



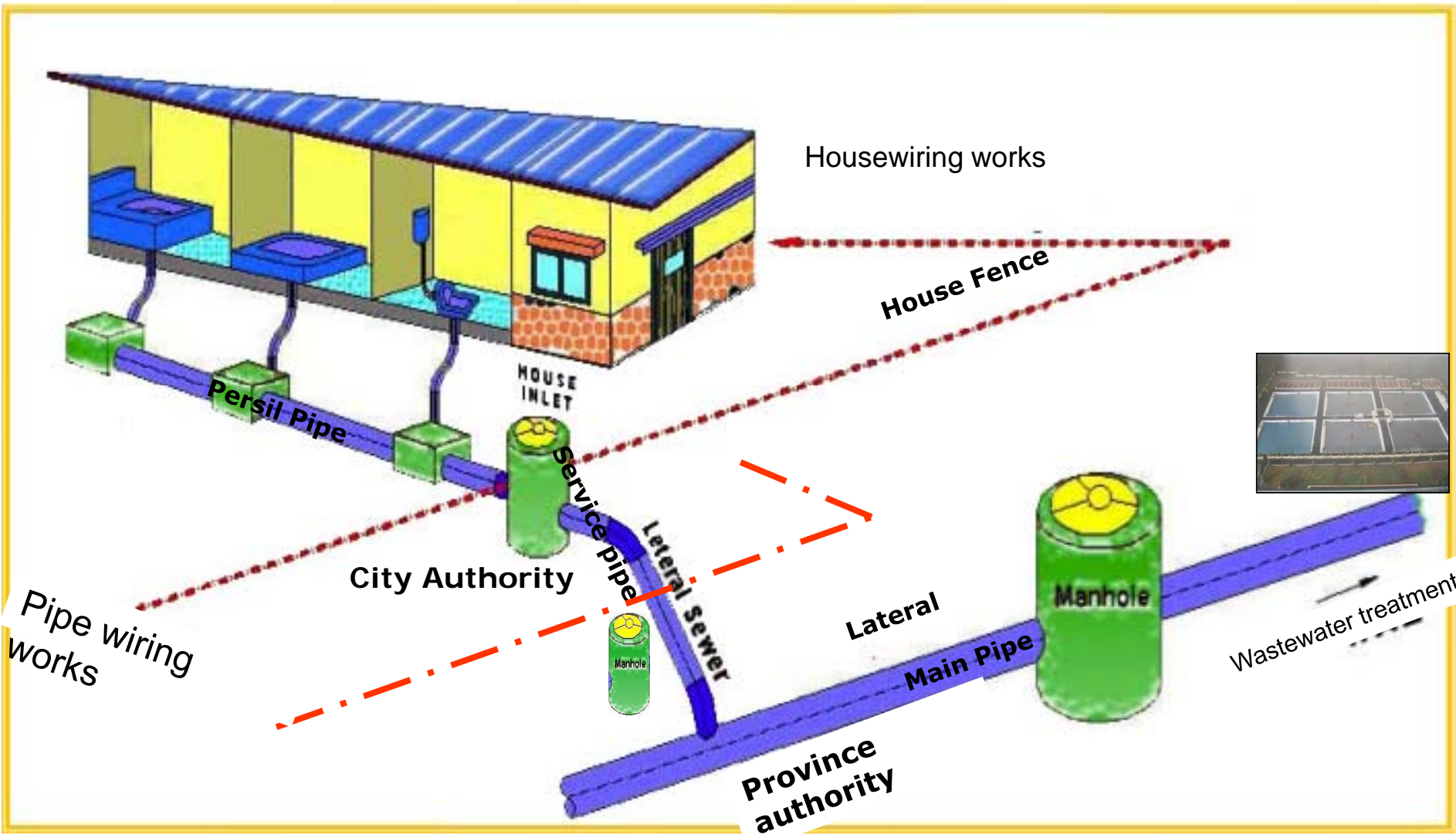
Planning for progress, Planning for Sanitation

