

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the left and right sides of the frame, creating a modern, dynamic feel. The central area is white, providing a clean space for the text.

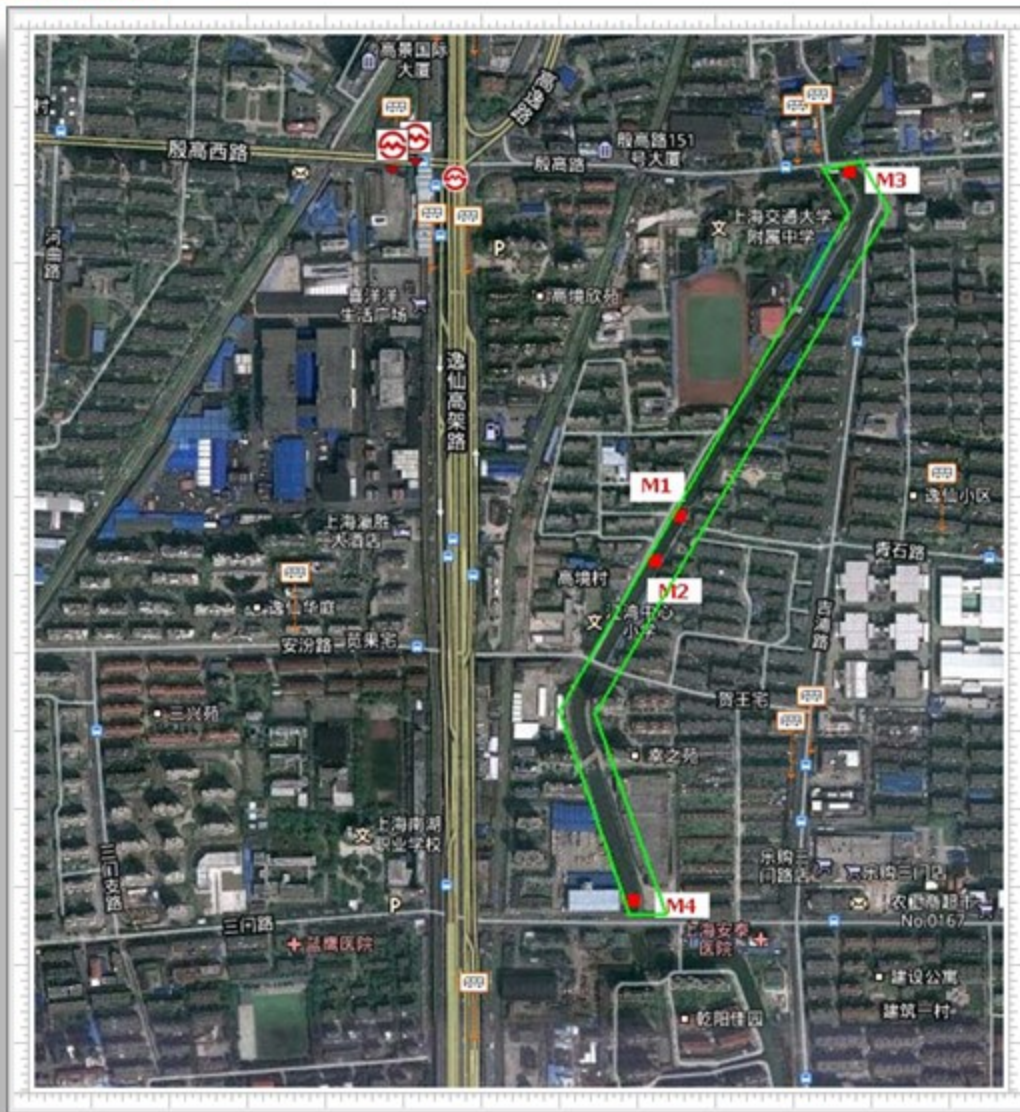
# SHOWCASE 03 : SHANGHAI XIAOJIPU RIVER



TECHNOLOGY

# CHINA SHANGHAI XIAOJIPU RIVER

## Shanghai Xiaojipu River Remediation



## Shanghai Xiaojipu River Remediation Zone Plan

- M1 ( 整治区 )
- M2 ( 整治区 )
- M3 ( 股高路 )
- M4 ( 三门路 )

