2021 KOREA-ADB Urban Development Forum



Water networks management in Seoul

June 30th. 2021.

SEOUL WATER

Seoul Water Institute Dong-Hoon Cha

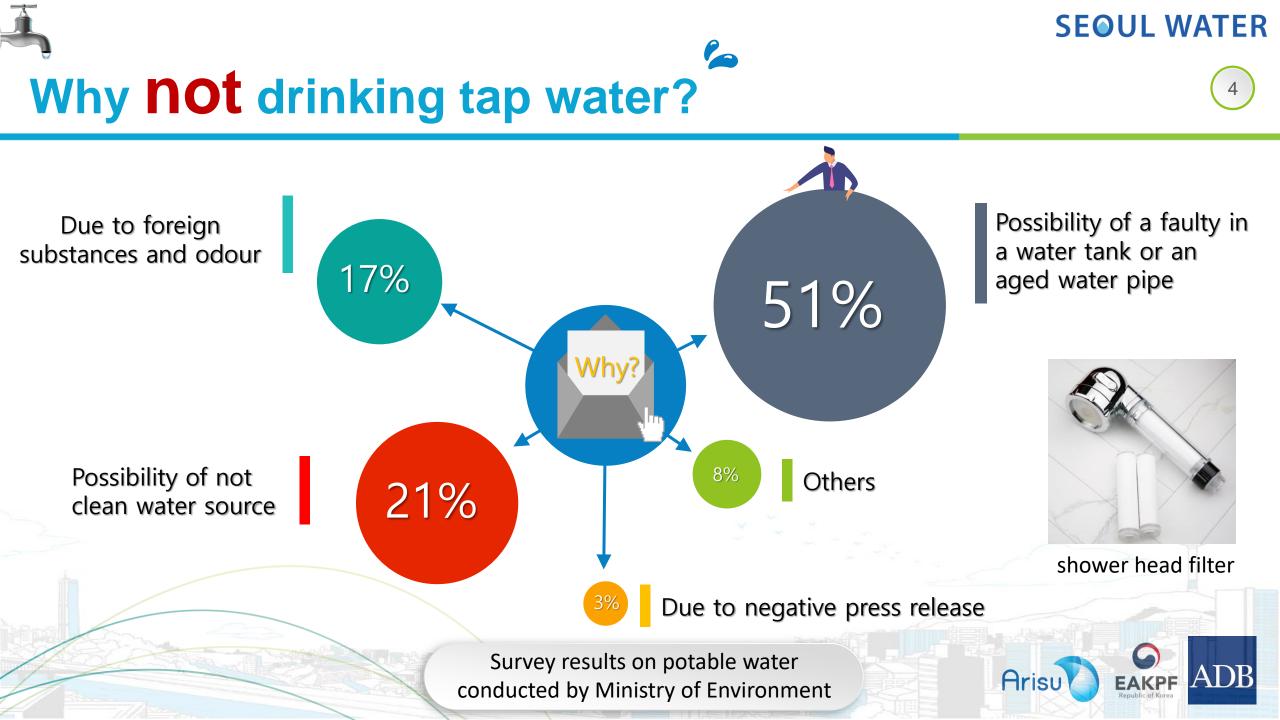
Contents





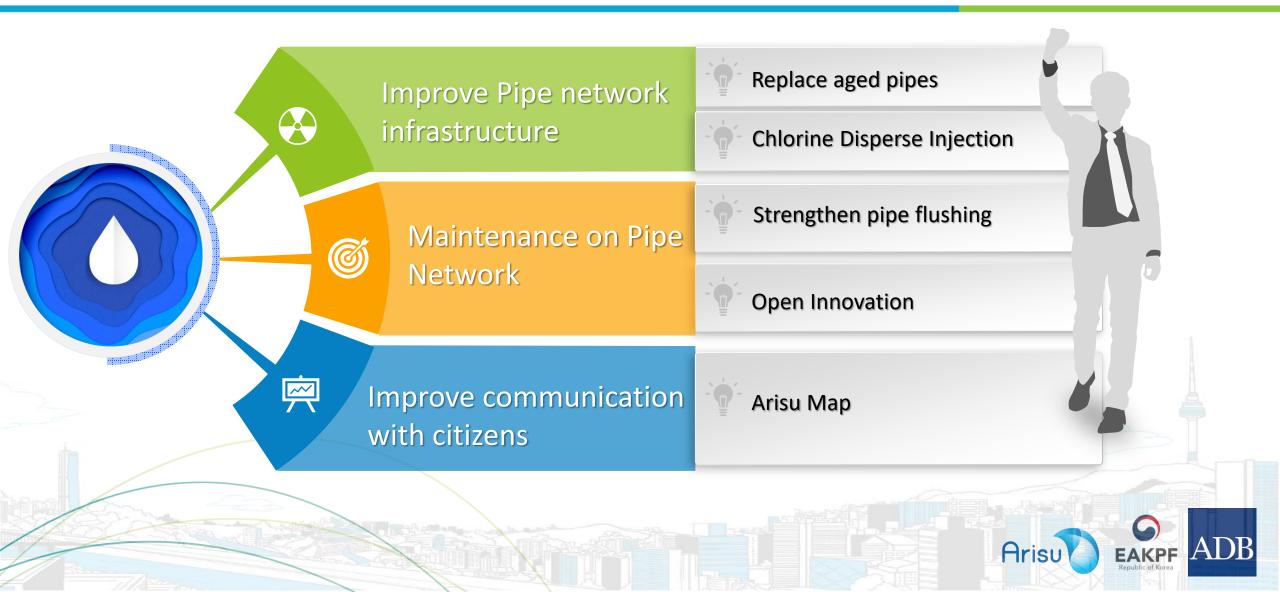
Introduction : SEOUL WATER(ARISU)





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Policy on Pipe Network Management

