



VAM to Thermal Energy

A VOCSIDIZER installation efficiently and safely converts the energy content of VAM (Ventilation Air Methane) into heating energy in the form of e.g. hot water or steam that can be used for heating or industrial purposes - or as driving energy to generate cold water or electricity.

TECHNOLOGY PROVEN

- at 4 coal mine sites in UK, USA and Australia



1994

The VOCSIDIZER technology was first demonstrated to efficiently abate VAM at the Thoresby Coal mine of British Coal in 1994.



2007

In the USA, a VOCSIDIZER has been commissioned in summer 2007 for abatement of VAM simulated by injecting mine gas from the abandoned Windsor Mine of CONSOL Energy. Project supported by US EPA and by US DOE.



2001 - 2002

In Australia 2001 – 2002, VAM heat recovery with VOCSIDIZER was demonstrated by boiling water during 12 months at the Appin Colliery of BHP. Project supported by AGO (Australian Greenhouse Office). Received in 2005 ACARP Award for Best Greenhouse Gas Project.



2007

VAM Power Plant WestVAMP is located at the West Cliff Colliery of BHP Billiton in Australia. It processes 1/5 of available ventilation air and a methane concentration of 0.9 %. The energy recovered is utilized to generate superheated steam driving a 6 MWe steam turbine.



MEGTEC

www.meatec.com