- 治理範圍
- Treatment Boundary
- 採樣/監測點
- Sampling monitoring Location

Xiaojipu river is approximately 5.152 kilometers in total length (within Baoshan 4.1 km), across the two districts of Baoshan and Yangpu. The river is not only dirty, heavy polluted, and foul smelling, it is also upsetting the nearby residents. Efforts to cleanup the waterway over the year have been attempted before but failed to solve the problem with the conventional methods. The reasons of failure to solving the problem are first Xiaojipu district is a highly populated coastal city and its urban infrastructure is very weak, most of the district is still using combined rainwater and sewage drainage, therefore rainwater and sewage are discharged directly into the river with the storm water pumping station, and is main reason that is causing the river water quality instability. Second reason is Xiaojipu river is a decapitation (beheaded) River, the river water flowrate is obviously insufficient, and the upstream does not have any incoming clean water.



# CHINA SHANGHAI XIAOJIPU RIVER

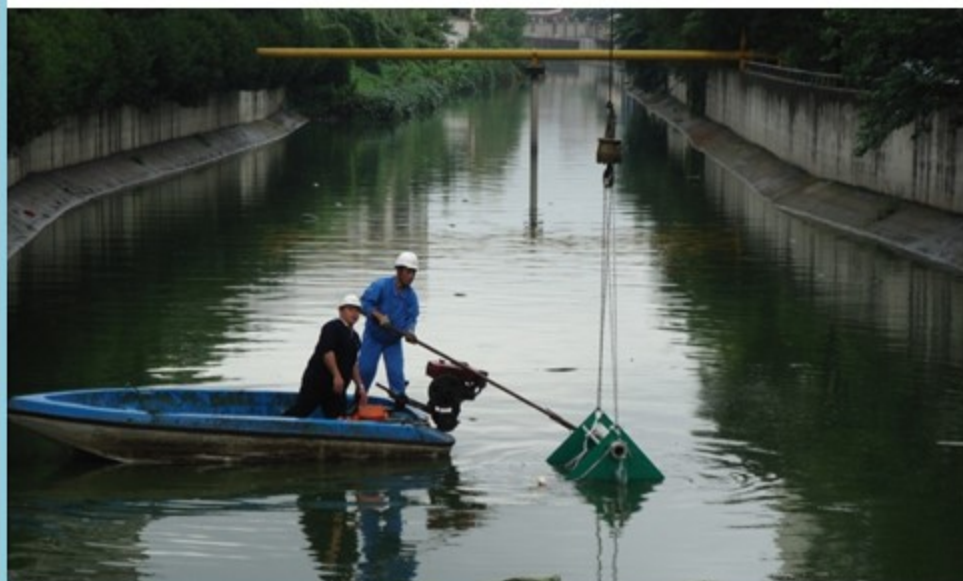
## Shanghai Xiaojipu River Remediation, iQPR Technology and iQPR Water applied on June 25, 2010



Government Officials, Media Interview, Crowd of Curious People



Ongoing Installation of iQPR Equipments by the Staffs





TECHNOLOGY

# CHINA SHANGHAI XIAOJIPU RIVER

## Water Quality Improved After iQPR Treatment

Xiaojiipu (Yingao Road to Sanmen Road Section) river remediation demonstration project in cooperation with the Baoshan Bureau Water Authority was successfully completed on December 25, 2010. Treatment result has achieved the desired goals, and has been recognized by the Water Authority and the surrounding residents.