YOGYAKARTA, INDONESIA

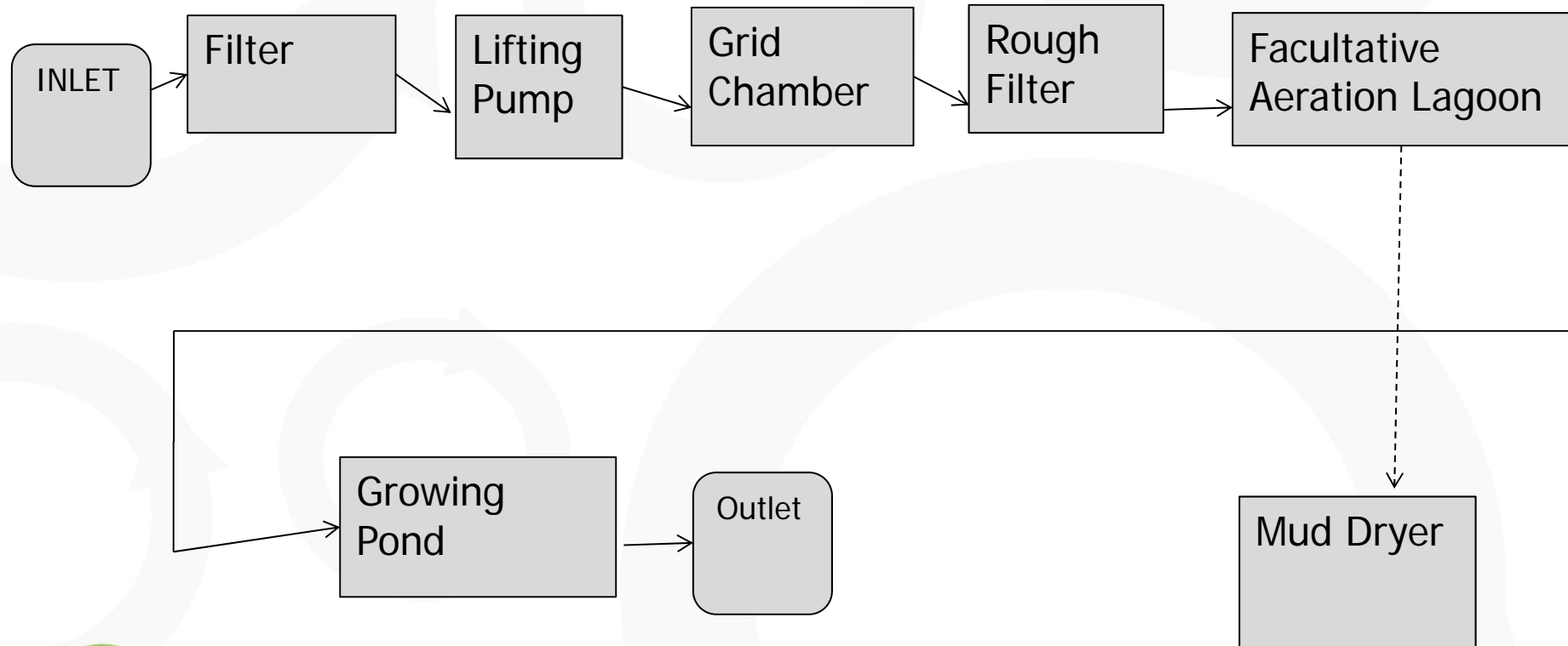
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Wastewater Scheme



Working Diagram On the wastewater Treatment Plant





Vacum Pump



Lift Pump



Aerator



Grid Chamber



House Connection Target

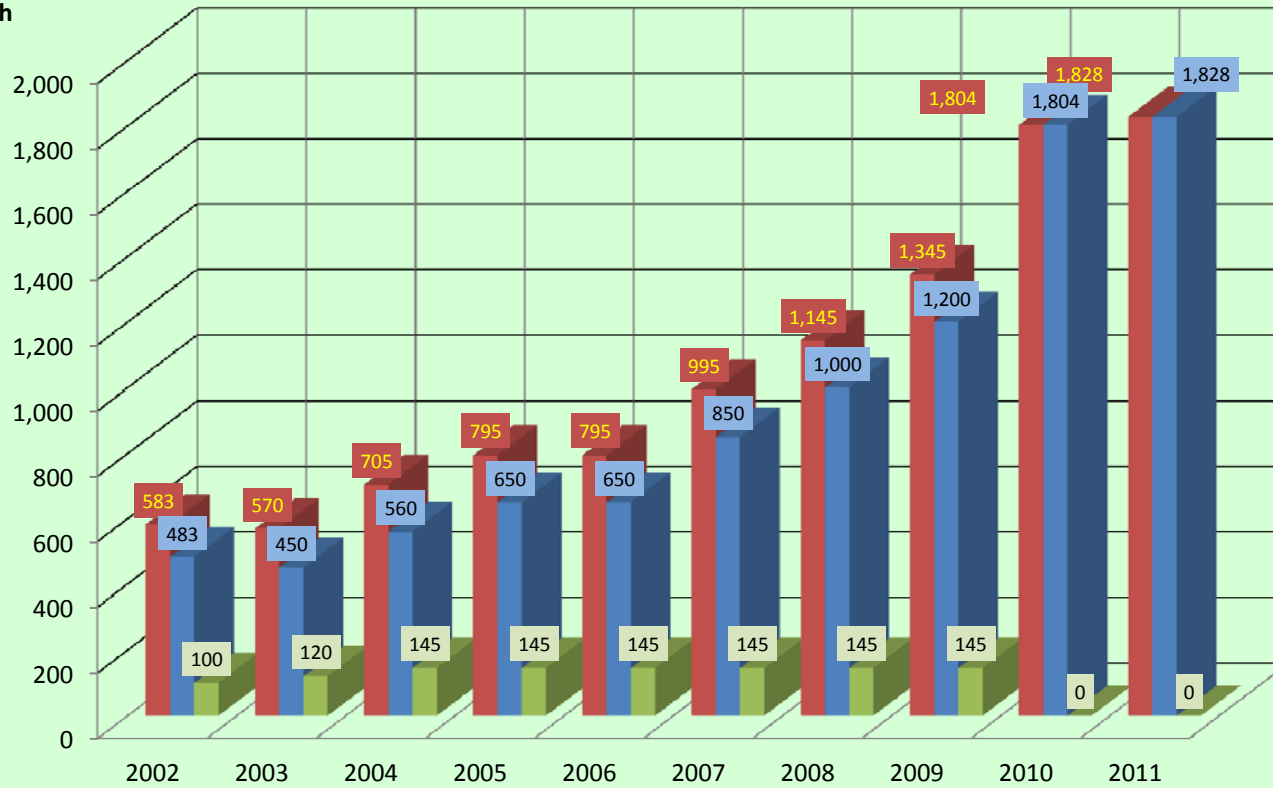
City/ District	Start-2009	2010	2011	2012	2013	2014	2015	Total
SLEMAN								
Existing	0	-	-	-	-	-	-	-
Planning	0	0	750	445	600	600	605	3,000
Real	0	0	600	250				850
YOGYAKARTA								
Existing	10,456	-	-	-	-	-	-	
Planning	0	22	1300	1300	995	995	338	5,000
Real	10,456	22	950	1389				12,817
BANTUL								
Existing	300	-	-	-	-	-	-	
Planning	0	945	500	500	1,800	1,255	1000	6,000
Real	300	0	199	35				564