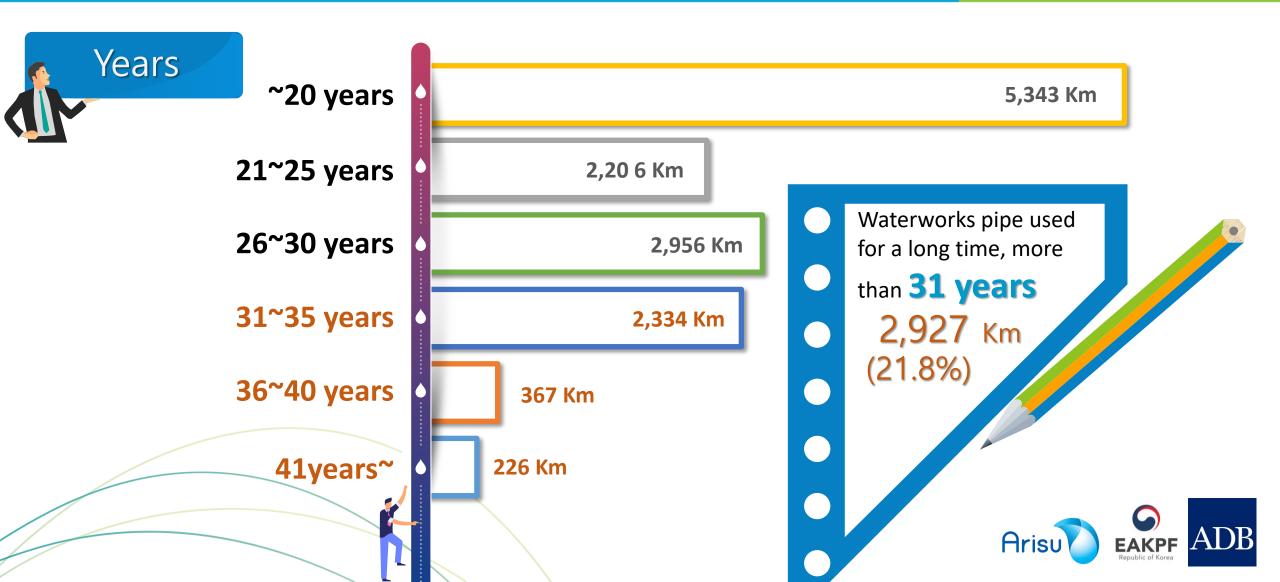


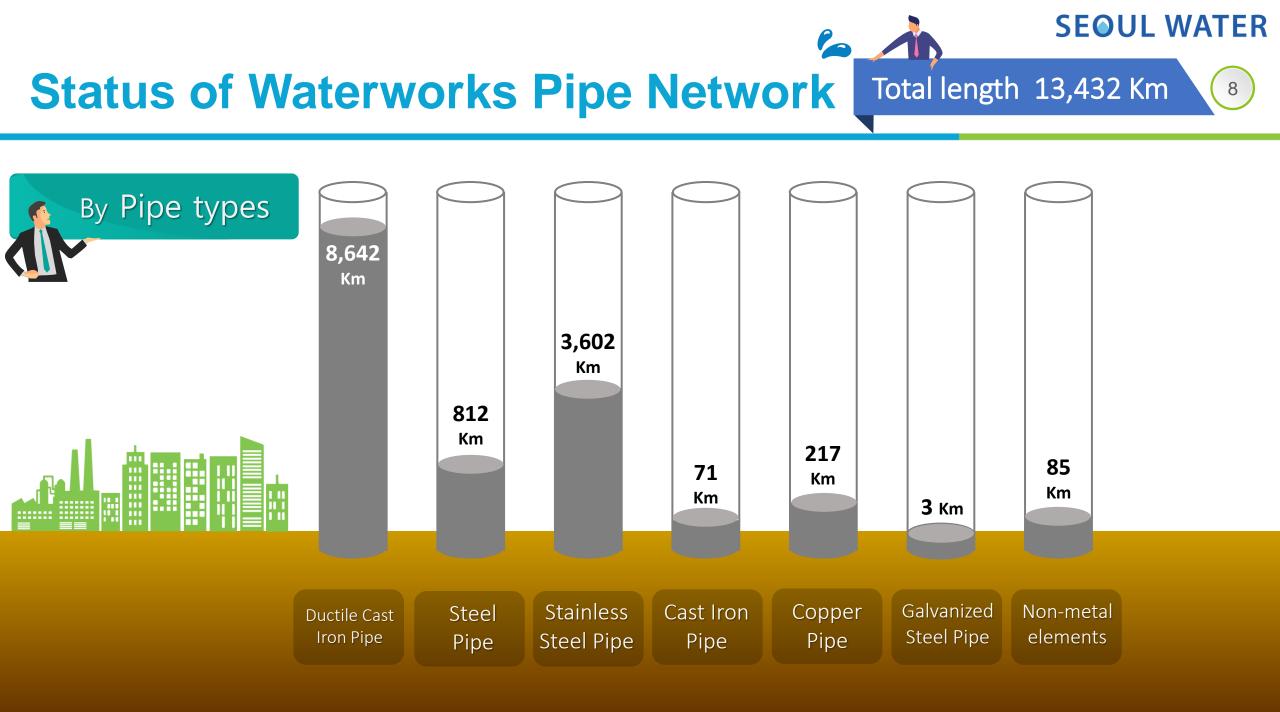




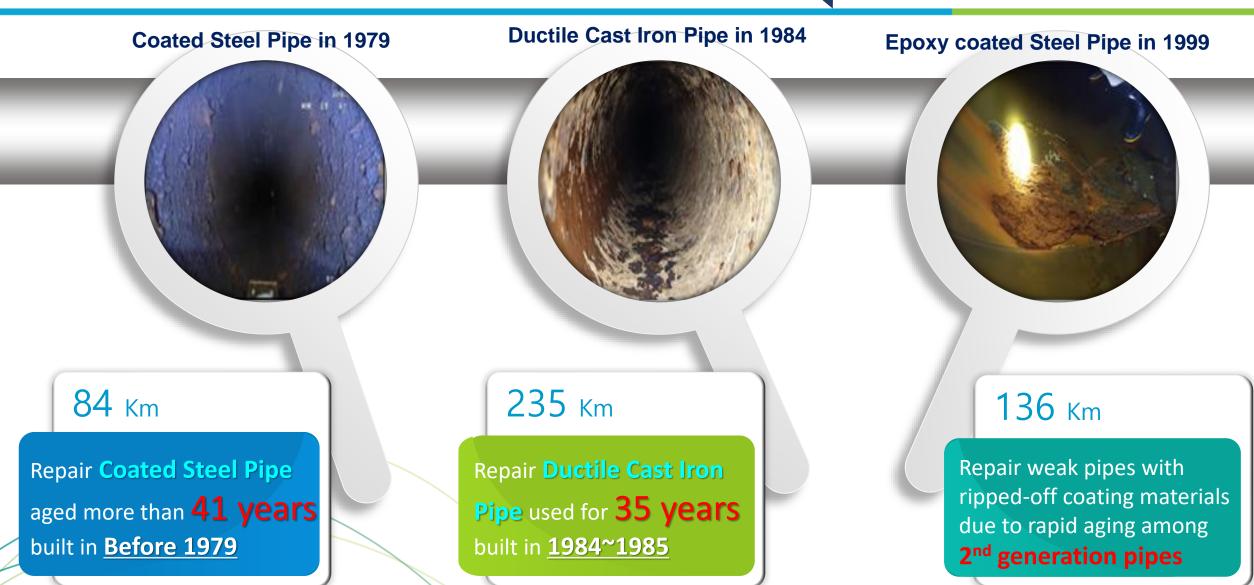
