

Let's Stop Sinking

Effective Management of Peatlands & Gaining Trust

Allyn Zackarias, Almutamed Alsawafi, Arsenio Mate and Aslıhan Ural





- Implementing and managing pressure drains efficiently at large scales
- Finding alternative methods to reduce land subsidence



PMCS

Solution: Peat Monitoring and Control System (PMCS)



PMCS Program Dashboard



Benefits of PMCS Program:

- Remote control of groundwater levels
- Data collection and storage to discover the trends
- Reducing the peatland subsidence rate and CO₂ emissions
- A future income source

Boersma, C., 2015. Land subsidence in peat areas, The Hague: Deltares.

Erkens, G., Meulen, M. J. v. d. & Middelkoop, H., 2016. Double trouble: subsidence and CO₂ respiration due to 1,000 years. *Hydrogeology J*, Volume 24, p. 551–568.