23 June 2010 (Before)

24 June 2010 (After)

25 August 2010 (After)

28 Sept 2010 (After)

29 Oct 2010 (After)





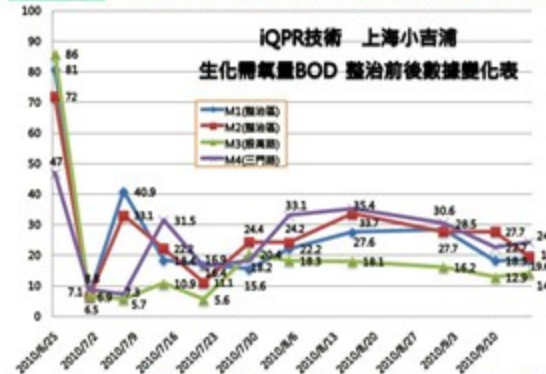
TECHNOLOGY

# CHINA SHANGHAI XIAOJIPU RIVER

## Water Quality Improved After iQPR Treatment

日期	2010/06/25 整治前				2010/07/01 浮台車淨化				2010/07/07 浮台車淨化 (大風淨化)				2010/07/14				2010/07/21				2010/07/29			
檢測點	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4
整治天數	0				7				13				20				27				35			
五日生化需氧量BOD	81.0	72.0	86.0	47.0	7.1	6.5	6.9	8.8	40.9	33.1	5.7	7.3	18.4	22.2	10.9	31.5	16.9	11.1	5.6	16.4	15.6	24.4	20.4	18.2

日期	2010/08/05				2010/08/16 06:15集雨				2010/09/01				2010/09/10				2010/09/16				整體下降率			
檢測點	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4
整治天數	42				53				69				78				84				77.3%			
五日生化需氧量BOD	22.2	24.2	18.3	33.1	26.7	33.7	18.1	35.4	28.5	27.7	16.2	30.6	18.3	27.7	12.9	22.7	18.4	19.6	14.1	24.3	77.3%	72.8%	83.6%	48.3%



全區已無臭味

日期	2010/06/25 整治前				2010/07/01 浮台車淨化				2010/07/07 浮台車淨化 (大風淨化)				2010/07/14				2010/07/21				2010/07/29			
檢測點	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4
整治天數	0				7				13				20				27				35			
化學需氧量COD	216	199	228	123	33.8	37.2	36.1	41	102	80	30.8	32.2	96	60	41	68	66	51	28.2	56	105	87	81	

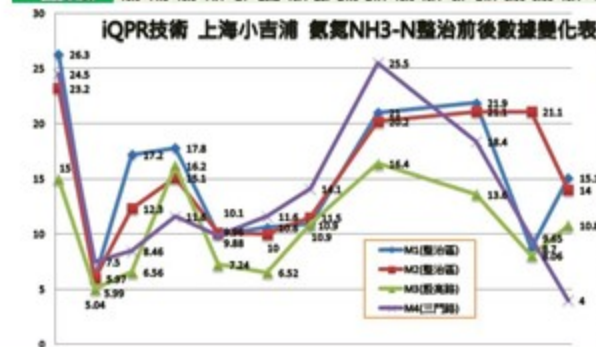
日期	2010/08/05				2010/08/16 06:15集雨				2010/09/01				2010/09/10				2010/09/16				整體下降率			
檢測點	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4
整治天數	42				53				69				78				84				68.1%			
化學需氧量COD	70	70	72	87	129	140	74	128	92	63	84	89	62	90	69	66	66	79	68.1%	65.8%	75.4%	35.9%		



全區已無臭味

日期	2010/06/25 整治前				2010/07/01 浮台車淨化				2010/07/07 浮台車淨化 (大風淨化)				2010/07/14				2010/07/21				2010/07/29			
檢測點	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4
整治天數	0				7				13				20				27				35			
氨氮NH3-N	26.3	23.2	15	24.5	5.97	5.99	5.04	7.5	17.2	12.3	8.98	8.46	17.8	15.1	16.2	11.6	9.96	10.1	7.24	9.88	10.0	9	6.82	11.6

日期	2010/08/05				2010/08/16 06:15集雨				2010/09/01				2010/09/10				2010/09/16				整體下降率			
檢測點	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4	M1	M2	M3	M4
整治天數	42				53				69				78				84				42.6%			
氨氮NH3-N	10.9	11.5	10.9	14.1	21	20.2	18.4	25	21.9	21.1	13.6	18.4	8.7	21.1	8.06	9.65	15.1	14	10.8	4	42.6%	36.7%	28%	83.6%



Shanghai Xiaojipu River was not able to continue to the next phase of remediation after the first phase of compliance after the local contact was lacking of strong relationship with the official.