Research Projects

We consider it one of our important obligations to be active in Research & Development, in close cooperation with our partners, such as the German Federal Ministry for Research & Development, German Water Association as well as renowned Technical Universities and Research Institutes.

Our focus in Research & Development is on the different technologies for water re-use, such as co-fermentation, anaerobic and membrane technologies as well as the further development of our Turbo-LME.

Main objective is to improve global water supply, above all for the less-developed countries having a high demand for water resources.

Passavant E&E research projects:

NAME	PERIOD	MAIN PARTNER	SUBJECT
Solution for semi-central supply and removal system of urban areas using the example of Hanoi, Vietnam	2008 - 2011	Technical University of Darmstadt	CO-fermentation, Bio-waste + excess sludge + septic sludge
Integrated water-resource-management in Central Asia: model region Mongolia (MoMo) – Phase II	2010 - 2013	Bauhaus University Weimar	CO-fermentation, Service interruption under very low environmental temperature, as well as the behavior during the resumption
Integrated water-resource-management in Isfahan, Iran	2010 - 2013	GWP, p2m Berlin, inter 3, ISÖI, BMBF	Wastewater treatment with use of special membrane (MBR-Technology) for Isfahan
AKIZ, Vietnam	2011 - 2014	Federal Ministry of Education + Research, BMBF	Anaerobic industrial wastewater treatment, biogas usage
UF Pilot Plant	2009 - ongoing	inhouse	Ultrafiltration of treated sewage effluent (TSE)
Turbo-MPE-Pilot Plant	2008 - ongoing	inhouse	Further development of our Turbo-LME-Technology integrating membrane filtration