Total length 13,432 Km

Status of Waterworks Pipe Network





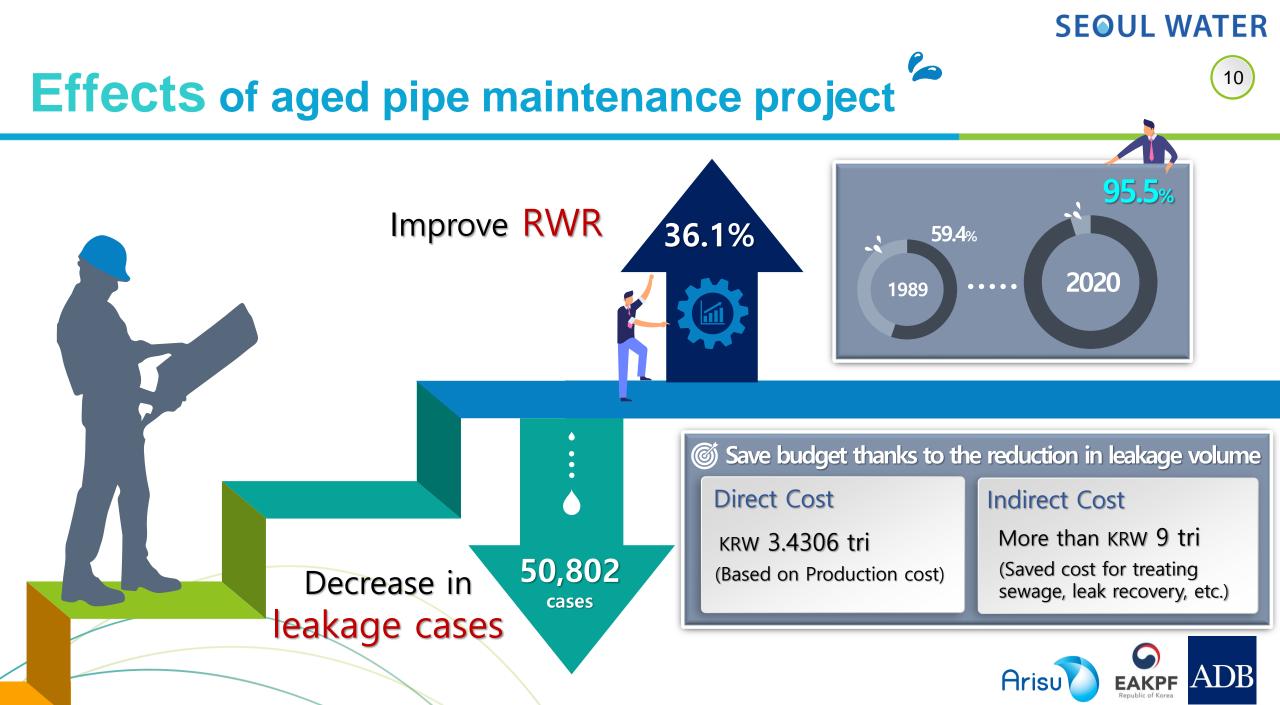
