

Title: **Minimize of Gas Loss during Condensate Drains**

Field: Environmental Conservations

Authors: Thomas HEUMESSER, Ernst HUTTAR, Rainer SCHEIFINGER
LMF AG, Austria

In the last years LMF has realized a lot of innovations with the goal to save the environment in very different ways. In the field of tailor-made compressors, solutions to reduce the CO₂ pollution by recompressing flare gas are successfully installed in plants as well as on offshore platforms. Other LMF solutions to reduce the power consumption of compressors while operating under different load conditions have the approval of a wide population of compressor users.

In this lecture an alternative method will be presented, where the blow out time for condensate from separators is optimized in a way that the time when the flow of condensate ends followed by a gas stream. This right moment is detected and the condensate valves are closed. This easy solution can be used in all cases, for all pressures and even in applications where usually automatically, very sophisticated condensate drainers with level transmitters are not applicable.