Development of sewage and water treatment system using membrane

Kim, Hyoung-Gun 김형건
Infra Division, POSCO E&C
Ph.D., Seoul National University
khgun@poscoenc.com

Descriptions of Research and Business Topics

- Development of MBR(Membrane Bio Reactor) system
- Development of hybrid membrane filtration system using ceramic membrane
- Using MBR, application of wastewater treatment plant
- Sewage reusing technology using membrane
- Applied to seawater desalination project using UF + RO membrane

Applications

- Sewage treatment : Gongchon sewage treatment plant(65,000m^3/day)
- Water treatment : Gosan water treatment plant(Test- Bed)
- Desalination : Gwangyang seawater desalination plant(30,000m^3/day)

Research and Business Fields : Sewage treatment, Water treatment, Desalination
Keywords : MBR, Membranes, Reuse, Seawater desalination