Repair pipes used for a long time

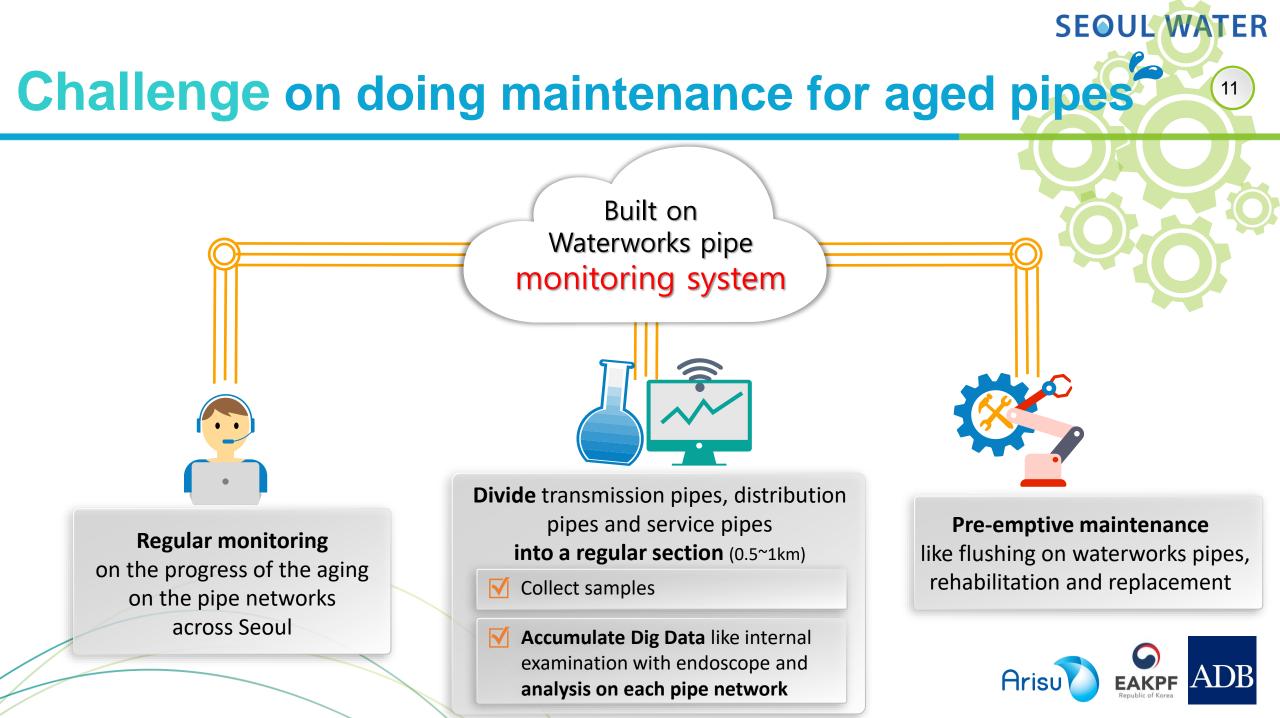


