









# of Sites	Company	Cogen	GHO
4	Chevron Texaco	X	
2	Chevron Phillips	x	
1	BP		
1	Eastman	X	
4	Shell/Equilon/Motiva		
1	Air Liquide	X	
2	ConocoPhillips	X	X
11	Large Refiner	X	
1	Rohm & Haas		Х
1	Cytec		
1	Irving Oil		
1	INEOS		
2	Sunoco	Х	X
7	Repsol YPF	Х	X
1	Total	X	Х
1	Interquisa	X	Х
1	ENAP		X
1	Lotos	X	Х
In Development	Thermal Energy Corporation	Х	Х











RTEMOS based KPIs Calculation Procedure RTEMOS runs every 15 minutes taking and Visual validating real time data from Plant **MESA** Historian: InSQL, IP21, PI, PHD, etc. RTEMOS simulates and finds the optimum cost for the whole site, as well as calculates Plant the KPIs. Historian Server It then writes back the optimum values, **RTDB** KPIs, etc. to Plant Historian, from where they can be retrieved using an Excel spreadsheet, Client tools of Process Excel, Plant Historian, etc. Historian **Client Tools** VISUAL MESA Soteica





Visual MESA as Energy Watchdog: Example from Industrial Gas

Sustained benefit for Air Liquide with renewed focus on energy

