Total house connection covered by Our Plant: 14.329 House Connection (Max: 25.000 HC)
 We Also planned to increase the service by build one more plant in pleret (Max: 27.000 HC)



Fund Needed for Maintenance and Operation

Juta Rupiah



Tahun

■ TOTAL ■ APBD ■ SHARING

Menjadi Balai
IPAL

Problems, Answer, What Remains?

No	Problems	Innovative Decisions	Optimalizations
1	Intercity Policy	Finished by the signing of MoU between The province, Sleman, Bantul, Yogyakarta and build a joint committee "Kartomantul"	Done
2	Managerial Authority	Optimize the wastewater plant management with the help of Public service body through MSMHP program	Done
3	Wastewater Treatment equipment is getting old	<ul style="list-style-type: none"> Still working on Unit Design Review in Wastewater Treatment Plant using the national budget On progress to get funding for re-Installment of the main equipment from The National Budget/LOAN/GRANT 	On progress Need Funding
4	Presence and the ability of the community in the household connection works	<ul style="list-style-type: none"> We did (Capacity Development) MSMHP We socialize and did the public campaign, on the importance of using SR Public awareness: lack of interest to install a HC Cultural: the community still not realize the dangerous of contamination 	Done Done On progress On progress

No	Problems	Innovative Decisions	Optimalisati on
5	Lab Performance	<ul style="list-style-type: none"> We periodically check the quality control of the inlet and outlet We are still working on improving the lab facilities to achieve better and more efficient result 	Done Need Funding
6	Wastewater Equipment Operation System	<ul style="list-style-type: none"> We are still working to maximize the system performance to produce more efficient works Already signed a Water Operator Partnership with the Watercorp-Australia, Emasesa-Spanyol, IWK-Malaysia 	On Progress Done
7	Funding	<ul style="list-style-type: none"> Operation Cost is tackled by the province budget We are still looking for funding on the facility maintenance (government/ Loan/ Grant) 	Done On Progress



No	Problems	Inovative Solutions	Optimalisas i
8	Influent content	<ul style="list-style-type: none"> The sewerage waste or solid waste, increase the workload of the equipment in the wastewater plant, so we decide to optimize the wastewater treatment using SAP Huber-German (2013) 	On Progress
9	Regulations	<ul style="list-style-type: none"> There is still NO law product relating to wastewater management 	On progress
10	Developing Facility	<ul style="list-style-type: none"> The government still working to build one more Wastewater Plant to cover East part of Yogyakarta. It will be realized with “Wastewater Management and Treatment Plant” 	Not yet



Conclusion

- As one of the city that has a mission to be a clean healthy city, Jogja is on its way to create good sanitation service
- Increase the capacity by building The new Sanitation Plant in Pleret \$ 130,000,000.
- Re-installment of the old facilities needs \$20.000.000 Labs Optimizations, Human Resources Optimizations, Sanitation facilities Optimizations (17 years old).
- Community involvements: The community ISN'T AWARE yet about the importance of Sanitation





Thank you for your attention

Ir. Bambang Sugiharto, M.T.

Facebook: Bambang Sugiharto

E-mail : Sugiharto_tjokro@yahoo.co.id