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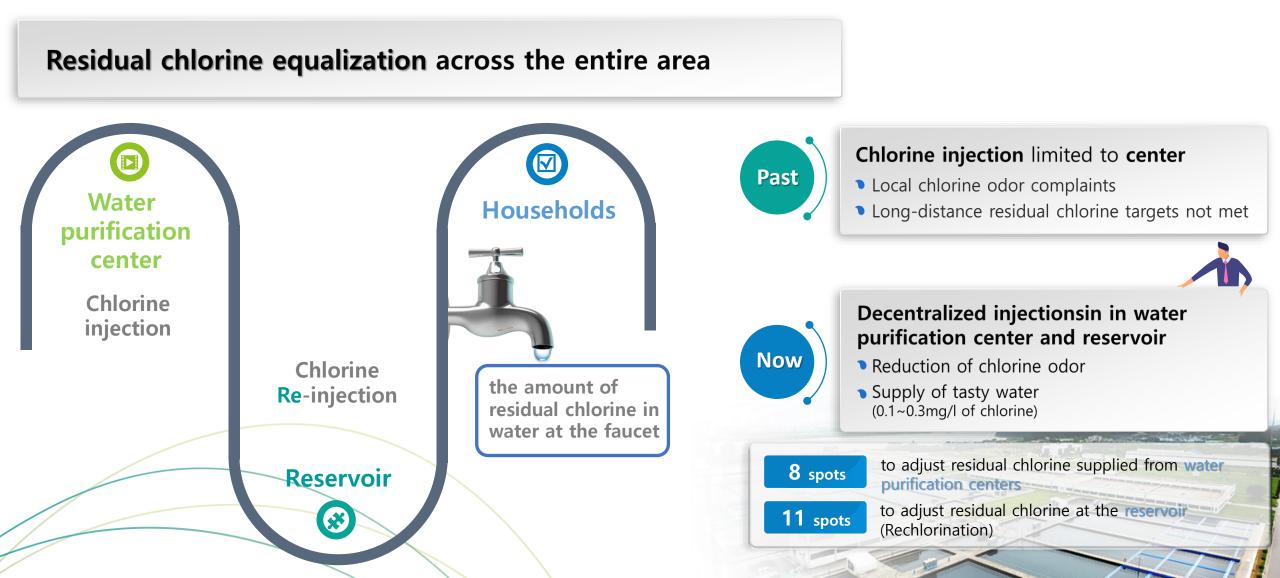
Prioritize pipe repair on 455 Km

