



## **The Water and Wastewater Mixing Programme (WWM) delivers unique, efficient and focused research.**

BHR Group believe that working in partnership with our clients is key to ensuring a thorough understanding of their requirements and what is driving change within their industries.

Listening to the needs of the water company members of our FMP (Fluid Mixing Processes) consortium, we understood that there was a need for focused research, and the development of practical solutions, for key issues affecting the Water Industry.

BHR Group's WWM (Water and Wastewater Mixing) programme is run to address this need.

WWM is a collaborative research programme, supported and steered by its members who not only include water companies, but also a number of high profile international consultants, contractors and equipment suppliers.

The WWM programme is conducted as a series of 2-year phases with members signing-up to each phase and receiving a defined 2-year work programme and deliverables in return.

Now in Phase 7, WWM has generated in excess of £2.5M of funding resulting in over 40 man years of focused research work and produced a range of innovative and practical deliverables.

The programme provides design guides, software tools and research reports to enable members to achieve improved design, better process performance and control as well as operational cost savings through reduced power and chemical consumption.

Examples of deliverables include:

- Pipe & Channel Mixing and Dosing design guide.
- Sludge Tank and Digester Mixing design guide and software tool.
- Anoxic Zone Mixing design guide
- Sludge Rheology Database
- Sludge System Losses software tool.
- Chemical Dose Optimisation Toolkit.





In addition to this is the provision of wider opportunities for research, testing and partnership with other like-minded members which would not normally be available.

As the development of the WWM deliverables has been driven to address real problems affecting the industry, their benefits are consistent across the work packages, mirroring the requirements of the members and thus directly aligned with predominant water industry commercial and technical drivers.

Driven exclusively by the requirements of the members, the deliverables produced are tailored to provide robust yet practical solutions to specific problems, evolving to take advantage of new technologies and transmission media including:

- Video conferencing.
- Software based design guides
- Web based applications and databases

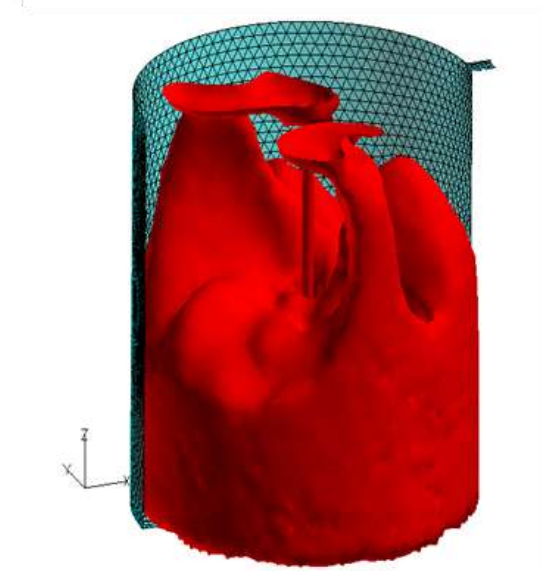
A key factor in the success of WWM is the clear and accurate dissemination of information to relevant personnel within members' organisations.

This is achieved through a range of mediums tailored to suit the audience and subject matter involved e.g.

- Seminars
- Specialist training courses
- Best practice guides.
- Engineering workshops
- Web based tools and conferences.

To facilitate the transfer of knowledge BHR Group has a dedicated team with access to the latest technology and many years of experience in organising internationally respected technical conferences.

Dissemination of WWM research through seminars, training courses and workshops is country specific, with no language barriers and can be tailored to individual members' requirements, with practical hands on tuition and support from world leading experts.



Contact us for more information or visit our website [www.bhrgroup.com](http://www.bhrgroup.com)

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Global Experts in Fluid Engineering