Energy Management & Optimization Using Visual MESA

Customers that Operates Power/Steam Cogeneration Systems with References
Updated September 10, 2014

Industrial facilities where power and steam is produced (i.e., Cogeneration) exhibit a very good potential for real time monitoring and optimization using Visual MESA Energy Management System.

Based on our extensive experience, overall benefit in the range of 2% to 5% of the total energy cost can be achieved. Expected project payback is always less than one year.

Visual MESA was successfully applied to many industrial facilities worldwide, several of them operating steam and power generation networks of different complexity and capacity but all with energy cost savings.

Several published references reported Visual MESA application success:

**Thermal Energy Company (TECO), Houston, TX USA (District Heating and Cooling)**


**REPSOL Química Tarragona, Spain (Petrochemical)**

   **Presentation video**, Daniel Alonso (REPSOL Química Tarragona) and Diego Ruiz (Soteica Visual MESA)

**CEPSA Química San Roque, Spain (Chemical)**
Note: International Petroleum Investment Company (IPC) owns 100% of CEPSA since August 2011


**SARAS SpA, Italy (IGCC and Refinery)**
BP Lingen, Germany (Refinery)

Raffineria de Milazzo, Italy (Refinery)

LOTOS Gdansk, Poland (Refinery)

Air Liquide, Bayport Plant, TX, USA (Air Plant and Cogeneration)

Usacucar, Brazil (Sugar and Alcohol)

Exxon Mobil, Baytown Refining/Chemical Complex, TX, USA (Refinery, Petrochemical, Olefins, Cogeneration)

REPSOL Cartagena Refinery, Spain

Air Liquide, Bayport Plant, TX, USA (Air Plant and Cogeneration)

TOTAL Feyzin Refinery, France
REPSOL Puertollano Refinery, Spain

INEOS Chocolate Bayou, TX, USA (Olefins Plant)

REPSOL La Coruña Refinery, Spain

Exxon Mobil, Research & Engineering Center, USA

REPSOL Tarragona Refinery, Spain (Refinery plus Olefins, including Cogeneration)

REPSOL Petronor Refinery, Spain