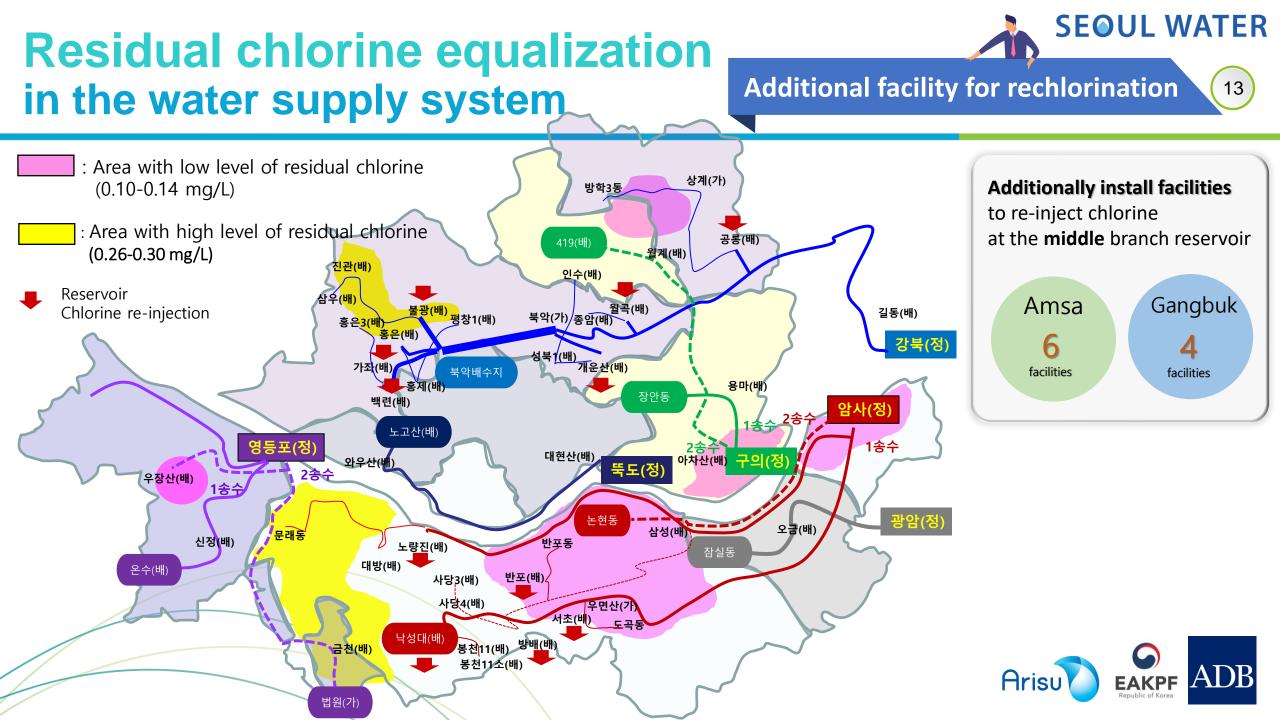




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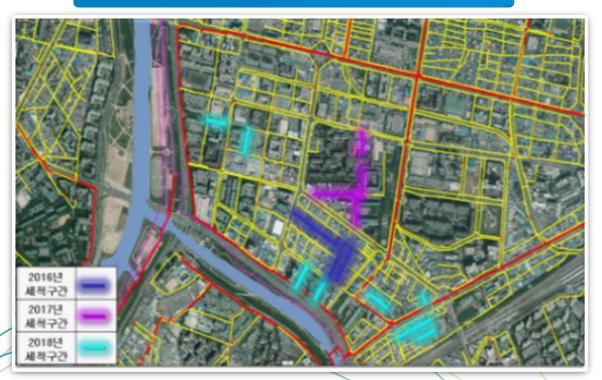


Strengthen water quality management on the pipe network

Extend the flushing target of the pipe network

