

Fuel ~99 % air  
燃料~99%的空气



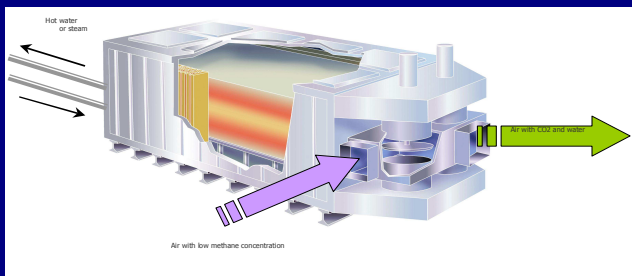
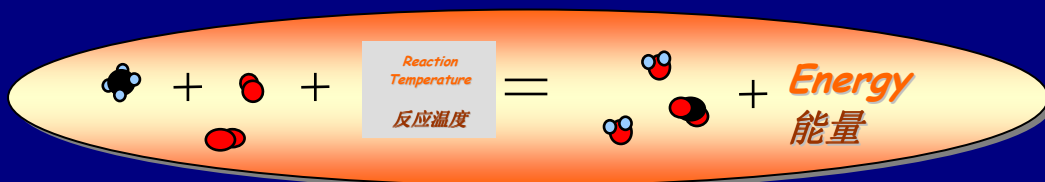
Officially opened on 14 September 2007.

WestVAMP in Australia is in full operation as the world's first

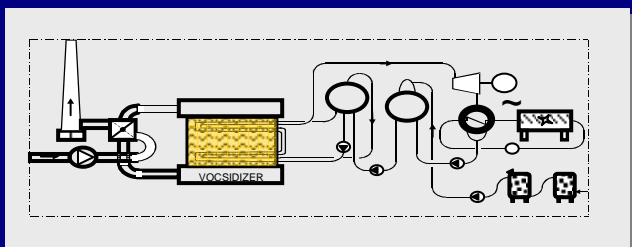
澳大利亚的WESTVAMP乏风发电站于2007年9月14号开始正式运转，这也是全世界第一个满负荷运转的乏风发电站

# VAM Power Plant

## 乏风发电站



In the patented MEGTEC process, the VOCSIDIZER is integrated into the Power Plant Steam Cycle, enabling the plant to utilize the extremely dilute VAM (ventilation air methane) as fuel for producing high quality steam suitable for operating a conventional steam turbine.



在MEGTEC专有的程序中，将VOCSIDIZER结合于电站的蒸汽循环中，使电站可以运用非常稀释的瓦斯作为燃料来提供高质量蒸汽，并使之运行传统的蒸汽轮机。



www.meatec.com



As a preparation, VOCSIDIZER heat recovery was demonstrated at the Appin Colliery of BHP Australia, where a small scale VOCSIDIZER was abating VAM (Ventilation Air Methane) during 12 months and utilizing the energy recovered to boil water.

作为准备，VOCSIDIZER先在澳大利亚必和必拓公司的Appin煤矿安装了一个示范项目，在那里一个小型的VOCSIDIZER对通风瓦斯（乏风）进行了12个月的减排，并利用回收的能量加热水

VAM Power Plant WestVAMP is located at the West Cliff Colliery of BHP Billiton in Australia. It processes 250 000 m<sup>3</sup>/h (150 000 scfm) of ventilation air with a methane concentration of 0.9 %. The ventilation air handled represents approx 20% of the full volume available from the shaft. The energy recovered is utilized to generate superheated steam driving a 6 MWe steam turbine.



澳大利亚的WEST瓦斯电站位于必和必拓公司的Westliff煤矿。这个煤矿会以250000m<sup>3</sup>/h的流量排出含有甲烷浓度为.9%的通风瓦斯/乏风。这些通风瓦斯/乏风约占矿井中总乏风量的20%。回收的能量用于产生过热蒸汽并运行一台6MW蒸汽轮机。



In September 2007, WestVAMP received the Excellence in Energy Award 2007 for "Energy and the Environment" by the Australian Institute of Energy.

在2007年九月，WEST瓦斯电站获得了澳大利亚能源协会颁发的2007年“能源与环境”的能源优秀奖。