offices serving the Alwaseel Cement factory. Produces water for irrigation and landscaping.	300	2014
13	Municipal	Jizan- KSA	Namariq Labor camp	Containerized	Produces water suitable for irrigation and landscaping. The system is a permanent plant serving the first phase of a labor camp.	600	2014
14	Industrial	S. & Center Chautauqua Lake, NY- USA	Southern Tier Brewery Company	Concrete	MAAD System. No Chemicals. No Tertiary Treatment. Influent is wastewater from the brewery's cleaning processes, with BOD of 11,000 mg/L. Effluent BOD is 1,000 mg/l accepted by municipality with a surcharge fee.	285	2014
15	Industrial	USA	R&B Hygiene manufacturer USA	Custom Fiberglass	Turnkey order to custom-design, build, and install a complete solution in a very small footprint to treat wastewater from different cleaning and health care production processes, to meet sewer discharge requirements.	115	2014



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16	Municipal	Doha, Qatar	Housing Compound	Concrete	Produces water suitable for irrigation and landscaping at a private residential community.	600	2015
17	Medical	King Fahd Hospital, Jizan , KSA	Ministry Of Health	Concrete	Wastewater treatment plant for King Fahd Hospital in Jizan, Saudi Arabia Using Bioshaft advanced Biofilm Technology	3,000	2015
18	Medical	King Fahd Hospital, Najran-KSA	Ministry Of Health Tender	Concrete	Wastewater treatment plant for a government Hospital in Najran Saudi Arabia Using Bioshaft advanced Biofilm Technology	1,000	2015
19	Municipal	Jeddah-KSA	Commercial / Residential Tower	Concrete (Underground)	Wastewater treatment system producing water for irrigation of trees and decorative landscape and a portion is recycled for toilet flush use.	300	2015
20	Municipal	Rabigh- KSA	King Abdullah Economic City	Containerized	The system serves the first of three phases of industrial area development at King Abdullah Economic City, Rabigh.	1,000	2015