: flushing the whole area of the small blocks (Since 2020)

Flushing distribution pipes



Flushing by block units

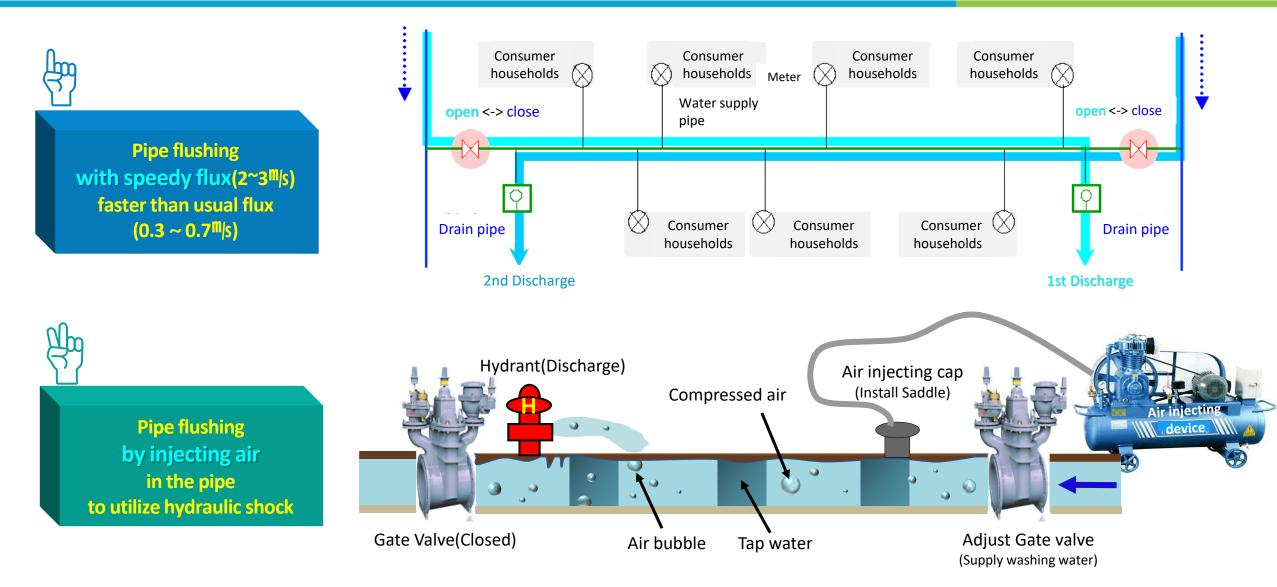
Reinforce Pipe flushing

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Strengthen water quality management on the pipe network



