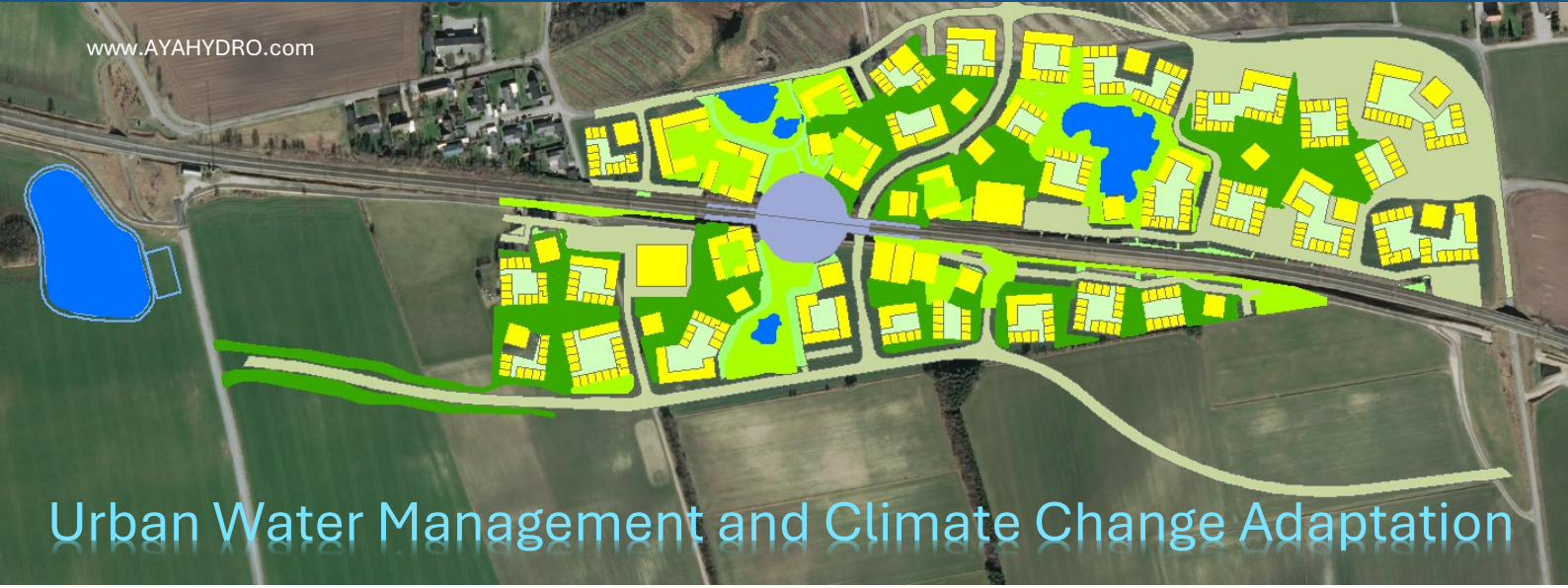


www.AYAHYDRO.com



Urban Water Management and Climate Change Adaptation

With over 35 years of expertise in Urban Water Engineering and Strategies, AYA HYDRO brings robust interdisciplinary skills set to the table. Our track record demonstrates a consistent ability to deliver projects of exceptional quality while adhering to cost-effective measures, meeting and exceeding client expectations

AYA HYDRO specializes in providing consultancy and advisory services in water planning, design, investigation, hydraulic modelling, climate change adaptation, and asset management. Our approach incorporates innovative concepts and applications of water management, ensuring high-quality deliverables for our clients.

With extensive experience in Scandinavia, mainly in Denmark and Sweden, AYA HYDRO offers cutting-edge specialized expertise. Our consultancy covers technical, socioeconomic, and sustainable aspects of water planning and strategies at local, regional and national levels.:

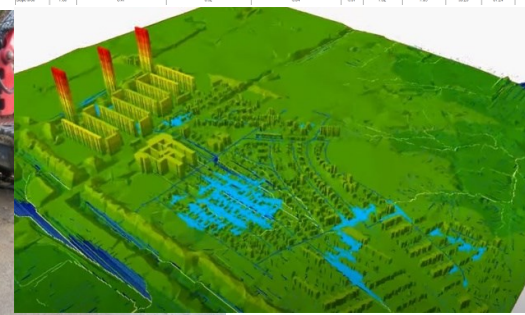
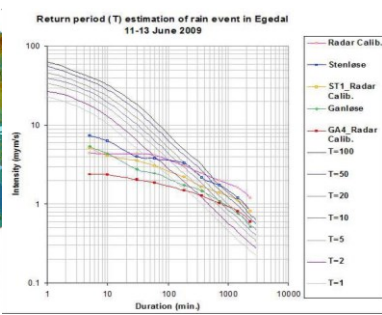
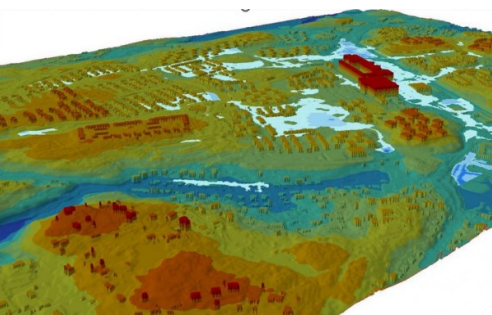
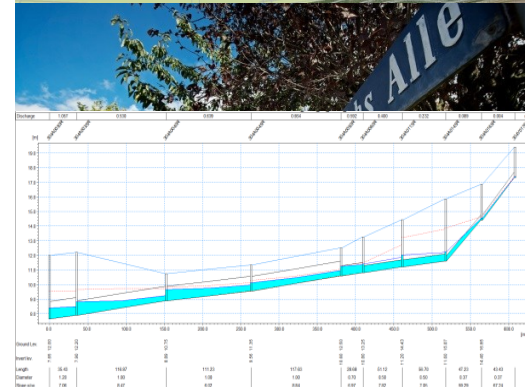
- Flood risk analysis and modelling of 1D-, 2D-, 1D-2D and 1D-1D models.
- Water, wastewater and urban water planning and investigation.
- Hydrological and hydraulic modelling and analysis.
- Wastewater, rainwater, cloudburst investigation and modelling with rain data analysis.
- Surface water, river and coast investigation and modelling.
- Climate change adaptation plans and strategies.
- Sustainable Urban Drainage System design, optimization and analysis of pipes, LID, pumpstations, channels, drainage tunnels, wastewater and storm water basins within, urban and rural areas together with highways, railways, coasts and shores.
- Bidding and project management.
- Advanced GIS analysis and solutions.
- Cost-benefit analysis and business case-studies.
- Quality assurance and supervision.
- Asset management.

AYA HYDRO maintains collaborations with other consulting firms, expanding our capabilities to undertake projects encompassing various aspects of water planning and design. This includes project planning, pipeline coordination, road and highway engineering, geotechnical engineering, land survey, technical design of infrastructure, buildings and constructions. By leveraging these partnerships, we extend our service offerings, providing comprehensive solutions to meet our customers' diverse needs consistently.

Contact

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Sabah Al-Shididi, 36-year experience, project & economy management, customer relations, strategic urban water planning and solutions, climate change adaptation strategies and analysis, hydrology & hydraulic modelling, cloud burst modelling and analysis, flood risk assessment and modelling, drainage systems and river systems modelling, design optimization and analysis, cost-benefit analysis and feasibility studies, rainfall data analysis, asset management, water structures, pumpstations and basins design and analysis, bidding and tendering, advanced GIS analysis, Peer reviewer at IWA, "Water Science and Technology", "Water Practice and Technology" and "Open Water Journal".

More on [English CV \(shididi.net\)](#), [Projects \(shididi.net\)](#), [Courses \(shididi.net\)](#)

IT skills

- MIKE+ (All modules), MIKE URBAN, MOUSE, MIKE FLOOD, MIKE21, MIKE11/Hydro, MIKE11GIS, EPANET, Gandalf, SAMBA and MIKE VIEW of [The Danish Hydraulic Institute \(DHI\)](#).
- Scalgo Live of [Scalgo](#)
- StormTac, Rain water retention solutions and water quality conceptual model by [stormtac.com](#)
- InfoWorks of [Wallingford Software](#)
- Storm Water Management Model (SWMM) of [The United States Environmental Protection Agency](#)
- HECRAS of [The US Army Corps Engineers](#)
- Advanced ArcGIS Pro of [ESRI](#)
- MapInfo, MapBasic of [Pitney Bowes](#)
- QGIS of [QGIS](#)
- Microstation (CAD based GIS system) of [Bentley](#)
- Microsoft Project, Gantt Project
- DANDAS Graf (GIS Microstation-Bentleys based database to plot, register and design sewer system).



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