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Reinforce Pipe flushing

Technological revolution: Open Innovation



Pipe Network Flushing Technology Contest

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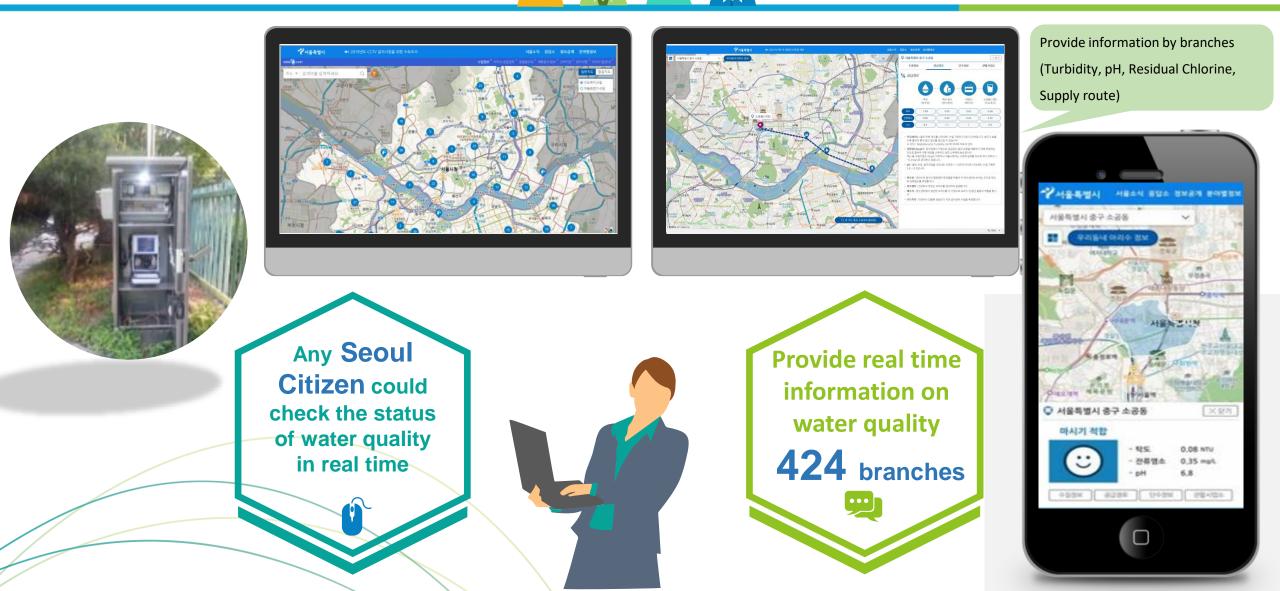
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(For more than DCIP 400mm)

Acquire excellent technologies from the private







SEOUL WATER For the better pipe network management 18 Why pipe network Hard to fully aware the Poor working condition management underground condition so difficult? N (1 P (2)) •••

How to overcome

- Manage and utilize installation and maintenance records
- Build an infrastructure by considering the maintenance of the pipes (Spot for maintenance, Drain valves to discharge washing water)



상수관로 • 8지합대 • 위지 • 부월기간 • 구경(mm) • 시설물번호		6 8	1811 B-81		21	수업계	신족관	21	R.	848	정갑	구 전시방지	사설							
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1		08_5_70894				citri월주월관(DCIP)		835(44)				17		강남수도사업소						
2				K200790350		역타월추월관(DCIP)		空贸务(准本)			0.6	1.6		강남수도시업소						
3		07_C_50078				clet원주했役(DCIP)		898(44)			0.6	1.8		3542485						
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9	- 62	692100143	#42		2563-00-01	의주철관(CIP)	200	838(44)	1991-00-01	에에시티아님 공법	0.7	1.7		강남수도시업소	22.024	번째01	N8.7	0.68		
2	9 65	892100142	1645		2964-00-01	데타필주철관(DCIP)	300	888(44)		에버시리이님 공법	5.5	1.7		강남수도사업소	*****	반분01	서친구	098		

Thank you for your attention

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Seoul Metropolitan Government

